

# **Polyspace Bug Finder**

**Detailed Report for Project: wm8978**

**Report Author: LibDriver**

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by Report Author: LibDriver

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Analysis Author(s): LibDriver

Polyspace Version(s): Polyspace Bug Finder 3.2 (R2020a)

Project Version(s): 1.0

Result Folder(s):

E:\Polyspace\wm8978\Module\BF\_Result

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# Chapter 1. Polyspace Bug Finder Summary

**Table 1.1. Project Summary**

	Count	Reviewed	Unreviewed	Pass/Fail
MISRA C:2012 Guidelines	1824	1824	0	Pass
Defects	0	0	0	Pass
<b>Total</b>	<b>1824</b>	<b>1824</b>	<b>0</b>	<b>Pass</b>

**Table 1.2. Summary By File**

File	Defects (Reviewed)	MISRA C:2012 Guidelines (Reviewed)
E:\Github\wm8978\example\driver_wm8978_basic.c	0 (0)	266 (266)
E:\Github\wm8978\example\driver_wm8978_basic.h	0 (0)	4 (4)
E:\Github\wm8978\interface\driver_wm8978_interface.h	0 (0)	0 (0)
E:\Github\wm8978\interface\driver_wm8978_interface_template.c	0 (0)	0 (0)
E:\Github\wm8978\src\driver_wm8978.c	0 (0)	1511 (1511)
E:\Github\wm8978\src\driver_wm8978.h	0 (0)	43 (43)

# Chapter 2. MISRA C:2012 Guidelines

## MISRA C:2012 Guidelines Summary - Violations by File

File	Total
E:\Github\wm8978\example\driver_wm8978_basic.c	266
E:\Github\wm8978\example\driver_wm8978_basic.h	4
E:\Github\wm8978\src\driver_wm8978.c	1511
E:\Github\wm8978\src\driver_wm8978.h	43
<b>Total</b>	<b>1824</b>

## MISRA C:2012 Guidelines Violations

Table 2.1. E:\Github\wm8978\example\driver\_wm8978\_basic.c

ID	Guideline	Message	Function	Severity	Status	Comment
1707	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1675	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1598	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1744	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1474	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1464	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1587	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1593	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.

1500	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1531	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1572	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1656	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1760	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1681	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1529	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1574	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1679	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1537	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1565	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1628	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1579	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1611	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1775	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1617	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1486	2.2	There shall be no dead code.	File Scope	Low	Justified	print function.

		The call to function wm8978_interface_debug_print has no effect.				
1759	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1613	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1609	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1483	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1523	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1648	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1469	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1620	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1632	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1527	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1703	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1446	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1741	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1630	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1756	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1719	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.

1501	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1595	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1618	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1536	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1605	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1456	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1735	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1636	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1652	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1430	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1623	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1686	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1644	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1569	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1439	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1716	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1585	2.2	There shall be no dead code.	File Scope	Low	Justified	print function.

		The call to function wm8978_interface_debug_print has no effect.				
1653	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1645	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1725	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1767	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1773	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1604	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1497	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1582	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1518	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1535	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1452	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1561	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1580	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1600	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1560	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1491	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.

1485	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1610	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1691	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1558	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1629	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1453	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1583	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1553	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1730	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1584	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1589	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1505	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1545	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1522	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1660	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1670	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1590	2.2	There shall be no dead code.	File Scope	Low	Justified	print function.

		The call to function wm8978_interface_debug_print has no effect.				
1549	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1615	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1591	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1594	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1504	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1544	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1720	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1597	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1576	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1429	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1460	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1577	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1559	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1455	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1614	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1633	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.



		The call to function wm8978_interface_debug_print has no effect.				
1571	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1702	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1738	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1692	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1525	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1599	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1723	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1588	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1567	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1722	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1634	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1570	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1708	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1747	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1524	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1711	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.



		The call to function wm8978_interface_debug_print has no effect.				
1641	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1507	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1534	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1712	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1503	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1651	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1573	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1671	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1550	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1470	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1646	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1479	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1435	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1539	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1668	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1475	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.

1635	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1433	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1496	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1512	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1742	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1468	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1746	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1699	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1510	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1494	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1454	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1451	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1498	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1450	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1493	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1581	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1447	2.2	There shall be no dead code.	File Scope	Low	Justified	print function.

		The call to function wm8978_interface_debug_print has no effect.				
1490	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1449	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1586	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1666	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1612	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1444	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1489	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1657	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1601	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1533	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1458	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1677	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1463	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1487	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1654	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1548	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.



		The call to function wm8978_interface_debug_print has no effect.				
1502	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1556	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1520	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1476	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1473	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1478	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1678	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1466	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1748	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1480	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1432	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1649	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1638	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1461	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1763	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1521	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.

1680	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1621	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1726	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1603	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1437	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1596	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1552	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1642	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1445	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1431	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1608	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1772	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1495	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1602	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1441	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1640	2.2	There shall be no dead code. The call to function <code>wm8978_interface_debug_print</code> has no effect.	File Scope	Low	Justified	print function.
1448	2.2	There shall be no dead code.	File Scope	Low	Justified	print function.

		The call to function wm8978_interface_debug_print has no effect.				
1436	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1499	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1762	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1562	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1434	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1508	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1532	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1428	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1639	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.
1627	2.2	There shall be no dead code. The call to function wm8978_interface_debug_print has no effect.	File Scope	Low	Justified	print function.

Table 2.2. E:\Github\wm8978\example\driver\_wm8978\_basic.h

ID	Guideline	Message	Function	Severity	Status	Comment
1	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (floating)	File Scope	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
2	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (floating)	File Scope	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
3	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.	File Scope	Low	Justified	Embedded drivers need this method to set or clear some

		The expression (of essential type category signed) is assigned to an object with a different essential type category (floating)				bits and drivers guarantee the safety of the operation.
4	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (floating)	File Scope	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

Table 2.3. E:\Github\wm8978\src\driver\_wm8978.c

ID	Guideline	Message	Function	Severity	Status	Comment
15	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	File Scope	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
127 7	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type unsigned on 16 bits) is assigned to an object with a narrower essential type (unsigned on 8 bits)	a_wm8978_iic_write()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
668	10.1	Operands shall not be of an inappropriate essential type. The right operand of the & operator is of an inappropriate essential type category signed.	a_wm8978_iic_write()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
227	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The right operand of the   operator shall not have wider essential type (unsigned on 16 bits) than the left operand (unsigned on 8 bits) which is a composite expression	a_wm8978_iic_write()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
19	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the & operator is of an inappropriate essential type category signed.	a_wm8978_iic_write()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
182 3	D4.14	The validity of values received from external sources shall be checked. Array index is from an unsecure source. Index may be negative or too big.	a_wm8978_iic_write()		Low	Justified	(handle == NULL)checked.
177 9	D4.14	The validity of values received from external sources shall be checked. Dereferenced pointer is from an unsecure source. Pointer may be NULL or may point to unknown memory.	wm8978_soft_reset()		Low	Justified	(handle == NULL)checked.
28	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_dc_buffer()		Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
29	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_dc_buffer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
488	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_dc_buffer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
8	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_dc_buffer()		Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.
111	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_dc_buffer()		Low	Justified	Embedded

9		The left operand of the << operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
33	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_dc_buffer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
41	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_dc_buffer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
42	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_dc_buffer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
26	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_dc_buffer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
37	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_out4_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
50	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out4_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
374	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_out4_mixer()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
870	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_out4_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
53	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out4_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
105	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_out4_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
765	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_out4_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
51	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_out4_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
63	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out3_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
137 8	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_out3_mixer()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
130 2	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_out3_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
139	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_out3_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
34	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_out3_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

43	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_out3_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
131 7	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out3_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
108 5	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_out3_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
85	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_pll()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
97	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_pll()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
82	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_pll()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
576	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_pll()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
86	10.3	The value of an expression shall not be assigned to an object with a	wm8978_set_pll()		Low	Justified	Embedded

		narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
202	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_pll()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
140 8	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_pll()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
99	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_pll()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
116	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_microphone_bias()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
979	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_microphone_bias()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
620	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_microphone_bias()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
108	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_microphone_bias()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
46	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_microphone_bias()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
122	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_microphone_bias()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
128	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_microphone_bias()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
792	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_microphone_bias()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
501	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_analogue_amplifier_bias()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
139 0	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_analogue_amplifier_bias()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
969	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_analogue_amplifier_bias()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
129	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_analogue_amplifier_bias()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
148	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_analogue_amplifier_bias()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
867	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_analogue_amplifier_bias()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

115	10.1 6	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_analogue_amplifier_bias()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
146	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_analogue_amplifier_bias()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
76	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_unused_input_output_tie_off_buffer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
617	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_unused_input_output_tie_off_buffer()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
268	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_unused_input_output_tie_off_buffer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
31	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_unused_input_output_tie_off_buffer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
54	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_unused_input_output_tie_off_buffer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
272	10.4	Both operands of an operator in which the usual arithmetic conversions	wm8978_set_unused_input_output_tie_off_buffer()	Low	Justified	Embedded	

		are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
834	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_unused_input_output_tie_off_buffer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
12	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_unused_input_output_tie_off_buffer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
24	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_reference_impedance()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
140 1	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_reference_impedance()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
219	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_reference_impedance()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
80	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_reference_impedance()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
127	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while	wm8978_set_reference_impedance()		Low	Justified	Embedded drivers need this method

		the right operand has essentially enum type.				to set or clear some bits and drivers guarantee the safety of the operation.
161	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_reference_impedance()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
404	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_reference_impedance()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
79	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_reference_impedance()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
167	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_out1()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
498	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_out1()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
164	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_out1()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
163	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_out1()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
142 4	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_right_out1()		Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.
174	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_out1()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
289	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_out1()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

103 2	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_out1()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
424	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_out1()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
627	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_out1()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
901	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_out1()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
596	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_out1()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
23	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_out1()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
73	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_out1()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
180	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_left_out1()		Low	Justified	Embedded

		The right operand of the  = operator is of an inappropriate essential type category enum.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
247	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_out1()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
89	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_out1()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
181	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_sleep()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
190	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_sleep()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
74	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_sleep()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
142	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_sleep()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
68	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an	wm8978_set_sleep()		Low	Justified	Embedded drivers need this method

		object with a different essential type category (unsigned)				to set or clear some bits and drivers guarantee the safety of the operation.
110	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_sleep()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
118 4	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_sleep()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
193	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_sleep()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
44	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_channel_input_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
197	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
195	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
347	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_boost()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
203	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_input_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
205	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_channel_input_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
206	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_channel_input_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

439	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_input_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
213	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_input_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
368	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
362	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
208	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
71	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_input_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
131	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_input_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
561	10.4	Both operands of an operator in which the usual arithmetic conversions	wm8978_set_left_channel_input_boost()		Low	Justified	Embedded

		are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
214	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_input_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
163 7	5.1	External identifiers shall be distinct. External function wm8978_set_right_channel_input_pga conflicts with the external identifier wm8978_set_right_channel_input_boost (driver_wm8978.c line 721).	File Scope	Low	Justified	Distinct.
155	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_channel_input_pga()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
942	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_pga()	Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
192	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_pga()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
131 6	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_pga()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
113	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_channel_input_pga()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
145	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_input_pga()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
187	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_channel_input_pga()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
215	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_input_pga()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
840	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
132 9	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_input_pga()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
217	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
171	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

225	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_input_pga()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
844	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_input_pga()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
934	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_channel_input_pga()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
118 9	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_input_pga()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
234	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_channel_adc()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
107 7	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_adc()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
120	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_adc()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
656	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_right_channel_adc()		Low	Justified	Embedded

		The left operand of the << operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
241	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_adc()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
243	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_channel_adc()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
129 3	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_channel_adc()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
236	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_adc()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
253	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_adc()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
885	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_adc()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
248	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_adc()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
853	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_adc()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
110 5	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_adc()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
111 5	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_adc()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
141 6	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_channel_adc()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
124 1	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_adc()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
833	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out4()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
118 6	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_out4()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
848	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
7	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_out4()	Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.	
485	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

144	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
262	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
112 5	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
462	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
499	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_out3()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
799	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out3()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
108 8	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_out3()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
185	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_out3()		Low	Justified	Embedded

		The left operand of the << operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
39	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
786	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
108 1	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
55	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_out3()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
102 6	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_out2()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
119 3	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_out2()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
475	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_out2()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
772	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_out2()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
154	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_out2()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
261	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_out2()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
271	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_out2()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
609	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_out2()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
279	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_out2()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
676	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_out2()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
449	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_out2()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
923	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_out2()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
281	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_out2()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

691	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_out2()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
126 0	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_out2()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
280	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_out2()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
655	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
946	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_output_channel_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
61	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_output_channel_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
474	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_output_channel_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
87	10.4	Both operands of an operator in which the usual arithmetic conversions	wm8978_set_right_output_channel_mixer()		Low	Justified	Embedded

		are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
211	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
753	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
265	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
647	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
107 5	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
139 5	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
972	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_output_channel_mixer()	Low	Justified	Embedded drivers need this method	

							to set or clear some bits and drivers guarantee the safety of the operation.
284	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
459	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
112 3	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
905	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_output_channel_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
204	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_dac()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
287	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_channel_dac()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
119 8	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_dac()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
697	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_dac()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
58	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_channel_dac()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
836	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_dac()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

953	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_channel_dac()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
104 0	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_dac()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
356	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_dac()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
109 1	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_dac()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
229	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_dac()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
114 0	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_dac()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
32	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_dac()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
218	10.4	Both operands of an operator in which the usual arithmetic conversions	wm8978_set_left_channel_dac()		Low	Justified	Embedded

		are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
113 4	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_dac()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
293	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_dac()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
178	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_bclk_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
955	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_bclk_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
132 3	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_bclk_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
106 8	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_bclk_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
121 9	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_bclk_polarity()		Low	Justified	We use this function to convert

						driver settings. Developers need to refer to the data manual to convert settings.
263	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_bclk_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
304	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_bclk_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
100 6	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_bclk_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
65	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_bclk_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
48	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_irclk_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
140 4	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_irclk_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
134 4	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_irclk_polarity()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
13	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_irclk_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
310	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_irclk_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
816	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_irclk_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

866	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_irclk_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
112 6	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_irclk_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
118	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_word_length()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
315	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_word_length()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
117 6	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_word_length()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
313	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_word_length()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
223	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_word_length()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
317	10.4	Both operands of an operator in which the usual arithmetic conversions	wm8978_set_word_length()		Low	Justified	Embedded

		are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
127 1	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_word_length()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
316	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_word_length()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
322	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_data_format()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
478	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_data_format()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
285	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_data_format()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
114 2	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_data_format()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
264	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_data_format()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
292	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_data_format()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
422	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_data_format()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
22	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_data_format()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
69	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_dac_appear()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
115 4	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_dac_appear()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
436	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_dac_appear()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
111 2	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_dac_appear()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
222	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_dac_appear()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
413	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_dac_appear()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
122 8	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_dac_appear()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

323	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_dac_appear()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
331	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_adc_appear()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
427	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_adc_appear()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
94	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_adc_appear()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
960	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_adc_appear()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
318	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_adc_appear()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
534	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_adc_appear()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
130	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_adc_appear()		Low	Justified	Embedded

3		The right operand of the  = operator is of an inappropriate essential type category enum.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
135 9	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_adc_appear()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
92	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_channel()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
775	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_channel()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
339	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_channel()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
127 5	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_channel()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
334	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_channel()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
345	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while	wm8978_set_channel()		Low	Justified	Embedded drivers need this method

		the right operand has essentially enum type.				to set or clear some bits and drivers guarantee the safety of the operation.
732	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_channel()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
343	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_channel()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
240	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_companding_8bit_mode()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
473	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_companding_8bit_mode()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
684	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_companding_8bit_mode()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
349	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_companding_8bit_mode()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
351	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_companding_8bit_mode()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
352	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_companding_8bit_mode()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
806	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_companding_8bit_mode()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
511	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_companding_8bit_mode()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

353	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_dac_companding()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
458	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_dac_companding()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
131 2	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_dac_companding()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
201	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_dac_companding()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
354	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_dac_companding()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
421	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_dac_companding()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
810	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_dac_companding()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
537	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_dac_companding()		Low	Justified	Embedded

		The left operand of the << operator is of an inappropriate essential type category enum.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
308	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_adc_companding()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
104 7	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_adc_companding()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
954	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_adc_companding()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
358	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_adc_companding()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
18	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_adc_companding()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
77	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_adc_companding()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
335	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_adc_companding()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
359	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_adc_companding()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
505	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_loopback()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
982	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_loopback()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
277	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_loopback()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
282	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_loopback()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
136	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_loopback()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
363	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_loopback()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
992	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_loopback()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
118 3	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_loopback()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
369	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_clksel()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

116 1	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_clksel()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
305	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_clksel()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
198	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_clksel()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
365	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_clksel()	Low	Justified	We use this function to convert driver settings.  Developers

						need to refer to the data manual to convert settings.
237	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_clksel()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
370	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_clksel()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
372	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_clksel()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
107	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_clksel()	Low	Justified	Embedded

		The left operand of the << operator is of an inappropriate essential type category enum.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
376	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_mclk_div()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
103 3	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_mclk_div()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
744	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_mclk_div()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
133 5	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_mclk_div()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
52	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_mclk_div()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
329	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_mclk_div()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
381	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_mclk_div()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
100 4	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_mclk_div()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
539	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_bclk_div()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
785	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_bclk_div()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
130 5	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_bclk_div()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
525	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_bclk_div()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
393	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_bclk_div()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
394	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_bclk_div()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
741	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_bclk_div()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
330	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_bclk_div()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
397	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_clock_mode()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

664	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_clock_mode()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
395	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_clock_mode()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
442	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_clock_mode()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
186	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_clock_mode()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
379	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_clock_mode()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
101 1	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_clock_mode()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
612	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_clock_mode()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
209	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_approximate_sample_rate()		Low	Justified	Embedded

		The right operand of the &= operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
137 0	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_approximate_sample_rate()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
400	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_approximate_sample_rate()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
207	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_approximate_sample_rate()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
137	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_approximate_sample_rate()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
401	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_approximate_sample_rate()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
528	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_approximate_sample_rate()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
104 2	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_approximate_sample_rate()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
517	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_slow_clock()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
667	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_slow_clock()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
896	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_slow_clock()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
150	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_slow_clock()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
407	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_slow_clock()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
408	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_slow_clock()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
889	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_slow_clock()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
605	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_slow_clock()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
143	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_pll_div()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
177	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_pll_div()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

410	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_pll_div()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
125	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_pll_div()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
20	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_pll_div()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
409	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_pll_div()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
523	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_pll_div()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
926	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_pll_div()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
299	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_gpio1_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
843	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_gpio1_polarity()		Low	Justified	Embedded

		The right operand of the &= operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
383	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_gpio1_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
386	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_gpio1_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
242	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_gpio1_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
418	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_gpio1_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
419	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_gpio1_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
416	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_gpio1_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
420	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_gpio1_select()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
554	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_gpio1_select()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
915	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_gpio1_select()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
388	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_gpio1_select()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
426	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_gpio1_select()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
522	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_gpio1_select()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
137 7	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_gpio1_select()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
581	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_gpio1_select()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
70	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_vmid_1()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
239	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_vmid_1()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
829	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_vmid_1()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

138	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_vmid_1()	Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.
224	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_vmid_1()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
102 0	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_vmid_1()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
110 9	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_vmid_1()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
131 5	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_vmid_1()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
221	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_vmid_1()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
319	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_vmid_0()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
117	10.3	The value of an expression shall not be assigned to an object with a	wm8978_set_vmid_0()		Low	Justified	Embedded

8		narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
965	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_vmid_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
226	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_vmid_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
188	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_vmid_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
238	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_vmid_0()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
126 9	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_vmid_0()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
364	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_vmid_0()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
429	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an	wm8978_set_jack_detection()		Low	Justified	Embedded drivers need this method

		object with a different essential type category (unsigned)				to set or clear some bits and drivers guarantee the safety of the operation.
801	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_jack_detection()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
940	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_jack_detection()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
115	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_jack_detection()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
344	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_jack_detection()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
444	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_jack_detection()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
126 3	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_jack_detection()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
727	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_jack_detection()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
633	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_jack_gpio()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
120 4	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_jack_gpio()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
437	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_jack_gpio()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

434	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_jack_gpio()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
300	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_jack_gpio()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
438	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_jack_gpio()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
452	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_jack_gpio()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
448	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_jack_gpio()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
267	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_soft_mute()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
481	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_soft_mute()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
944	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_soft_mute()		Low	Justified	Embedded

		The operand of the ~ operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
337	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_soft_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
389	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_soft_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
430	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_soft_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
461	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_soft_mute()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
998	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_soft_mute()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
441	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_dac_oversample_rate()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
130 7	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an	wm8978_set_dac_oversample_rate()		Low	Justified	Embedded drivers need this method

		object with a different essential type category (unsigned)				to set or clear some bits and drivers guarantee the safety of the operation.
340	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_dac_oversample_rate()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
1070	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_dac_oversample_rate()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
104	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_dac_oversample_rate()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
466	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_dac_oversample_rate()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
141 3	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_dac_oversample_rate()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
366	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_dac_oversample_rate()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
373	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_amute()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
987	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_amute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
467	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_amute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
671	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_amute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

425	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_amute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
928	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_amute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
109 8	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_amute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
101 0	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_amute()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
472	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_dac_output_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
106 6	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_dac_output_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
471	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_dac_output_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
134	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_right_dac_output_polarity()		Low	Justified	Embedded

		The left operand of the << operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
36	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_dac_output_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
477	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_dac_output_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
743	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_dac_output_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
62	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_dac_output_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
153	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_dac_output_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
113 7	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_output_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
122 5	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_output_polarity()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
480	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_output_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	to set or clear some bits and drivers guarantee the safety of the operation.
132	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_dac_output_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	to set or clear some bits and drivers guarantee the safety of the operation.
486	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_dac_output_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	to set or clear some bits and drivers guarantee the safety of the operation.

							operation.
936	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_dac_output_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
729	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_dac_output_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
384	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_dac_left_volume()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
450	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_dac_left_volume()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
286	10.1	Operands shall not be of an inappropriate essential type. The left operand of the   operator is of an inappropriate essential type category enum.	wm8978_set_dac_left_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
714	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the   operator has essentially enum type while the right operand has essentially unsigned type.	wm8978_set_dac_left_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
104 5	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_dac_right_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

487	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_dac_right_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
324	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the   operator has essentially enum type while the right operand has essentially unsigned type.	wm8978_set_dac_right_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
557	10.1	Operands shall not be of an inappropriate essential type. The left operand of the   operator is of an inappropriate essential type category enum.	wm8978_set_dac_right_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
380	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the != operator has essentially enum type while the right operand has essentially signed type.	wm8978_set_jack_logic_1()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
156	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_jack_logic_1()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
491	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_jack_logic_1()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
120 1	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_jack_logic_1()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
705	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_jack_logic_1()		Low	Justified	Embedded

		The left operand of the << operator is of an inappropriate essential type category enum.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
492	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the &= operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_jack_logic_1()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
495	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_jack_logic_1()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
814	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category enum.	wm8978_set_jack_logic_1()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
182 4	D4.1	Run-time failures shall be minimized. Conversion from int16 to unsigned int16 overflows. Valid range: [0 .. 65535]	wm8978_set_jack_logic_1()	Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.	
482	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category enum.	wm8978_set_jack_logic_1()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
132 6	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_jack_logic_1()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
645	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the != operator has essentially enum type while the	wm8978_set_jack_logic_0()	Low	Justified	Embedded drivers need this method	

		right operand has essentially signed type.				to set or clear some bits and drivers guarantee the safety of the operation.
106	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_jack_logic_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
290	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_jack_logic_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
295	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_jack_logic_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
813	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_jack_logic_0()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
500	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the &= operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_jack_logic_0()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
650	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category enum.	wm8978_set_jack_logic_0()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
894	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_jack_logic_0()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
178 0	D4.1	Run-time failures shall be minimized. Conversion from int16 to unsigned int16 overflows. Valid range: [0 .. 65535]	wm8978_set_jack_logic_0()	Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.	
797	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category enum.	wm8978_set_jack_logic_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
496	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_jack_logic_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

506	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_high_pass_filter()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
580	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_high_pass_filter()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
106 2	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_high_pass_filter()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
75	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_high_pass_filter()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
502	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_high_pass_filter()		Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.
266	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_high_pass_filter()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
110 8	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_high_pass_filter()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
140	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_high_pass_filter()		Low	Justified	Embedded

7		The right operand of the  = operator is of an inappropriate essential type category enum.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
9	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_high_pass_filter()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
508	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_mode()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
115 9	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_mode()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
147	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_mode()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
447	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_mode()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
255	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_mode()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
513	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an	wm8978_set_mode()		Low	Justified	Embedded drivers need this method

		object with a different essential type category (unsigned)				to set or clear some bits and drivers guarantee the safety of the operation.
577	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_mode()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
512	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_mode()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
210	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_high_pass_filter_cut_off()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
298	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_high_pass_filter_cut_off()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
991	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_high_pass_filter_cut_off()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
406	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_high_pass_filter_cut_off()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
212	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_high_pass_filter_cut_off()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
371	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_high_pass_filter_cut_off()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
106 1	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_high_pass_filter_cut_off()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
246	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_high_pass_filter_cut_off()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

455	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_adc_oversample_rate()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
103 6	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_adc_oversample_rate()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
403	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_adc_oversample_rate()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
88	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_adc_oversample_rate()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
604	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_adc_oversample_rate()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
821	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_adc_oversample_rate()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
100 9	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_adc_oversample_rate()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
21	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_adc_oversample_rate()		Low	Justified	Embedded

		The left operand of the << operator is of an inappropriate essential type category enum.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
109	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_adc_right_channel_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
132 5	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_adc_right_channel_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
57	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_adc_right_channel_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
981	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_adc_right_channel_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
95	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_adc_right_channel_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
320	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_adc_right_channel_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
519	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while	wm8978_set_adc_right_channel_polarity()	Low	Justified	Embedded drivers need this method	

		the right operand has essentially enum type.				to set or clear some bits and drivers guarantee the safety of the operation.
124 4	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_adc_right_channel_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
327	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_adc_left_channel_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
101 2	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_adc_left_channel_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
524	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_adc_left_channel_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
230	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_adc_left_channel_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
484	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_adc_left_channel_polarity()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
567	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_adc_left_channel_polarity()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
922	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_adc_left_channel_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
235	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_adc_left_channel_polarity()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
526	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_adc_left_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

574	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_adc_left_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
431	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the   operator has essentially enum type while the right operand has essentially unsigned type.	wm8978_set_adc_left_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
102 3	10.1	Operands shall not be of an inappropriate essential type. The left operand of the   operator is of an inappropriate essential type category enum.	wm8978_set_adc_left_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
535	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_adc_right_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
529	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_adc_right_volume()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
377	10.1	Operands shall not be of an inappropriate essential type. The left operand of the   operator is of an inappropriate essential type category enum.	wm8978_set_adc_right_volume()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
532	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the   operator has essentially enum type while the right operand has essentially unsigned type.	wm8978_set_adc_right_volume()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
601	10.8	The value of a composite expression shall not be cast to a different	wm8978_volume_convert_to_register()		Low	Justifi	We use

		<p>essential type category or a wider essential type.</p> <p>The value of the composite expression of essential type category floating shall not be cast to the different essential type category unsigned.</p>			ed	enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
178 1	D4.14	<p>The validity of values received from external sources shall be checked.</p> <p>Dereferenced pointer is from an unsecure source.</p> <p>Pointer may be NULL or may point to unknown memory.</p>	wm8978_volume_convert_to_data()	Low	Justified	(handle == NULL)checked.
178 2	D4.14	<p>The validity of values received from external sources shall be checked.</p> <p>Dereferenced pointer is from an unsecure source.</p> <p>Pointer may be NULL or may point to unknown memory.</p>	wm8978_volume_convert_to_data()	Low	Justified	(handle == NULL)checked.
67	10.8	<p>The value of a composite expression shall not be cast to a different essential type category or a wider essential type.</p> <p>The value of the composite expression of essential type category unsigned shall not be cast to the different essential type category floating.</p>	wm8978_volume_convert_to_data()	Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
45	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.	wm8978_set_equaliser_apply()	Low	Justified	Embedded drivers need

		The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)				this method to set or clear some bits and drivers guarantee the safety of the operation.
542	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_equaliser_apply()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
536	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_equaliser_apply()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
748	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_equaliser_apply()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

110 6	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_equaliser_apply()	Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.
515	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_equaliser_apply()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
547	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_equaliser_apply()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
553	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_equaliser_apply()	Low	Justified	Embedded drivers need this method to set or

							clear some bits and drivers guarantee the safety of the operation.
543	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_equaliser_apply()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
493	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_eq1_cut_off()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
556	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq1_cut_off()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
555	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_eq1_cut_off()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
136 8	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_eq1_cut_off()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
103	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq1_cut_off()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
559	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_eq1_cut_off()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
690	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_eq1_cut_off()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
121 1	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_eq1_cut_off()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
11	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq1_gain()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

873	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_eq1_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
398	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_eq1_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
724	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_eq1_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
564	10.6	The value of a composite expression shall not be assigned to an object with wider essential type. The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_eq1_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
703	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_eq1_gain()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
541	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq2_bandwidth()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
985	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_eq2_bandwidth()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
503	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_eq2_bandwidth()		Low	Justified	Embedded

		The operand of the ~ operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
520	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_eq2_bandwidth()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
565	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_eq2_bandwidth()	Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.
634	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_eq2_bandwidth()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
920	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_eq2_bandwidth()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
118 2	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq2_bandwidth()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
135 2	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_eq2_bandwidth()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
572	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_eq2_centre_freq()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
575	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq2_centre_freq()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
84	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_eq2_centre_freq()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
451	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_eq2_centre_freq()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
321	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq2_centre_freq()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
582	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_eq2_centre_freq()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
109 0	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_eq2_centre_freq()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
114 6	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_eq2_centre_freq()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
585	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq2_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
129 2	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_eq2_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
584	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_eq2_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

790	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_eq2_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
126	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_eq2_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
586	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_eq2_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
348	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq3_bandwidth()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
134 7	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_eq3_bandwidth()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
72	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_eq3_bandwidth()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
30	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_eq3_bandwidth()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
587	12.2	The right hand operand of a shift operator shall lie in the range zero to	wm8978_set_eq3_bandwidth()		Low	Justified	We use this

		one less than the width in bits of the essential type of the left hand operand.			ed	function to convert driver settings. Developers need to refer to the data manual to convert settings.
168	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq3_bandwidth()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
824	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_eq3_bandwidth()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
109 7	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_eq3_bandwidth()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
678	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_eq3_bandwidth()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
191	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_eq3_centre_freq()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
124 3	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq3_centre_freq()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
199	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_eq3_centre_freq()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
592	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_eq3_centre_freq()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
275	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_eq3_centre_freq()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
809	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq3_centre_freq()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
999	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_eq3_centre_freq()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
636	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_eq3_centre_freq()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
597	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq3_gain()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
100 5	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_eq3_gain()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
476	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_eq3_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
121 8	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_eq3_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
175	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_eq3_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

136 0	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_eq3_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
598	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_eq4_bandwidth()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
599	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq4_bandwidth()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
142 3	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_eq4_bandwidth()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
114	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_eq4_bandwidth()		Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.
781	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_eq4_bandwidth()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
49	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_eq4_bandwidth()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
600	10.3	The value of an expression shall not be assigned to an object with a	wm8978_set_eq4_bandwidth()		Low	Justified	Embedded

		narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
129 9	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_eq4_bandwidth()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
568	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_eq4_bandwidth()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
606	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_eq4_centre_freq()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
109 4	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq4_centre_freq()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
602	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_eq4_centre_freq()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
518	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_eq4_centre_freq()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
17	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_eq4_centre_freq()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
662	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_eq4_centre_freq()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
886	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq4_centre_freq()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
932	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_eq4_centre_freq()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
101	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq4_gain()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
106 5	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_eq4_gain()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
812	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_eq4_gain()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
288	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_eq4_gain()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
640	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_eq4_gain()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
869	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_eq4_gain()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
294	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_eq5_cut_off()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

361	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq5_cut_off()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
233	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_eq5_cut_off()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
608	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_eq5_cut_off()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
610	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_eq5_cut_off()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
611	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_eq5_cut_off()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
763	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_eq5_cut_off()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
134 1	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_eq5_cut_off()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
121	10.3	The value of an expression shall not be assigned to an object with a	wm8978_set_eq5_gain()		Low	Justified	Embedded

		narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
777	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_eq5_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
823	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_eq5_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
614	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_eq5_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
16	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_eq5_gain()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
616	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_eq5_gain()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
767	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category signed shall not be cast to the different essential type category unsigned.	wm8978_eq_gain_convert_to_register()		Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the

178 3	D4.14	The validity of values received from external sources shall be checked. Dereferenced pointer is from an unsecure source. Pointer may be NULL or may point to unknown memory.	wm8978_eq_gain_convert_to_data()	Low	Justified	(handle == NULL)checked.
178 4	D4.14	The validity of values received from external sources shall be checked. Dereferenced pointer is from an unsecure source. Pointer may be NULL or may point to unknown memory.	wm8978_eq_gain_convert_to_data()	Low	Justified	(handle == NULL)checked.
135 4	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category unsigned shall not be cast to the different essential type category signed.	wm8978_eq_gain_convert_to_data()	Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
947	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_dac_digital_limiter()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
101 3	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_dac_digital_limiter()	Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
669	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_dac_digital_limiter()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
453	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_dac_digital_limiter()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
618	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_dac_digital_limiter()	Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.	

994	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_dac_digital_limiter()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
109 6	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_dac_digital_limiter()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
114 5	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_dac_digital_limiter()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
141 7	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_dac_digital_limiter()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
106 7	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_dac_limiter_decay()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
133 7	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_dac_limiter_decay()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
756	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_dac_limiter_decay()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
921	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_dac_limiter_decay()		Low	Justified	Embedded

		The left operand of the << operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
628	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_dac_limiter_decay()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
123 0	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_dac_limiter_decay()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
128 6	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_dac_limiter_decay()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
103 7	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_dac_limiter_decay()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
479	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_dac_limiter_attack()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
924	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_dac_limiter_attack()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
909	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_dac_limiter_attack()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
124 5	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_dac_limiter_attack()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
630	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_dac_limiter_attack()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
803	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_dac_limiter_attack()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
962	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_dac_limiter_attack()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
759	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_dac_limiter_attack()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
392	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_dac_limiter_level()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
468	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_dac_limiter_level()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
864	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_dac_limiter_level()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
751	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_dac_limiter_level()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
382	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_dac_limiter_level()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

635	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_dac_limiter_level()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
103 9	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_dac_limiter_level()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
346	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_dac_limiter_level()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
883	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_dac_limiter_volume_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
121 4	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_dac_limiter_volume_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
807	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_dac_limiter_volume_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
847	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_dac_limiter_volume_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
333	10.7	If a composite expression is used as one operand of an operator in	wm8978_set_dac_limiter_volume_boost()		Low	Justified	Embedded

		<p>which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.</p> <p>The left operand of the <code> =</code> operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression</p>			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
116 6	10.6	<p>The value of a composite expression shall not be assigned to an object with wider essential type.</p> <p>The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)</p>	wm8978_set_dac_limiter_volume_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
607	10.3	<p>The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.</p> <p>The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)</p>	wm8978_set_notch_filter()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
133 3	10.1	<p>Operands shall not be of an inappropriate essential type.</p> <p>The right operand of the <code>&amp;=</code> operator is of an inappropriate essential type category signed.</p>	wm8978_set_notch_filter()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
642	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
135 6	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
251	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_notch_filter()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
621	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an	wm8978_set_notch_filter()		Low	Justified	Embedded drivers need this method

		object with a different essential type category (unsigned)				to set or clear some bits and drivers guarantee the safety of the operation.
648	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_notch_filter()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
646	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_notch_filter()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
652	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a0_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
657	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_notch_filter_a0_coefficient_bit_13_7()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
66	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a0_coefficient_bit_13_7()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
521	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_notch_filter_a0_coefficient_bit_13_7()		Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.
649	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a0_coefficient_bit_13_7()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
695	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_notch_filter_a0_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
913	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_notch_filter_a0_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
938	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_notch_filter_a0_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

98	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_notch_filter_a0_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
562	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a0_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
907	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_notch_filter_a0_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
119	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a0_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
116 8	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a0_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
658	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_notch_filter_a0_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
117 5	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_notch_filter_a0_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
172	5.1	External identifiers shall be distinct.	File Scope	Low	Justified	Distinct.	

1		External function <code>wm8978_set_notch_filter_a0_coefficient_bit_6_0</code> conflicts with the external identifier <code>wm8978_set_notch_filter_a0_coefficient_bit_13_7</code> (driver_wm8978.c line 4234).			ed	
665	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	<code>wm8978_set_notch_filter_a0_coefficient_bit_6_0()</code>	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
121 5	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	<code>wm8978_set_notch_filter_a0_coefficient_bit_6_0()</code>	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
661	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	<code>wm8978_set_notch_filter_a0_coefficient_bit_6_0()</code>	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
659	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand	<code>wm8978_set_notch_filter_a0_coefficient_bit_6_0()</code>	Low	Justified	We use this function to

		operand.					convert driver settings. Developers need to refer to the data manual to convert settings.
660	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a0_coefficient_bit_6_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
494	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_notch_filter_a0_coefficient_bit_6_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
670	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_notch_filter_a0_coefficient_bit_6_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of	

							the operation.
818	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_notch_filter_a0_coefficient_bit_6_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
666	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_notch_filter_a0_coefficient_bit_6_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
91	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_notch_filter_a0_coefficient_bit_6_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
675	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a0_coefficient_bit_6_0()	Low	Justified	Embedded drivers need this method to set or	

						clear some bits and drivers guarantee the safety of the operation.
123 8	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a0_coefficient_bit_6_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
672	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a0_coefficient_bit_6_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
677	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_notch_filter_a0_coefficient_bit_6_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
798	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_notch_filter_a0_coefficient_bit_6_0()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
681	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a1_coefficient_bit_13_7()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
109 2	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_notch_filter_a1_coefficient_bit_13_7()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
309	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a1_coefficient_bit_13_7()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
445	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_notch_filter_a1_coefficient_bit_13_7()	Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.	
739	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a1_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
291	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_notch_filter_a1_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

103 0	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_notch_filter_a1_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
104 3	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_notch_filter_a1_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
157	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_notch_filter_a1_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
779	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_notch_filter_a1_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
929	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a1_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
552	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a1_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
297	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a1_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
443	10.6	The value of a composite expression shall not be assigned to an object	wm8978_set_notch_filter_a1_coefficient_bit_13_7()	Low	Justified	Embedded	

		with wider essential type. The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
138 1	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_notch_filter_a1_coefficient_bit_13_7()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
177 1	5.1	External identifiers shall be distinct.  External function wm8978_set_notch_filter_a1_coefficient_bit_6_0 conflicts with the external identifier wm8978_set_notch_filter_a1_coefficient_bit_13_7 (driver_wm8978.c line 4344).	File Scope	Low	Justified	Distinct.
654	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a1_coefficient_bit_6_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
136 3	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.	wm8978_set_notch_filter_a1_coefficient_bit_6_0()	Low	Justified	Embedded drivers need

		The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)				this method to set or clear some bits and drivers guarantee the safety of the operation.
117 9	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a1_coefficient_bit_6_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
514	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a1_coefficient_bit_6_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
849	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_notch_filter_a1_coefficient_bit_6_0()	Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to

							convert settings.
685	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_notch_filter_a1_coefficient_bit_6_0()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
686	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_notch_filter_a1_coefficient_bit_6_0()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
687	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_notch_filter_a1_coefficient_bit_6_0()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
196	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_notch_filter_a1_coefficient_bit_6_0()		Low	Justified	Embedded drivers need this method to set or

							clear some bits and drivers guarantee the safety of the operation.
688	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a1_coefficient_bit_6_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
104 8	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_notch_filter_a1_coefficient_bit_6_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
983	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a1_coefficient_bit_6_0()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
805	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_notch_filter_a1_coefficient_bit_6_0()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
689	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_notch_filter_a1_coefficient_bit_6_0()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
104 6	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_notch_filter_a1_coefficient_bit_6_0()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
653	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_alc()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
694	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_alc()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
692	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_alc()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
578	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_alc()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

861	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_alc()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
128 1	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_alc()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
141 9	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_alc()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
624	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_alc()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
122 2	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_alc_max_gain()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
136 4	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_alc_max_gain()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
699	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_alc_max_gain()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
698	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_alc_max_gain()		Low	Justified	Embedded

		The left operand of the << operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
838	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_alc_max_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
855	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_alc_max_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
120 7	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_alc_max_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
700	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_alc_max_gain()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
632	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_alc_min_gain()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
101 4	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_alc_min_gain()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
701	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_alc_min_gain()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
117 2	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_alc_min_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	to set or clear some bits and drivers guarantee the safety of the operation.
456	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_alc_min_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	to set or clear some bits and drivers guarantee the safety of the operation.
702	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_alc_min_gain()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	to set or clear some bits and drivers guarantee the safety of the

							operation.
707	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_alc_min_gain()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
105 2	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_alc_min_gain()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
613	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_alc_hold_time()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
704	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_alc_hold_time()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
119 6	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_alc_hold_time()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
110 0	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_alc_hold_time()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
708	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_alc_hold_time()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

142 1	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_alc_hold_time()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
112 7	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category floating shall not be cast to the different essential type category unsigned.	wm8978_alc_hold_time_convert_to_register()	Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
177 8	5.1	External identifiers shall be distinct.  External function wm8978_alc_hold_time_convert_to_data conflicts with the external identifier wm8978_alc_hold_time_convert_to_register (driver_wm8978.c line 4639).	File Scope	Low	Justified	Distinct.
178 5	D4.14	The validity of values received from external sources shall be checked. Dereferenced pointer is from an unsecure source. Pointer may be NULL or may point to unknown memory.	wm8978_alc_hold_time_convert_to_data()	Low	Justified	(handle == NULL)checked.
178 6	D4.14	The validity of values received from external sources shall be checked. Dereferenced pointer is from an unsecure source. Pointer may be NULL or may point to unknown memory.	wm8978_alc_hold_time_convert_to_data()	Low	Justified	(handle == NULL)checked.
711	10.4	Both operands of an operator in which the usual arithmetic conversions	wm8978_alc_hold_time_convert_to_data()	Low	Justified	Embedded

		are performed shall have the same essential type category. The left operand of the * operator has essentially unsigned type while the right operand has essentially floating type.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
303	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_alc_level()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
105 7	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_alc_level()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
713	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_alc_level()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
127 4	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_alc_level()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
878	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_alc_level()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
116 0	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_alc_level()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
139 4	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an	wm8978_set_alc_level()		Low	Justified	Embedded drivers need this method

		object with a different essential type category (unsigned)					to set or clear some bits and drivers guarantee the safety of the operation.
134 6	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_alc_level()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
880	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_alc_mode()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
974	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_alc_mode()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
306	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_alc_mode()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
721	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_alc_mode()		Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.
122 6	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_alc_mode()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
254	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_alc_mode()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
949	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_alc_mode()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
123 1	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_alc_mode()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
132 2	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_alc_mode()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

160	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_alc_decay()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
728	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_alc_decay()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
725	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_alc_decay()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
563	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_alc_decay()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
730	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_alc_decay()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
115 5	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_alc_decay()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
423	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_alc_attack()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
134	10.3	The value of an expression shall not be assigned to an object with a	wm8978_set_alc_attack()		Low	Justified	Embedded

2		narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
133 1	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_alc_attack()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
245	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_alc_attack()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
736	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_alc_attack()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
951	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_alc_attack()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
35	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_alc_noise_gate()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
680	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_alc_noise_gate()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
104 9	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_alc_noise_gate()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
159	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_alc_noise_gate()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
40	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_alc_noise_gate()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
737	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_alc_noise_gate()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
131 3	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_alc_noise_gate()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
733	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_alc_noise_gate()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
326	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_alc_noise_gate_threshold()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
101 8	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_alc_noise_gate_threshold()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
740	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_alc_noise_gate_threshold()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
626	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_alc_noise_gate_threshold()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
250	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type. The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_alc_noise_gate_threshold()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

746	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_alc_noise_gate_threshold()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
745	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category signed shall not be cast to the different essential type category unsigned.	wm8978_alc_noise_gate_threshold_convert_to_register()	Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
175 2	5.1	External identifiers shall be distinct.  External function wm8978_alc_noise_gate_threshold_convert_to_data conflicts with the external identifier wm8978_alc_noise_gate_threshold_convert_to_register (driver_wm8978.c line 4984).	File Scope	Low	Justified	Distinct.
178 7	D4.14	The validity of values received from external sources shall be checked. Dereferenced pointer is from an unsecure source. Pointer may be NULL or may point to unknown memory.	wm8978_alc_noise_gate_threshold_convert_to_data()	Low	Justified	(handle == NULL)checked.
178 8	D4.14	The validity of values received from external sources shall be checked. Dereferenced pointer is from an unsecure source. Pointer may be NULL or may point to unknown memory.	wm8978_alc_noise_gate_threshold_convert_to_data()	Low	Justified	(handle == NULL)checked.

6	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the * operator has essentially unsigned type while the right operand has essentially signed type.	wm8978_alc_noise_gate_threshold_convert_to_data()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
399	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_mclk_divide_by_2()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
738	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_mclk_divide_by_2()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
435	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_mclk_divide_by_2()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
856	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_mclk_divide_by_2()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
173	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_mclk_divide_by_2()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
638	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_mclk_divide_by_2()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
103	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_mclk_divide_by_2()		Low	Justified	Embedded

5		The right operand of the  = operator is of an inappropriate essential type category enum.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
278	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_mclk_divide_by_2()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
747	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_plln()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
131 8	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_plln()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
332	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_plln()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
106 9	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_plln()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
328	10.6	The value of a composite expression shall not be assigned to an object with wider essential type. The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_plln()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
546	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.	wm8978_set_plln()		Low	Justified	Embedded drivers need this method

		The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression				to set or clear some bits and drivers guarantee the safety of the operation.
128 4	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type unsigned on 32 bits) is assigned to an object with a narrower essential type (unsigned on 16 bits)	wm8978_set_pll_freq()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
651	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the & operator is of an inappropriate essential type category signed.	wm8978_set_pll_freq()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
593	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type unsigned on 32 bits) is assigned to an object with a narrower essential type (unsigned on 16 bits)	wm8978_set_pll_freq()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
877	10.1	Operands shall not be of an inappropriate essential type. The right operand of the & operator is of an inappropriate essential type category signed.	wm8978_set_pll_freq()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
127 8	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type unsigned on 32 bits) is assigned to an object with a narrower essential type (unsigned on 16 bits)	wm8978_set_pll_freq()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
768	10.1	Operands shall not be of an inappropriate essential type. The right operand of the & operator is of an inappropriate essential type category signed.	wm8978_set_pll_freq()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
750	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_depth_3d()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
113 5	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_depth_3d()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
874	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_depth_3d()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
583	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_depth_3d()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

754	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_depth_3d()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
135 8	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_depth_3d()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
641	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category floating shall not be cast to the different essential type category unsigned.	wm8978_depth_3d_convert_to_register()		Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
178	D4.14	The validity of values received from external sources shall be checked.	wm8978_depth_3d_convert_to_data()		Low	Justified	(handle ==

9		Dereferenced pointer is from an unsecure source. Pointer may be NULL or may point to unknown memory.			ed	NULL)check ed.
179 0	D4.14	The validity of values received from external sources shall be checked. Dereferenced pointer is from an unsecure source. Pointer may be NULL or may point to unknown memory.	wm8978_depth_3d_convert_to_data()	Low	Justified	(handle == NULL)check ed.
569	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_mute_input_to_inv_rout2_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
890	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_mute_input_to_inv_rout2_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
457	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_mute_input_to_inv_rout2_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

884	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_mute_input_to_inv_rout2_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
757	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_mute_input_to_inv_rout2_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
796	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_mute_input_to_inv_rout2_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
897	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_mute_input_to_inv_rout2_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
141 1	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_mute_input_to_inv_rout2_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
931	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_inv_rout2_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
136 9	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_inv_rout2_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
761	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_inv_rout2_mixer()		Low	Justified	Embedded

		The operand of the ~ operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
100 3	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_inv_rout2_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
184	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_inv_rout2_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
862	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_inv_rout2_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
106 4	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_inv_rout2_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
762	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_inv_rout2_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
446	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_beep_volume()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
820	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an	wm8978_set_beep_volume()		Low	Justified	Embedded drivers need this method

		object with a different essential type category (unsigned)				to set or clear some bits and drivers guarantee the safety of the operation.
107 3	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_beep_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
766	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_beep_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
549	10.6	The value of a composite expression shall not be assigned to an object with wider essential type. The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_beep_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
722	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_beep_volume()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
841	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category signed shall not be cast to the different essential type category unsigned.	wm8978_beep_volume_convert_to_register()		Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
179 1	D4.14	The validity of values received from external sources shall be checked. Dereferenced pointer is from an unsecure source. Pointer may be NULL or may point to unknown memory.	wm8978_beep_volume_convert_to_data()		Low	Justified	(handle == NULL)checked.
179 2	D4.14	The validity of values received from external sources shall be checked. Dereferenced pointer is from an unsecure source. Pointer may be NULL or may point to unknown memory.	wm8978_beep_volume_convert_to_data()		Low	Justified	(handle == NULL)checked.
865	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category unsigned shall not be cast to the different essential type category	wm8978_beep_volume_convert_to_data()		Low	Justified	We use enumeration to define driver configuration

		signed.				n, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
693	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_beep()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
140 2	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_beep()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
141	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_beep()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers

							guarantee the safety of the operation.
771	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_beep()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
133	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_beep()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
719	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_beep()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
138 6	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential	wm8978_set_beep()		Low	Justified	Embedded drivers need

		type category enum.					this method to set or clear some bits and drivers guarantee the safety of the operation.
100	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_beep()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
910	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_microphone_bias_voltage()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
139 9	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_microphone_bias_voltage()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

							the operation.
986	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_microphone_bias_voltage()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
560	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_microphone_bias_voltage()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
716	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_microphone_bias_voltage()		Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.
590	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_microphone_bias_voltage()		Low	Justified	Embedded drivers need this method to set or

							clear some bits and drivers guarantee the safety of the operation.
696	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_microphone_bias_voltage()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
706	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_microphone_bias_voltage()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
769	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_microphone_bias_voltage()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
145 7	5.1	External identifiers shall be distinct.  External function <code>wm8978_set_right_channel_input_pga_positive</code> conflicts with the external identifier <code>wm8978_set_right_channel_input_boost</code> (driver_wm8978.c line 721).	File Scope		Low	Justified	Distinct.
683	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the <code>&amp;=</code> operator is of an inappropriate essential type category signed.	<code>wm8978_set_right_channel_input_pga_positive()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
117 1	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	<code>wm8978_set_right_channel_input_pga_positive()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
342	10.1	Operands shall not be of an inappropriate essential type.  The operand of the <code>~</code> operator is of an inappropriate essential type category signed.	<code>wm8978_set_right_channel_input_pga_positive()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

770	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_pga_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
773	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_input_pga_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
774	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_channel_input_pga_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
141 5	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_channel_input_pga_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
405	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_input_pga_positive()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
166 4	5.1	External identifiers shall be distinct. External function wm8978_set_right_channel_input_pga_negative conflicts with the external identifier wm8978_set_right_channel_input_boost (driver_wm8978.c line 721).	File Scope		Low	Justified	Distinct.
544	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_pga_negative()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
551	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_channel_input_pga_negative()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
83	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_pga_negative()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
367	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_pga_negative()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
183	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_channel_input_pga_negative()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
220	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while	wm8978_set_right_channel_input_pga_negative()	Low	Justified	Embedded drivers need this method	

		the right operand has essentially enum type.				to set or clear some bits and drivers guarantee the safety of the operation.
311	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_input_pga_negative()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
402	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_input_pga_negative()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
171 3	5.1	External identifiers shall be distinct.  External function  wm8978_set_right_channel_input_pga_amplifier_positive conflicts with the external identifier wm8978_set_right_channel_input_boost (driver_wm8978.c line 721).	File Scope	Low	Justified	Distinct.
558	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_pga_amplifier_positive()	Low	Justified	Embedded drivers need this method to set or

						clear some bits and drivers guarantee the safety of the operation.
817	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_channel_input_pga_amplifier_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
128 8	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_pga_amplifier_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
776	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_pga_amplifier_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
391	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_channel_input_pga_amplifier_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
778	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_channel_input_pga_amplifier_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
811	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_input_pga_amplifier_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
595	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_input_pga_amplifier_positive()	Low	Justified	Embedded drivers need this method to set or clear some	

							bits and drivers guarantee the safety of the operation.
154 1	5.1	External identifiers shall be distinct.  External function <code>wm8978_set_left_channel_input_pga_positive</code> conflicts with the external identifier <code>wm8978_set_left_channel_input_pga</code> (driver_wm8978.c line 856).	File Scope		Low	Justified	Distinct.
734	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the <code>&amp;=</code> operator is of an inappropriate essential type category signed.	<code>wm8978_set_left_channel_input_pga_positive()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
783	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	<code>wm8978_set_left_channel_input_pga_positive()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
780	10.1	Operands shall not be of an inappropriate essential type.  The operand of the <code>~</code> operator is of an inappropriate essential type category signed.	<code>wm8978_set_left_channel_input_pga_positive()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers

							guarantee the safety of the operation.
755	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
244	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_input_pga_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
623	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_input_pga_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
109 9	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.	wm8978_set_left_channel_input_pga_positive()	Low	Justified	Embedded drivers need	

		The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.				this method to set or clear some bits and drivers guarantee the safety of the operation.
102 1	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_input_pga_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
171 7	5.1	External identifiers shall be distinct. External function wm8978_set_left_channel_input_pga_negative conflicts with the external identifier wm8978_set_left_channel_input_pga (driver_wm8978.c line 856).	File Scope	Low	Justified	Distinct.
166	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga_negative()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
788	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_input_pga_negative()	Low	Justified	Embedded drivers need this method to set or

							clear some bits and drivers guarantee the safety of the operation.
784	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga_negative()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
140	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga_negative()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
152	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_input_pga_negative()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
228	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_input_pga_negative()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
895	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_channel_input_pga_negative()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
789	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_input_pga_negative()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
147 1	5.1	External identifiers shall be distinct. External function wm8978_set_left_channel_input_pga_amplifier_positive conflicts with the external identifier wm8978_set_left_channel_input_pga (driver_wm8978.c line 856).	File Scope		Low	Justified	Distinct.

296	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga_amplifier_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
120 3	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_input_pga_amplifier_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
273	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga_amplifier_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
937	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga_amplifier_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
158	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_channel_input_pga_amplifier_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
428	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_input_pga_amplifier_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
966	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_input_pga_amplifier_positive()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
793	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_left_channel_input_pga_amplifier_positive()	Low	Justified	Embedded	

		The left operand of the << operator is of an inappropriate essential type category enum.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
800	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_input_pga_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
140 5	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_input_pga_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
832	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_input_pga_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
795	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_input_pga_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
101 6	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_left_input_pga_update()		Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.
412	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_input_pga_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
460	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_input_pga_update()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
566	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_input_pga_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
414	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_input_pga_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
171 5	5.1	External identifiers shall be distinct. External function wm8978_set_left_channel_input_pga_zero_cross conflicts with the external identifier wm8978_set_left_channel_input_pga (driver_wm8978.c line 856).	File Scope	Low	Justified	Distinct.	
465	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_input_pga_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some	

							bits and drivers guarantee the safety of the operation.
107 4	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
108 0	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
802	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

599	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_input_pga_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
591	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_input_pga_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
115 0	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_channel_input_pga_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
808	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_input_pga_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
160 6	5.1	External identifiers shall be distinct.  External function <code>wm8978_set_left_channel_input_pga_mute</code> conflicts with the external identifier <code>wm8978_set_left_channel_input_pga</code> (driver_wm8978.c line 856).	File Scope		Low	Justified	Distinct.
432	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the <code>&amp;=</code> operator is of an inappropriate essential type category signed.	<code>wm8978_set_left_channel_input_pga_mute()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
815	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	<code>wm8978_set_left_channel_input_pga_mute()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
138 7	10.1	Operands shall not be of an inappropriate essential type.  The operand of the <code>~</code> operator is of an inappropriate essential type category signed.	<code>wm8978_set_left_channel_input_pga_mute()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
60	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
819	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_input_pga_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
822	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_channel_input_pga_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
825	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an	wm8978_set_left_channel_input_pga_mute()	Low	Justified	Embedded drivers need this method	

		object with a different essential type category (unsigned)				to set or clear some bits and drivers guarantee the safety of the operation.
216	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_input_pga_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
162 2	5.1	External identifiers shall be distinct. External function wm8978_set_left_channel_input_pga_volume conflicts with the external identifier wm8978_set_left_channel_input_pga (driver_wm8978.c line 856).	File Scope	Low	Justified	Distinct.
826	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
828	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_input_pga_volume()	Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
504	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
104 4	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
113 6	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type. The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_left_channel_input_pga_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

118 8	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_left_channel_input_pga_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
916	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category floating shall not be cast to the different essential type category unsigned.	wm8978_left_channel_input_pga_volume_convert_to_register()	Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
168 2	5.1	External identifiers shall be distinct.  External function  wm8978_left_channel_input_pga_volume_convert_to_data conflicts with the external identifier  wm8978_left_channel_input_pga_volume_convert_to_register (driver_wm8978.c line 6037).	File Scope	Low	Justified	Distinct.
179 3	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.  Pointer may be NULL or may point to unknown memory.	wm8978_left_channel_input_pga_volume_convert_to_data()	Low	Justified	(handle == NULL)checked.
179 4	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.  Pointer may be NULL or may point to unknown memory.	wm8978_left_channel_input_pga_volume_convert_to_data()	Low	Justified	(handle == NULL)checked.

839	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_input_pga_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
113 0	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_input_pga_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
837	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_input_pga_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
831	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_right_input_pga_update()	Low	Justified	We use this function to convert driver settings. Developers

							need to refer to the data manual to convert settings.
128 0	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_input_pga_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
179	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_input_pga_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
464	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_input_pga_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
845	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_right_input_pga_update()		Low	Justified	Embedded

		The right operand of the  = operator is of an inappropriate essential type category enum.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
876	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_input_pga_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
176 8	5.1	External identifiers shall be distinct. External function wm8978_set_right_channel_input_pga_zero_cross conflicts with the external identifier wm8978_set_right_channel_input_boost (driver_wm8978.c line 721).	File Scope	Low	Justified	Distinct.
973	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_pga_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
138 0	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an	wm8978_set_right_channel_input_pga_zero_cross()	Low	Justified	Embedded drivers need this method

		object with a different essential type category (unsigned)				to set or clear some bits and drivers guarantee the safety of the operation.
977	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_pga_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
846	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_pga_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
165	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_channel_input_pga_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
850	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_channel_input_pga_zero_cross()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
963	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_input_pga_zero_cross()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
454	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_input_pga_zero_cross()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
174 0	5.1	External identifiers shall be distinct.  External function wm8978_set_right_channel_input_pga_mute conflicts with the external identifier wm8978_set_right_channel_input_boost (driver_wm8978.c line 721).	File Scope		Low	Justified	Distinct.

603	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_channel_input_pga_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
851	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_pga_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
301	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_pga_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
903	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_pga_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
93	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_channel_input_pga_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
550	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_input_pga_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
131 0	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_channel_input_pga_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
121	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_right_channel_input_pga_mute()	Low	Justified	Embedded	

0		The left operand of the << operator is of an inappropriate essential type category enum.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
170 5	5.1	External identifiers shall be distinct. External function <code>wm8978_set_right_channel_input_pga_volume</code> conflicts with the external identifier <code>wm8978_set_right_channel_input_boost</code> (driver_wm8978.c line 721).	File Scope	Low	Justified	Distinct.
993	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	<code>wm8978_set_right_channel_input_pga_volume()</code>	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
125 6	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	<code>wm8978_set_right_channel_input_pga_volume()</code>	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
594	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	<code>wm8978_set_right_channel_input_pga_volume()</code>	Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
114 9	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_pga_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
111	10.6	The value of a composite expression shall not be assigned to an object with wider essential type. The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_right_channel_input_pga_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
124 6	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type. The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_right_channel_input_pga_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
852	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category floating shall not be cast to the different essential type category unsigned.	wm8978_right_channel_input_pga_volume_convert_to_register()	Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.	
176 9	5.1	External identifiers shall be distinct.  External function wm8978_right_channel_input_pga_volume_convert_to_data conflicts with the external identifier wm8978_right_channel_input_pga_volume_convert_to_register (driver_wm8978.c line 6278).	File Scope	Low	Justified	Distinct.	
179 5	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.  Pointer may be NULL or may point to unknown memory.	wm8978_right_channel_input_pga_volume_convert_to_data()	Low	Justified	(handle == NULL)checked.	
179 6	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.  Pointer may be NULL or may point to unknown memory.	wm8978_right_channel_input_pga_volume_convert_to_data()	Low	Justified	(handle == NULL)checked.	
171 8	5.1	External identifiers shall be distinct.  External function wm8978_set_left_channel_input_pga_boost conflicts with the external identifier wm8978_set_left_channel_input_pga (driver_wm8978.c line 856).	File Scope	Low	Justified	Distinct.	
252	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga_boost()	Low	Justified	Embedded drivers need this method to set or clear some	

							bits and drivers guarantee the safety of the operation.
125 7	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_input_pga_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
64	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
162	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_pga_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

113 8	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_left_channel_input_pga_boost()	Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.
854	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_input_pga_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
102 7	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_channel_input_pga_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
120 5	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_input_pga_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
111 3	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_channel_input_pga_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
169 0	5.1	External identifiers shall be distinct. External function wm8978_set_left_channel_input_boost_stage conflicts with the external identifier wm8978_set_left_channel_input_boost (driver_wm8978.c line 766).	File Scope		Low	Justified	Distinct.
588	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_channel_input_boost_stage()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
114 3	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_boost_stage()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
857	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
336	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
415	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type. The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_left_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
859	10.6	The value of a composite expression shall not be assigned to an object with wider essential type. The composite expression (of essential type unsigned on 8 bits) is	wm8978_set_left_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method	

		assigned to an object with a wider essential type (unsigned on 16 bits)				to set or clear some bits and drivers guarantee the safety of the operation.
804	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category signed shall not be cast to the different essential type category unsigned.	wm8978_left_channel_input_boost_stage_convert_to_register()	Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
177 4	5.1	External identifiers shall be distinct.  External function  wm8978_left_channel_input_boost_stage_convert_to_data conflicts with the external identifier  wm8978_left_channel_input_boost_stage_convert_to_register (driver_wm8978.c line 6429).	File Scope	Low	Justified	Distinct.
179 7	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.  Pointer may be NULL or may point to unknown memory.	wm8978_left_channel_input_boost_stage_convert_to_data()	Low	Justified	(handle == NULL)checked.
179 8	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.  Pointer may be NULL or may point to unknown memory.	wm8978_left_channel_input_boost_stage_convert_to_data()	Low	Justified	(handle == NULL)checked.
102 2	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category	wm8978_left_channel_input_boost_stage_convert_to_data()	Low	Justified	We use enumeration to define

		unsigned shall not be cast to the different essential type category signed.				driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
276	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_auxiliary_amplifier_left_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
385	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_auxiliary_amplifier_left_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
111 0	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_auxiliary_amplifier_left_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
258	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_auxiliary_amplifier_left_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
787	10.6	The value of a composite expression shall not be assigned to an object with wider essential type. The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_auxiliary_amplifier_left_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
791	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type. The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_auxiliary_amplifier_left_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

137 9	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category signed shall not be cast to the different essential type category unsigned.	wm8978_auxiliary_amplifier_left_channel_input_boost_stage_convert_to_register()		Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
171 0	5.1	External identifiers shall be distinct.  External function  wm8978_auxiliary_amplifier_left_channel_input_boost_stage_convert_to_data conflicts with the external identifier  wm8978_auxiliary_amplifier_left_channel_input_boost_stage_convert_to_register (driver_wm8978.c line 6535).	File Scope		Low	Justified	Distinct.
179 9	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.  Pointer may be NULL or may point to unknown memory.	wm8978_auxiliary_amplifier_left_channel_input_boost_stage_convert_to_data()		Low	Justified	(handle == NULL)checked.
180 0	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.  Pointer may be NULL or may point to unknown memory.	wm8978_auxiliary_amplifier_left_channel_input_boost_stage_convert_to_data()		Low	Justified	(handle == NULL)checked.
933	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category unsigned shall not be cast to the different essential type category signed.	wm8978_auxiliary_amplifier_left_channel_input_boost_stage_convert_to_data()		Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted

							and drivers guarantee the safety of the operation.
169 8	5.1	External identifiers shall be distinct.  External function <code>wm8978_set_right_channel_input_pga_boost</code> conflicts with the external identifier <code>wm8978_set_right_channel_input_boost</code> (driver_wm8978.c line 721).	File Scope		Low	Justified	Distinct.
835	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	<code>wm8978_set_right_channel_input_pga_boost()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
130 0	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the <code>&amp;=</code> operator is of an inappropriate essential type category signed.	<code>wm8978_set_right_channel_input_pga_boost()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
176	10.1	Operands shall not be of an inappropriate essential type.  The operand of the <code>~</code> operator is of an inappropriate essential type category signed.	<code>wm8978_set_right_channel_input_pga_boost()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
872	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_right_channel_input_pga_boost()	Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.	
139 1	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_pga_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
189	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_input_pga_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
881	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an	wm8978_set_right_channel_input_pga_boost()	Low	Justified	Embedded drivers need this method	

		object with a different essential type category (unsigned)				to set or clear some bits and drivers guarantee the safety of the operation.
122 0	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_channel_input_pga_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
875	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_channel_input_pga_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
169 7	5.1	External identifiers shall be distinct.  External function wm8978_set_right_channel_input_boost_stage conflicts with the external identifier wm8978_set_right_channel_input_boost (driver_wm8978.c line 721).	File Scope	Low	Justified	Distinct.
749	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
882	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
718	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
108 2	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

571	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_right_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
115 2	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_right_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
118 0	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category signed shall not be cast to the different essential type category unsigned.	wm8978_right_channel_input_boost_stage_convert_to_register()	Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
174	5.1	External identifiers shall be distinct.	File Scope	Low	Justified	Distinct.

3		External function wm8978_right_channel_input_boost_stage_convert_to_data conflicts with the external identifier wm8978_right_channel_input_boost_stage_convert_to_register (driver_wm8978.c line 6686).			ed	
180 1	D4.14	The validity of values received from external sources shall be checked. Dereferenced pointer is from an unsecure source. Pointer may be NULL or may point to unknown memory.	wm8978_right_channel_input_boost_stage_convert_to_data()	Low	Justified	(handle == NULL)checked.
180 2	D4.14	The validity of values received from external sources shall be checked. Dereferenced pointer is from an unsecure source. Pointer may be NULL or may point to unknown memory.	wm8978_right_channel_input_boost_stage_convert_to_data()	Low	Justified	(handle == NULL)checked.
888	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category unsigned shall not be cast to the different essential type category signed.	wm8978_right_channel_input_boost_stage_convert_to_data()	Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
168 8	5.1	External identifiers shall be distinct.  External function wm8978_set_auxiliary_amplifier_right_channel_input_boost_stage conflicts with the external identifier wm8978_set_auxiliary_amplifier_left_channel_input_boost_stage (driver_wm8978.c line 6484).	File Scope	Low	Justified	Distinct.
138 9	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_auxiliary_amplifier_right_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
139 7	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_auxiliary_amplifier_right_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
375	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_auxiliary_amplifier_right_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
56	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_auxiliary_amplifier_right_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
891	10.7	If a composite expression is used as one operand of an operator in	wm8978_set_auxiliary_amplifier_right_channel_input_boost_stage()	Low	Justified	Embedded	

		which the usual arithmetic conversions are performed then the other operand shall not have wider essential type. The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
892	10.6	The value of a composite expression shall not be assigned to an object with wider essential type. The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_auxiliary_amplifier_right_channel_input_boost_stage()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
105 6	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type. The value of the composite expression of essential type category signed shall not be cast to the different essential type category unsigned.	wm8978_auxiliary_amplifier_right_channel_input_boost_stage_convert_to_register()	Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
170 6	5.1	External identifiers shall be distinct. External function wm8978_auxiliary_amplifier_right_channel_input_boost_stage_convert	File Scope	Low	Justified	Distinct.

		_to_data conflicts with the external identifier wm8978_auxiliary_amplifier_right_channel_input_boost_stage_convert_to_register (driver_wm8978.c line 6792).				
180 3	D4.14	The validity of values received from external sources shall be checked. Dereferenced pointer is from an unsecure source. Pointer may be NULL or may point to unknown memory.	wm8978_auxiliary_amplifier_right_channel_input_boost_stage_convert_to_data()	Low	Justified	(handle == NULL)checked.
180 4	D4.14	The validity of values received from external sources shall be checked. Dereferenced pointer is from an unsecure source. Pointer may be NULL or may point to unknown memory.	wm8978_auxiliary_amplifier_right_channel_input_boost_stage_convert_to_data()	Low	Justified	(handle == NULL)checked.
139 8	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category unsigned shall not be cast to the different essential type category signed.	wm8978_auxiliary_amplifier_right_channel_input_boost_stage_convert_to_data()	Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
312	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_output_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
898	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an	wm8978_set_left_dac_output_to_right_output_mixer()	Low	Justified	Embedded drivers need this method

		object with a different essential type category (unsigned)				to set or clear some bits and drivers guarantee the safety of the operation.
893	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_output_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
125 9	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_output_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
900	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_dac_output_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
968	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_dac_output_to_right_output_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
112 8	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_dac_output_to_right_output_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
169	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_dac_output_to_right_output_mixer()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
902	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_dac_output_to_left_output_mixer()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
925	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_dac_output_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
126 6	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_dac_output_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
887	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_dac_output_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

47	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_dac_output_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
390	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_dac_output_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
911	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_dac_output_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
510	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_dac_output_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
912	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_out4_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
133 6	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out4_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
637	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_out4_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
111	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_out4_boost()		Low	Justified	Embedded

6		The left operand of the << operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
858	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out4_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
914	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_out4_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
918	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_out4_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
507	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_out4_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
135	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out3_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
927	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_out3_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
919	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_out3_boost()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
579	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_out3_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
469	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out3_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
129 8	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_out3_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
136 6	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_out3_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
116 4	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_out3_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
935	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_speaker_boost()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
939	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_speaker_boost()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
124 0	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_speaker_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
930	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_speaker_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
149	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_speaker_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

941	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_speaker_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
123 2	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_speaker_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
128 7	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_speaker_boost()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
625	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_thermal_shutdown()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
943	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_thermal_shutdown()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
119 7	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_thermal_shutdown()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
113 3	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_thermal_shutdown()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
782	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_thermal_shutdown()	Low	Justified	Embedded	

		The right operand of the  = operator is of an inappropriate essential type category enum.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
122 4	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_thermal_shutdown()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
133 4	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_thermal_shutdown()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
945	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_thermal_shutdown()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
125 4	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_vref_to_analogue_output_resistance()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
129 7	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_vref_to_analogue_output_resistance()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
948	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_vref_to_analogue_output_resistance()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
540	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_vref_to_analogue_output_resistance()	Low	Justified	Embedded drivers need this method	

							to set or clear some bits and drivers guarantee the safety of the operation.
619	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_vref_to_analogue_output_resistance()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
988	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_vref_to_analogue_output_resistance()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
1340	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_vref_to_analogue_output_resistance()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
726	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_vref_to_analogue_output_resistance()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
952	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_aux_left_channel_input_to_left_mixer_volume()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
100 2	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_aux_left_channel_input_to_left_mixer_volume()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
105 8	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_aux_left_channel_input_to_left_mixer_volume()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
950	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_aux_left_channel_input_to_left_mixer_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
96	10.6	The value of a composite expression shall not be assigned to an object with wider essential type. The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_aux_left_channel_input_to_left_mixer_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
140 3	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type. The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_aux_left_channel_input_to_left_mixer_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

130	10.8	<p>The value of a composite expression shall not be cast to a different essential type category or a wider essential type.</p> <p>The value of the composite expression of essential type category signed shall not be cast to the different essential type category unsigned.</p>	wm8978_aux_left_channel_input_to_left_mixer_volume_convert_to_register()		Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
168 4	5.1	<p>External identifiers shall be distinct.</p> <p>External function</p> <p>wm8978_aux_left_channel_input_to_left_mixer_volume_convert_to_data conflicts with the external identifier</p> <p>wm8978_aux_left_channel_input_to_left_mixer_volume_convert_to_register (driver_wm8978.c line 7213).</p>	File Scope		Low	Justified	Distinct.
180 5	D4.14	<p>The validity of values received from external sources shall be checked.</p> <p>Dereferenced pointer is from an unsecure source.</p> <p>Pointer may be NULL or may point to unknown memory.</p>	wm8978_aux_left_channel_input_to_left_mixer_volume_convert_to_data()		Low	Justified	(handle == NULL)checked.
180 6	D4.14	<p>The validity of values received from external sources shall be checked.</p> <p>Dereferenced pointer is from an unsecure source.</p> <p>Pointer may be NULL or may point to unknown memory.</p>	wm8978_aux_left_channel_input_to_left_mixer_volume_convert_to_data()		Low	Justified	(handle == NULL)checked.
440	10.8	<p>The value of a composite expression shall not be cast to a different essential type category or a wider essential type.</p> <p>The value of the composite expression of essential type category unsigned shall not be cast to the different essential type category signed.</p>	wm8978_aux_left_channel_input_to_left_mixer_volume_convert_to_data()		Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted

							and drivers guarantee the safety of the operation.
417	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_auxiliary_input_to_left_channel_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
957	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_auxiliary_input_to_left_channel_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
956	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_auxiliary_input_to_left_channel_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
917	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_left_auxiliary_input_to_left_channel_output_mixer()	Low	Justified	Embedded	

		The left operand of the << operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
860	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_auxiliary_input_to_left_channel_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
959	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_auxiliary_input_to_left_channel_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
964	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_auxiliary_input_to_left_channel_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
760	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_auxiliary_input_to_left_channel_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
899	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_bypass_volume_control_to_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
906	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_bypass_volume_control_to_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
114 1	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_bypass_volume_control_to_output_channel_mixer()	Low	Justified	Embedded drivers need this method	

							to set or clear some bits and drivers guarantee the safety of the operation.
967	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_bypass_volume_control_to_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
123	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_left_bypass_volume_control_to_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
674	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_left_bypass_volume_control_to_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
59	10.8	<p>The value of a composite expression shall not be cast to a different essential type category or a wider essential type.</p> <p>The value of the composite expression of essential type category signed shall not be cast to the different essential type category unsigned.</p>	wm8978_left_bypass_volume_control_to_output_channel_mixer_converter_to_register()		Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
1750	5.1	<p>External identifiers shall be distinct.</p> <p>External function</p> <p>wm8978_left_bypass_volume_control_to_output_channel_mixer_converter_to_data conflicts with the external identifier</p> <p>wm8978_left_bypass_volume_control_to_output_channel_mixer_converter_to_register (driver_wm8978.c line 7364).</p>	File Scope		Low	Justified	Distinct.
1807	D4.14	<p>The validity of values received from external sources shall be checked.</p> <p>Dereferenced pointer is from an unsecure source.</p> <p>Pointer may be NULL or may point to unknown memory.</p>	wm8978_left_bypass_volume_control_to_output_channel_mixer_converter_to_data()		Low	Justified	(handle == NULL)checked.
1808	D4.14	<p>The validity of values received from external sources shall be checked.</p> <p>Dereferenced pointer is from an unsecure source.</p> <p>Pointer may be NULL or may point to unknown memory.</p>	wm8978_left_bypass_volume_control_to_output_channel_mixer_converter_to_data()		Low	Justified	(handle == NULL)checked.
341	10.8	<p>The value of a composite expression shall not be cast to a different essential type category or a wider essential type.</p> <p>The value of the composite expression of essential type category unsigned shall not be cast to the different essential type category signed.</p>	wm8978_left_bypass_volume_control_to_output_channel_mixer_converter_to_data()		Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should

							be accepted and drivers guarantee the safety of the operation.
170	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_bypass_path_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
975	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_bypass_path_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
971	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_bypass_path_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

970	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_bypass_path_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
752	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_bypass_path_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
130 6	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_bypass_path_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
133 0	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_bypass_path_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
124	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_bypass_path_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
27	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_dac_output_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
978	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_output_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
249	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_left_dac_output_to_left_output_mixer()	Low	Justified	Embedded	

		The operand of the ~ operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
137 2	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_output_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
25	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_dac_output_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
172	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_dac_output_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
984	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_dac_output_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
102 8	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_dac_output_to_left_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
100 1	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_aux_right_channel_input_to_right_mixer_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
102 5	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_aux_right_channel_input_to_right_mixer_volume()	Low	Justified	Embedded drivers need this method	

							to set or clear some bits and drivers guarantee the safety of the operation.
355	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_aux_right_channel_input_to_right_mixer_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
81	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_aux_right_channel_input_to_right_mixer_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
717	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type. The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_aux_right_channel_input_to_right_mixer_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
989	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_aux_right_channel_input_to_right_mixer_volume()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
990	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category signed shall not be cast to the different essential type category unsigned.	wm8978_aux_right_channel_input_to_right_mixer_volume_convert_to_register()		Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
175 8	5.1	External identifiers shall be distinct.  External function  wm8978_aux_right_channel_input_to_right_mixer_volume_convert_to_data conflicts with the external identifier  wm8978_aux_right_channel_input_to_right_mixer_volume_convert_to_register (driver_wm8978.c line 7560).	File Scope		Low	Justified	Distinct.
180 9	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.  Pointer may be NULL or may point to unknown memory.	wm8978_aux_right_channel_input_to_right_mixer_volume_convert_to_data()		Low	Justified	(handle == NULL)checked.
181	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.	wm8978_aux_right_channel_input_to_right_mixer_volume_convert_to_		Low	Justified	(handle == NULL)checked

0		Pointer may be NULL or may point to unknown memory.	data()		ed	ed.
257	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category unsigned shall not be cast to the different essential type category signed.	wm8978_aux_right_channel_input_to_right_mixer_volume_convert_to_data()	Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
995	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_auxiliary_input_to_right_channel_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
112 1	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_auxiliary_input_to_right_channel_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

100 7	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_auxiliary_input_to_right_channel_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
106 3	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_auxiliary_input_to_right_channel_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
639	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_auxiliary_input_to_right_channel_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
101 5	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_auxiliary_input_to_right_channel_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
101 7	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_auxiliary_input_to_right_channel_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
997	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_auxiliary_input_to_right_channel_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
631	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_bypass_volume_control_to_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
101	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_right_bypass_volume_control_to_output_channel_mixer()	Low	Justified	Embedded	

9		The right operand of the &= operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
110 4	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_bypass_volume_control_to_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
260	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_bypass_volume_control_to_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
102 4	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_right_bypass_volume_control_to_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
120 2	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_right_bypass_volume_control_to_output_channel_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
103 1	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category signed shall not be cast to the different essential type category unsigned.	wm8978_right_bypass_volume_control_to_output_channel_mixer_convert_to_register()	Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.	
175 4	5.1	External identifiers shall be distinct.  External function  wm8978_right_bypass_volume_control_to_output_channel_mixer_convert_to_data conflicts with the external identifier  wm8978_right_bypass_volume_control_to_output_channel_mixer_convert_to_register (driver_wm8978.c line 7711).	File Scope	Low	Justified	Distinct.	
181 1	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.  Pointer may be NULL or may point to unknown memory.	wm8978_right_bypass_volume_control_to_output_channel_mixer_convert_to_data()	Low	Justified	(handle == NULL)checked.	

181 2	D4.14	The validity of values received from external sources shall be checked. Dereferenced pointer is from an unsecure source. Pointer may be NULL or may point to unknown memory.	wm8978_right_bypass_volume_control_to_output_channel_mixer_convert_to_data()	Low	Justified	(handle == NULL)checked.
103 4	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category unsigned shall not be cast to the different essential type category signed.	wm8978_right_bypass_volume_control_to_output_channel_mixer_convert_to_data()	Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
980	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_bypass_path_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
103 8	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_bypass_path_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of

							the operation.
107 2	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_bypass_path_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
194	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_bypass_path_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
531	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_bypass_path_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
128 5	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_bypass_path_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or	

						clear some bits and drivers guarantee the safety of the operation.
129 5	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_bypass_path_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
615	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_bypass_path_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
173 1	5.1	External identifiers shall be distinct. External function wm8978_set_right_dac_output_to_right_output_mixer conflicts with the external identifier wm8978_set_right_dac_output_to_left_output_mixer (driver_wm8978.c line 6891).	File Scope	Low	Justified	Distinct.
387	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_dac_output_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
863	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_dac_output_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
679	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_dac_output_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
682	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_dac_output_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

360	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_dac_output_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
104 1	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_dac_output_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
105 0	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_dac_output_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
121 6	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_dac_output_to_right_output_mixer()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
307	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_lout1_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
842	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_lout1_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
758	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_lout1_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
720	12.2	The right hand operand of a shift operator shall lie in the range zero to	wm8978_set_lout1_update()		Low	Justifi	We use this

		one less than the width in bits of the essential type of the left hand operand.			ed	function to convert driver settings. Developers need to refer to the data manual to convert settings.
961	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_lout1_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
105 1	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_lout1_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
137 4	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_lout1_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
1410	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_lout1_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
996	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_lout1_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
1059	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_lout1_headphone_volume_zero_cross()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
1079	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an	wm8978_set_lout1_headphone_volume_zero_cross()		Low	Justified	Embedded drivers need this method

		object with a different essential type category (unsigned)				to set or clear some bits and drivers guarantee the safety of the operation.
256	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_lout1_headphone_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
114 4	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_lout1_headphone_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
107 1	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_lout1_headphone_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
107 6	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_lout1_headphone_volume_zero_cross()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
115 1	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_lout1_headphone_volume_zero_cross()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
131 4	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_lout1_headphone_volume_zero_cross()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
151	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_lout1_left_headphone_output_mute()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
122 7	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_lout1_left_headphone_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
14	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_lout1_left_headphone_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
107 8	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_lout1_left_headphone_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

108 3	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_lout1_left_headphone_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
120 8	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_lout1_left_headphone_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
139 2	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_lout1_left_headphone_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
548	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_lout1_left_headphone_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
166 7	5.1	External identifiers shall be distinct.  External function <code>wm8978_set_lout1_left_headphone_output_volume</code> conflicts with the external identifier <code>wm8978_set_lout1_left_headphone_output_mute</code> (driver_wm8978.c line 7945).	File Scope		Low	Justified	Distinct.
112 0	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the <code>&amp;=</code> operator is of an inappropriate essential type category signed.	<code>wm8978_set_lout1_left_headphone_output_volume()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
137 6	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	<code>wm8978_set_lout1_left_headphone_output_volume()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
108 4	10.1	Operands shall not be of an inappropriate essential type.  The operand of the <code>~</code> operator is of an inappropriate essential type category signed.	<code>wm8978_set_lout1_left_headphone_output_volume()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers

							guarantee the safety of the operation.
138 3	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_lout1_left_headphone_output_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
325	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_lout1_left_headphone_output_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
133 8	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_lout1_left_headphone_output_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
125 2	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.	wm8978_lout1_left_headphone_output_volume_convert_to_register()	Low	Justified	We use enumeration	

		The value of the composite expression of essential type category signed shall not be cast to the different essential type category unsigned.				to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.	
170 0	5.1	External identifiers shall be distinct.  External function  wm8978_lout1_left_headphone_output_volume_convert_to_data conflicts with the external identifier  wm8978_lout1_left_headphone_output_volume_convert_to_register (driver_wm8978.c line 8042).	File Scope		Low	Justified	Distinct.
181 3	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.  Pointer may be NULL or may point to unknown memory.	wm8978_lout1_left_headphone_output_volume_convert_to_data()		Low	Justified	(handle == NULL)checked.
181 4	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.  Pointer may be NULL or may point to unknown memory.	wm8978_lout1_left_headphone_output_volume_convert_to_data()		Low	Justified	(handle == NULL)checked.
629	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category unsigned shall not be cast to the different essential type category signed.	wm8978_lout1_left_headphone_output_volume_convert_to_data()		Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee

							the safety of the operation.
108 6	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_rout1_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
108 7	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_rout1_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
433	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_rout1_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
116 7	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_rout1_update()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
129 6	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_rout1_update()	Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.	
90	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_rout1_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
108 9	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_rout1_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
132 7	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_rout1_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
123 4	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_rout1_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
109 5	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_rout1_headphone_volume_zero_cross()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
134 9	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_rout1_headphone_volume_zero_cross()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
109 3	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_rout1_headphone_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
545	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_rout1_headphone_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
105 4	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_rout1_headphone_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

110 3	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_rout1_headphone_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
127 9	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_rout1_headphone_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
110 2	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_rout1_headphone_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
742	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_rout1_right_headphone_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
135 5	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_rout1_right_headphone_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
111 1	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_rout1_right_headphone_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
110 7	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_rout1_right_headphone_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
527	10.4	Both operands of an operator in which the usual arithmetic conversions	wm8978_set_rout1_right_headphone_output_mute()	Low	Justifi	Embedded	

		are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
111 4	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_rout1_right_headphone_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
117 0	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_rout1_right_headphone_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
135 7	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_rout1_right_headphone_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
173 3	5.1	External identifiers shall be distinct.  External function <code>wm8978_set_rout1_right_headphone_output_volume</code> conflicts with the external identifier <code>wm8978_set_rout1_right_headphone_output_mute</code> ( <code>driver_wm8978.c</code> line 8186).	File Scope		Low	Justified	Distinct.
314	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	<code>wm8978_set_rout1_right_headphone_output_volume()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
530	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the <code>&amp;=</code> operator is of an inappropriate essential type category signed.	<code>wm8978_set_rout1_right_headphone_output_volume()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
111 7	10.1	Operands shall not be of an inappropriate essential type.  The operand of the <code>~</code> operator is of an inappropriate essential type category signed.	<code>wm8978_set_rout1_right_headphone_output_volume()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

							the operation.
135 3	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_rout1_right_headphone_output_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
10	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type. The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_rout1_right_headphone_output_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
119 0	10.6	The value of a composite expression shall not be assigned to an object with wider essential type. The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_rout1_right_headphone_output_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
259	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type. The value of the composite expression of essential type category signed shall not be cast to the different essential type category	wm8978_rout1_right_headphone_output_volume_convert_to_register()	Low	Justified	We use enumeration to define driver	

		unsigned.				configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.	
153 8	5.1	External identifiers shall be distinct.  External function  wm8978_rout1_right_headphone_output_volume_convert_to_data conflicts with the external identifier  wm8978_rout1_right_headphone_output_volume_convert_to_register (driver_wm8978.c line 8283).	File Scope		Low	Justified	Distinct.
181 5	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.  Pointer may be NULL or may point to unknown memory.	wm8978_rout1_right_headphone_output_volume_convert_to_data()		Low	Justified	(handle == NULL)checked.
181 6	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.  Pointer may be NULL or may point to unknown memory.	wm8978_rout1_right_headphone_output_volume_convert_to_data()		Low	Justified	(handle == NULL)checked.
132 0	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category unsigned shall not be cast to the different essential type category signed.	wm8978_rout1_right_headphone_output_volume_convert_to_data()		Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the

							operation.
119 5	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_lout2_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
136 7	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_lout2_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
111 8	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_lout2_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
117 7	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_lout2_update()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
137 3	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_lout2_update()	Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.	
490	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_lout2_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
868	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_lout2_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

142 5	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_lout2_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
489	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_lout2_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
270	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_lout2_speaker_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
112 2	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_lout2_speaker_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
126 4	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_lout2_speaker_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
130 1	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_lout2_speaker_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
105 5	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_lout2_speaker_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
112	10.4	Both operands of an operator in which the usual arithmetic conversions	wm8978_set_lout2_speaker_volume_zero_cross()	Low	Justified	Embedded	

4		are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
125 8	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_lout2_speaker_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
764	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_lout2_speaker_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
516	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_lout2_left_speaker_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
119 4	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_lout2_left_speaker_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
231	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_lout2_left_speaker_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
112 9	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_lout2_left_speaker_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
673	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while	wm8978_set_lout2_left_speaker_output_mute()	Low	Justified	Embedded drivers need this method	

		the right operand has essentially enum type.				to set or clear some bits and drivers guarantee the safety of the operation.
113 2	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_lout2_left_speaker_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
113 9	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_lout2_left_speaker_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
113 1	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_lout2_left_speaker_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
166 1	5.1	External identifiers shall be distinct.  External function <code>wm8978_set_lout2_left_speaker_output_volume</code> conflicts with the external identifier <code>wm8978_set_lout2_left_speaker_output_mute</code> ( <code>driver_wm8978.c</code> line 8427).	File Scope		Low	Justified	Distinct.
117 3	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	<code>wm8978_set_lout2_left_speaker_output_volume()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
125 5	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the <code>&amp;=</code> operator is of an inappropriate essential type category signed.	<code>wm8978_set_lout2_left_speaker_output_volume()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
114 8	10.1	Operands shall not be of an inappropriate essential type.  The operand of the <code>~</code> operator is of an inappropriate essential type category signed.	<code>wm8978_set_lout2_left_speaker_output_volume()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

114 7	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_lout2_left_speaker_output_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
115 3	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_lout2_left_speaker_output_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
123 5	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_lout2_left_speaker_output_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
125 3	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category signed shall not be cast to the different essential type category unsigned.	wm8978_lout2_left_speaker_output_volume_convert_to_register()	Low	Justified	We use enumeration to define driver configuration, which is a

						friendly programming method and should be accepted and drivers guarantee the safety of the operation.	
145 9	5.1	External identifiers shall be distinct.  External function  wm8978_lout2_left_speaker_output_volume_convert_to_data conflicts with the external identifier  wm8978_lout2_left_speaker_output_volume_convert_to_register (driver_wm8978.c line 8524).	File Scope		Low	Justified	Distinct.
181 7	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.  Pointer may be NULL or may point to unknown memory.	wm8978_lout2_left_speaker_output_volume_convert_to_data()		Low	Justified	(handle == NULL)checked.
181 8	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.  Pointer may be NULL or may point to unknown memory.	wm8978_lout2_left_speaker_output_volume_convert_to_data()		Low	Justified	(handle == NULL)checked.
904	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category unsigned shall not be cast to the different essential type category signed.	wm8978_lout2_left_speaker_output_volume_convert_to_data()		Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.

570	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_rout2_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
126 7	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_rout2_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
102	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_rout2_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
5	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_rout2_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
396	12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	wm8978_set_rout2_update()		Low	Justified	We use this function to convert driver settings. Developers need to refer to the data manual to convert settings.
116 2	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_rout2_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
133 9	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_rout2_update()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
135	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_rout2_update()		Low	Justified	Embedded

1		The right operand of the  = operator is of an inappropriate essential type category enum.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
38	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_rout2_update()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
589	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_rout2_speaker_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
110 1	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_rout2_speaker_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
115 7	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_rout2_speaker_volume_zero_cross()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
976	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_rout2_speaker_volume_zero_cross()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
710	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_rout2_speaker_volume_zero_cross()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
100 8	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_rout2_speaker_volume_zero_cross()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
118 7	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_rout2_speaker_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
115 8	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_rout2_speaker_volume_zero_cross()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
116 5	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_rout2_right_speaker_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
139 6	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_rout2_right_speaker_output_mute()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
116 3	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_rout2_right_speaker_output_mute()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
533	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_rout2_right_speaker_output_mute()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
830	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_rout2_right_speaker_output_mute()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
116 9	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_rout2_right_speaker_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
124 8	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_rout2_right_speaker_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
709	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_rout2_right_speaker_output_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

171 4	5.1	External identifiers shall be distinct.  External function <code>wm8978_set_rout2_right_speaker_output_volume</code> conflicts with the external identifier <code>wm8978_set_rout2_right_speaker_output_mute</code> ( <code>driver_wm8978.c</code> line 8668).	File Scope		Low	Justified	Distinct.
123 9	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the <code>&amp;=</code> operator is of an inappropriate essential type category signed.	<code>wm8978_set_rout2_right_speaker_output_volume()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
129 1	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	<code>wm8978_set_rout2_right_speaker_output_volume()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
106 0	10.1	Operands shall not be of an inappropriate essential type.  The operand of the <code>~</code> operator is of an inappropriate essential type category signed.	<code>wm8978_set_rout2_right_speaker_output_volume()</code>		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
117	10.1	Operands shall not be of an inappropriate essential type.	<code>wm8978_set_rout2_right_speaker_output_volume()</code>		Low	Justified	Embedded

4		The left operand of the << operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
731	10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.  The left operand of the  = operator shall not have wider essential type (unsigned on 16 bits) than the right operand (unsigned on 8 bits) which is a composite expression	wm8978_set_rout2_right_speaker_output_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
121 3	10.6	The value of a composite expression shall not be assigned to an object with wider essential type.  The composite expression (of essential type unsigned on 8 bits) is assigned to an object with a wider essential type (unsigned on 16 bits)	wm8978_set_rout2_right_speaker_output_volume()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
120 9	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category signed shall not be cast to the different essential type category unsigned.	wm8978_rout2_right_speaker_output_volume_convert_to_register()	Low	Justified	We use enumeration to define driver configuration, which is a friendly programming

							g method and should be accepted and drivers guarantee the safety of the operation.
143 8	5.1	External identifiers shall be distinct.  External function  wm8978_rout2_right_speaker_output_volume_convert_to_data conflicts with the external identifier  wm8978_rout2_right_speaker_output_volume_convert_to_register (driver_wm8978.c line 8765).	File Scope		Low	Justified	Distinct.
181 9	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.  Pointer may be NULL or may point to unknown memory.	wm8978_rout2_right_speaker_output_volume_convert_to_data()		Low	Justified	(handle == NULL)checked.
182 0	D4.14	The validity of values received from external sources shall be checked.  Dereferenced pointer is from an unsecure source.  Pointer may be NULL or may point to unknown memory.	wm8978_rout2_right_speaker_output_volume_convert_to_data()		Low	Justified	(handle == NULL)checked.
122 3	10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.  The value of the composite expression of essential type category unsigned shall not be cast to the different essential type category signed.	wm8978_rout2_right_speaker_output_volume_convert_to_data()		Low	Justified	We use enumeration to define driver configuration, which is a friendly programming method and should be accepted and drivers guarantee the safety of the operation.
827	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an	wm8978_set_out3_mute()		Low	Justified	Embedded drivers need this method

		object with a different essential type category (unsigned)				to set or clear some bits and drivers guarantee the safety of the operation.
138 2	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_out3_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
127 6	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_out3_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
127 2	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_out3_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the

							operation.
483	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out3_mute()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
879	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_out3_mute()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
126 8	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_out3_mute()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
78	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_out3_mute()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
357	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out4_mixer_output_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
118 5	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_out4_mixer_output_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
125 0	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_out4_mixer_output_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

118 1	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_out4_mixer_output_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
122 9	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_out4_mixer_output_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
126 2	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_out4_mixer_output_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
138 5	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out4_mixer_output_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
119 1	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_out4_mixer_output_to_out3()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
712	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_adc_input_to_out3()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
100 0	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_adc_input_to_out3()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
119	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_left_adc_input_to_out3()		Low	Justified	Embedded

9		The operand of the ~ operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
119 2	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_adc_input_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
232	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_adc_input_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
908	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_adc_input_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
124 7	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_adc_input_to_out3()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
120 0	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_adc_input_to_out3()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
723	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_dac_mixer_to_out3()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
129 0	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_mixer_to_out3()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
123 6	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_mixer_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
663	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_mixer_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
283	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_dac_mixer_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
123 7	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_dac_mixer_to_out3()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
141 8	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_dac_mixer_to_out3()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
130 4	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_dac_mixer_to_out3()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
644	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_dac_output_to_out3()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
121 7	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_output_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
121 2	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_output_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
140 0	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_output_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

123 3	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_dac_output_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
132 8	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_dac_output_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
141 2	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_dac_output_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
122 1	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_dac_output_to_out3()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
124 9	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_out4_mute()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
135 0	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out4_mute()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
124 2	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_out4_mute()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
622	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_out4_mute()		Low	Justified	Embedded

		The left operand of the << operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
117	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_out4_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
871	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_out4_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
128 3	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out4_mute()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
132 1	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_out4_mute()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
470	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out4_attenuated_by_6db()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
125 1	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_out4_attenuated_by_6db()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
102 9	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_out4_attenuated_by_6db()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
497	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_out4_attenuated_by_6db()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
126 1	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_out4_attenuated_by_6db()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
126 5	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_out4_attenuated_by_6db()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

129 4	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_out4_attenuated_by_6db()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
269	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_out4_attenuated_by_6db()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
168 5	5.1	External identifiers shall be distinct.  External function wm8978_set_left_dac_mixer_to_out4 conflicts with the external identifier wm8978_set_left_dac_mixer_to_out3 (driver_wm8978.c line 8954).	File Scope	Low	Justified	Distinct.
274	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_mixer_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

127 0	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_dac_mixer_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
463	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_mixer_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
133 2	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_mixer_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
735	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_dac_mixer_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
127 3	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_dac_mixer_to_out4()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
134 8	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_dac_mixer_to_out4()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
338	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_dac_mixer_to_out4()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
411	10.1	Operands shall not be of an inappropriate essential type.	wm8978_set_left_dac_to_out4()		Low	Justified	Embedded

		The right operand of the &= operator is of an inappropriate essential type category signed.			ed	drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
134 3	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_dac_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
136 1	10.1	Operands shall not be of an inappropriate essential type.  The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
958	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_left_dac_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee

							the safety of the operation.
120 6	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.  The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_left_dac_to_out4()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
128 2	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_left_dac_to_out4()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
132 4	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_left_dac_to_out4()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
112	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_left_dac_to_out4()		Low	Justified	Embedded drivers need this method

							to set or clear some bits and drivers guarantee the safety of the operation.
128 9	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_adc_input_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
131 9	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_adc_input_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
200	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_adc_input_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the	

							operation.
302	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_adc_input_to_out4()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
538	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_adc_input_to_out4()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
715	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_adc_input_to_out4()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
131 1	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_adc_input_to_out4()		Low	Justified	Embedded drivers need this method to set or clear some

							bits and drivers guarantee the safety of the operation.
130 9	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_adc_input_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
378	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_dac_mixer_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	
142 2	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_dac_mixer_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.	

130 8	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_dac_mixer_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
643	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_dac_mixer_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
350	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category. The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_dac_mixer_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
136 2	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_dac_mixer_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and

							drivers guarantee the safety of the operation.
136 5	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_dac_mixer_to_out4()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
134 5	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_dac_mixer_to_out4()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
150 9	5.1	External identifiers shall be distinct. External function wm8978_set_right_dac_output_to_out4 conflicts with the external identifier wm8978_set_right_dac_output_to_left_output_mixer (driver_wm8978.c line 6891).	File Scope		Low	Justified	Distinct.
137 1	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_set_right_dac_output_to_out4()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers

						guarantee the safety of the operation.
137 5	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_set_right_dac_output_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
573	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_set_right_dac_output_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
142 0	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_set_right_dac_output_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
794	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.	wm8978_set_right_dac_output_to_out4()	Low	Justified	Embedded drivers need

		The expression (of essential type category enum) is assigned to an object with a different essential type category (unsigned)				this method to set or clear some bits and drivers guarantee the safety of the operation.
138 8	10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.  The left operand of the  = operator has essentially unsigned type while the right operand has essentially enum type.	wm8978_set_right_dac_output_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
139 3	10.1	Operands shall not be of an inappropriate essential type.  The right operand of the  = operator is of an inappropriate essential type category enum.	wm8978_set_right_dac_output_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
138 4	10.1	Operands shall not be of an inappropriate essential type.  The left operand of the << operator is of an inappropriate essential type category enum.	wm8978_set_right_dac_output_to_out4()	Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.

							the operation.
182	10.1	Operands shall not be of an inappropriate essential type. The right operand of the &= operator is of an inappropriate essential type category signed.	wm8978_deinit()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
141 4	10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category. The expression (of essential type category signed) is assigned to an object with a different essential type category (unsigned)	wm8978_deinit()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
140 9	10.1	Operands shall not be of an inappropriate essential type. The operand of the ~ operator is of an inappropriate essential type category signed.	wm8978_deinit()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
140 6	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_deinit()		Low	Justified	Embedded drivers need this method to set or

							clear some bits and drivers guarantee the safety of the operation.
105 3	10.1	Operands shall not be of an inappropriate essential type. The right operand of the  = operator is of an inappropriate essential type category signed.	wm8978_deinit()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
142 6	10.1	Operands shall not be of an inappropriate essential type. The left operand of the << operator is of an inappropriate essential type category signed.	wm8978_deinit()		Low	Justified	Embedded drivers need this method to set or clear some bits and drivers guarantee the safety of the operation.
182 1	D4.14	The validity of values received from external sources shall be checked. Dereferenced pointer is from an unsecure source. Pointer may be NULL or may point to unknown memory.	wm8978_set_reg()		Low	Justified	(handle == NULL)checked.
182 2	D4.14	The validity of values received from external sources shall be checked. Dereferenced pointer is from an unsecure source. Pointer may be NULL or may point to unknown memory.	wm8978_info()		Low	Justified	(handle == NULL)checked.

Table 2.4. E:\Github\wm8978\src\driver\_wm8978.h

ID	Guideline	Message	Function	Severity	Status	Comment
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1695	5.1	External identifiers shall be distinct. External function wm8978_set_right_channel_input_pga conflicts with the external identifier wm8978_set_right_channel_input_boost (driver_wm8978.c line 721).	File Scope	Low	Justified	Distinct.
1616	5.1	External identifiers shall be distinct. External function wm8978_set_notch_filter_a0_coefficient_bit_6_0 conflicts with the external identifier wm8978_set_notch_filter_a0_coefficient_bit_13_7 (driver_wm8978.c line 4234).	File Scope	Low	Justified	Distinct.
1727	5.1	External identifiers shall be distinct. External function wm8978_set_notch_filter_a1_coefficient_bit_6_0 conflicts with the external identifier wm8978_set_notch_filter_a1_coefficient_bit_13_7 (driver_wm8978.c line 4344).	File Scope	Low	Justified	Distinct.
1751	5.1	External identifiers shall be distinct. External function wm8978_alc_hold_time_convert_to_data conflicts with the external identifier wm8978_alc_hold_time_convert_to_register (driver_wm8978.c line 4639).	File Scope	Low	Justified	Distinct.
1687	5.1	External identifiers shall be distinct. External function wm8978_alc_noise_gate_threshold_convert_to_data conflicts with the external identifier wm8978_alc_noise_gate_threshold_convert_to_register (driver_wm8978.c line 4984).	File Scope	Low	Justified	Distinct.
1607	5.1	External identifiers shall be distinct. External function wm8978_set_right_channel_input_pga_positive conflicts with the external identifier wm8978_set_right_channel_input_boost (driver_wm8978.c line 721).	File Scope	Low	Justified	Distinct.
1693	5.1	External identifiers shall be distinct. External function wm8978_set_right_channel_input_pga_negative conflicts with the external identifier wm8978_set_right_channel_input_boost (driver_wm8978.c line 721).	File Scope	Low	Justified	Distinct.
1749	5.1	External identifiers shall be distinct. External function wm8978_set_right_channel_input_pga_amplifier_positive conflicts with the external identifier wm8978_set_right_channel_input_boost (driver_wm8978.c line 721).	File Scope	Low	Justified	Distinct.
1647	5.1	External identifiers shall be distinct. External function wm8978_set_left_channel_input_pga_positive conflicts with the external identifier wm8978_set_left_channel_input_pga (driver_wm8978.c line 856).	File Scope	Low	Justified	Distinct.
1753	5.1	External identifiers shall be distinct. External function wm8978_set_left_channel_input_pga_negative conflicts with the external identifier wm8978_set_left_channel_input_pga (driver_wm8978.c line 856).	File Scope	Low	Justified	Distinct.

1650	5.1	External identifiers shall be distinct. External function wm8978_set_left_channel_input_pga_amplifier_positive conflicts with the external identifier wm8978_set_left_channel_input_pga (driver_wm8978.c line 856).	File Scope	Low	Justified	Distinct.
1465	5.1	External identifiers shall be distinct. External function wm8978_set_left_channel_input_pga_zero_cross conflicts with the external identifier wm8978_set_left_channel_input_pga (driver_wm8978.c line 856).	File Scope	Low	Justified	Distinct.
1709	5.1	External identifiers shall be distinct. External function wm8978_set_left_channel_input_pga_mute conflicts with the external identifier wm8978_set_left_channel_input_pga (driver_wm8978.c line 856).	File Scope	Low	Justified	Distinct.
1777	5.1	External identifiers shall be distinct. External function wm8978_set_left_channel_input_pga_volume conflicts with the external identifier wm8978_set_left_channel_input_pga (driver_wm8978.c line 856).	File Scope	Low	Justified	Distinct.
1676	5.1	External identifiers shall be distinct. External function wm8978_left_channel_input_pga_volume_convert_to_data conflicts with the external identifier wm8978_left_channel_input_pga_volume_convert_to_register (driver_wm8978.c line 6037).	File Scope	Low	Justified	Distinct.
1655	5.1	External identifiers shall be distinct. External function wm8978_set_right_channel_input_pga_zero_cross conflicts with the external identifier wm8978_set_right_channel_input_boost (driver_wm8978.c line 721).	File Scope	Low	Justified	Distinct.
1766	5.1	External identifiers shall be distinct. External function wm8978_set_right_channel_input_pga_mute conflicts with the external identifier wm8978_set_right_channel_input_boost (driver_wm8978.c line 721).	File Scope	Low	Justified	Distinct.
1694	5.1	External identifiers shall be distinct. External function wm8978_set_right_channel_input_pga_volume conflicts with the external identifier wm8978_set_right_channel_input_boost (driver_wm8978.c line 721).	File Scope	Low	Justified	Distinct.
1736	5.1	External identifiers shall be distinct. External function wm8978_right_channel_input_pga_volume_convert_to_data conflicts with the external identifier wm8978_right_channel_input_pga_volume_convert_to_register (driver_wm8978.c line 6278).	File Scope	Low	Justified	Distinct.
1540	5.1	External identifiers shall be distinct.	File Scope	Low	Justified	Distinct.

		External function wm8978_set_left_channel_input_pga_boost conflicts with the external identifier wm8978_set_left_channel_input_pga (driver_wm8978.c line 856).				
1776	5.1	External identifiers shall be distinct. External function wm8978_set_left_channel_input_boost_stage conflicts with the external identifier wm8978_set_left_channel_input_boost (driver_wm8978.c line 766).	File Scope	Low	Justified	Distinct.
1770	5.1	External identifiers shall be distinct. External function wm8978_left_channel_input_boost_stage_convert_to_data conflicts with the external identifier wm8978_left_channel_input_boost_stage_convert_to_register (driver_wm8978.c line 6429).	File Scope	Low	Justified	Distinct.
1724	5.1	External identifiers shall be distinct. External function wm8978_auxiliary_amplifier_left_channel_input_boost_stage_convert_to_data conflicts with the external identifier wm8978_auxiliary_amplifier_left_channel_input_boost_stage_convert_to_register (driver_wm8978.c line 6535).	File Scope	Low	Justified	Distinct.
1739	5.1	External identifiers shall be distinct. External function wm8978_set_right_channel_input_pga_boost conflicts with the external identifier wm8978_set_right_channel_input_boost (driver_wm8978.c line 721).	File Scope	Low	Justified	Distinct.
1701	5.1	External identifiers shall be distinct. External function wm8978_set_right_channel_input_boost_stage conflicts with the external identifier wm8978_set_right_channel_input_boost (driver_wm8978.c line 721).	File Scope	Low	Justified	Distinct.
1737	5.1	External identifiers shall be distinct. External function wm8978_right_channel_input_boost_stage_convert_to_data conflicts with the external identifier wm8978_right_channel_input_boost_stage_convert_to_register (driver_wm8978.c line 6686).	File Scope	Low	Justified	Distinct.
1626	5.1	External identifiers shall be distinct. External function wm8978_set_auxiliary_amplifier_right_channel_input_boost_stage conflicts with the external identifier wm8978_set_auxiliary_amplifier_left_channel_input_boost_stage (driver_wm8978.c line 6484).	File Scope	Low	Justified	Distinct.
1443	5.1	External identifiers shall be distinct. External function wm8978_auxiliary_amplifier_right_channel_input_boost_stage_convert_to_data	File Scope	Low	Justified	Distinct.

		conflicts with the external identifier wm8978_auxiliary_amplifier_right_channel_input_boost_stage_convert_to_register (driver_wm8978.c line 6792).				
1732	5.1	External identifiers shall be distinct.  External function wm8978_aux_left_channel_input_to_left_mixer_volume_convert_to_data conflicts with the external identifier wm8978_aux_left_channel_input_to_left_mixer_volume_convert_to_register (driver_wm8978.c line 7213).	File Scope	Low	Justified	Distinct.
1674	5.1	External identifiers shall be distinct.  External function wm8978_left_bypass_volume_control_to_output_channel_mixer_convert_to_data conflicts with the external identifier wm8978_left_bypass_volume_control_to_output_channel_mixer_convert_to_register (driver_wm8978.c line 7364).	File Scope	Low	Justified	Distinct.
1745	5.1	External identifiers shall be distinct.  External function wm8978_aux_right_channel_input_to_right_mixer_volume_convert_to_data conflicts with the external identifier wm8978_aux_right_channel_input_to_right_mixer_volume_convert_to_register (driver_wm8978.c line 7560).	File Scope	Low	Justified	Distinct.
1728	5.1	External identifiers shall be distinct.  External function wm8978_right_bypass_volume_control_to_output_channel_mixer_convert_to_data conflicts with the external identifier wm8978_right_bypass_volume_control_to_output_channel_mixer_convert_to_register (driver_wm8978.c line 7711).	File Scope	Low	Justified	Distinct.
1665	5.1	External identifiers shall be distinct.  External function wm8978_set_right_dac_output_to_right_output_mixer conflicts with the external identifier wm8978_set_right_dac_output_to_left_output_mixer (driver_wm8978.c line 6891).	File Scope	Low	Justified	Distinct.
1663	5.1	External identifiers shall be distinct.  External function wm8978_set_lout1_left_headphone_output_volume conflicts with the external identifier wm8978_set_lout1_left_headphone_output_mute (driver_wm8978.c line 7945).	File Scope	Low	Justified	Distinct.
1662	5.1	External identifiers shall be distinct.  External function wm8978_lout1_left_headphone_output_volume_convert_to_data conflicts with the external identifier	File Scope	Low	Justified	Distinct.

		wm8978_lout1_left_headphone_output_volume_convert_to_register (driver_wm8978.c line 8042).				
1673	5.1	External identifiers shall be distinct. External function wm8978_set_rout1_right_headphone_output_volume conflicts with the external identifier wm8978_set_rout1_right_headphone_output_mute (driver_wm8978.c line 8186).	File Scope	Low	Justified	Distinct.
1764	5.1	External identifiers shall be distinct. External function wm8978_rout1_right_headphone_output_volume_convert_to_data conflicts with the external identifier wm8978_rout1_right_headphone_output_volume_convert_to_register (driver_wm8978.c line 8283).	File Scope	Low	Justified	Distinct.
1659	5.1	External identifiers shall be distinct. External function wm8978_set_lout2_left_speaker_output_volume conflicts with the external identifier wm8978_set_lout2_left_speaker_output_mute (driver_wm8978.c line 8427).	File Scope	Low	Justified	Distinct.
1689	5.1	External identifiers shall be distinct. External function wm8978_lout2_left_speaker_output_volume_convert_to_data conflicts with the external identifier wm8978_lout2_left_speaker_output_volume_convert_to_register (driver_wm8978.c line 8524).	File Scope	Low	Justified	Distinct.
1530	5.1	External identifiers shall be distinct. External function wm8978_set_rout2_right_speaker_output_volume conflicts with the external identifier wm8978_set_rout2_right_speaker_output_mute (driver_wm8978.c line 8668).	File Scope	Low	Justified	Distinct.
1506	5.1	External identifiers shall be distinct. External function wm8978_rout2_right_speaker_output_volume_convert_to_data conflicts with the external identifier wm8978_rout2_right_speaker_output_volume_convert_to_register (driver_wm8978.c line 8765).	File Scope	Low	Justified	Distinct.
1551	5.1	External identifiers shall be distinct. External function wm8978_set_left_dac_mixer_to_out4 conflicts with the external identifier wm8978_set_left_dac_mixer_to_out3 (driver_wm8978.c line 8954).	File Scope	Low	Justified	Distinct.
1765	5.1	External identifiers shall be distinct. External function wm8978_set_right_dac_output_to_out4 conflicts with the external identifier wm8978_set_right_dac_output_to_left_output_mixer (driver_wm8978.c line 6891).	File Scope	Low	Justified	Distinct.

# **Chapter 3. Defects**

## **Defects**

No defects were found.

# Chapter 4. Appendix 1 - Configuration Settings

## Polyspace Settings

Option	Value
-author	LibDriver
-bug-finder	true
-checkers	ALIGNMENT_CHANGE, ASSERT, ATOMIC_VAR_ACCESS_TWICE, ATOMIC_VAR_SEQUENCE_NOT_ATOMIC, BAD_EQUAL_EQUAL_USE, BAD_EQUAL_USE, BAD_FREE, BAD_LOCK, BAD_PTR_SCALING, BAD_UNLOCK, CHARACTER_MISUSE, CHAR_EOF_CONFUSED, CLOSED_RESOURCE_USE, CONSTANT_OBJECT_WRITE, DATA_RACE, DATA_RACE_STD_LIB, DEADLOCK, DECL_MISMATCH, DOUBLE_DEALLOCATION, DOUBLE_LOCK, DOUBLE_RESOURCE_CLOSE, DOUBLE_RESOURCE_OPEN, DOUBLE_UNLOCK, ERRNO_MISUSE, FILE_OBJECT_MISUSE, FLEXIBLE_ARRAY_MEMBER_STRUCT_MISUSE, FLOAT_ABSORPTION, FLOAT_CONV_OVFL, FLOAT_STD_LIB, FLOAT_ZERO_DIV, FREED_PTR, FUNC_CAST, IMPROPER_ARRAY_INIT, INLINE_CONSTRAINT_NOT.Respected, INT_CONV_OVFL, INT_STD_LIB, INT_ZERO_DIV, INVALID_ENV_POINTER, INVALID_MEMORY_ASSUMPTION, INVALID_VA_LIST_ARG, IO_INTERLEAVING, LOCAL_ADDR_ESCAPE, MACRO_USED_AS_OBJECT, MEMCMP_PADDING_DATA, MEMCMP_STRINGS, MEM_STD_LIB, MISSING_ERRNO_RESET, MISSING_NULL_CHAR, MISSING_RETURN, NON_INIT_PTR, NON_INIT_VAR, NON_POSITIVE_VLA_SIZE, NULL_PTR, OPERATOR_PRECEDENCE, OTHER_STD_LIB, OUT_BOUND_ARRAY, OUT_BOUND_PTR, PARTIALLY_ACCESSED_ARRAY, PRE_DIRECTIVE_MACRO_ARG, PRE_UCNAME_JOIN_TOKENS, PTR_CAST, PTR_SIZEOF_MISMATCH, PTR_TO_DIFF_ARRAY, PUTENV_AUTO_VAR, READ_ONLY_RESOURCE_WRITE, RESOURCE_LEAK, SIDE_EFFECT_IGNORED, SIG_HANDLER_CALLING_SIGNAL, SIG_HANDLER_COMP_EXCP_RETURN, SIG_HANDLER_ERRNO_MISUSE, SIG_HANDLER_SHARED_OBJECT, SIZEOF_MISUSE, STD_FUNC_ARG_MISMATCH, STREAM_WITH_SIDE_EFFECT, STRING_FORMAT, STRLIB_BUFFER_OVERFLOW, STRLIB_BUFFER_UNDERFLOW, STR_FORMAT_BUFFER_OVERFLOW, STR_STD_LIB, TEMP_OBJECT_ACCESS, TOO_MANY_VA_ARG_CALLS, TYPEDEF_MISMATCH, UINT_CONV_OVFL, UNPROTOTYPED_FUNC_CALL, UNREACHABLE, USELESS_IF, USELESS_WRITE, VAR_SHADOWING, VA_ARG_INCORRECT_TYPE, VA_START_INCORRECT_TYPE, VA_START_MISUSE
-compiler	iar
-D	__TID__=14,__SIZE_T_TYPE__=unsigned int,__PTRDIFF_T_TYPE__=signed int,__IAR_SYSTEMS_ICC=1
-date	27/08/2023
-dos	true
-I	E:\Github\wm8978\src,E:\Github\wm8978\interface,E:\Github\wm8978\example,E:\Github\wm8978\test
-import-comments	E:\Polyspace\wm8978\Module\BF_Result\comments_bak
-lang	C

-little-endian	true
-logical-signed-right-shift	true
-misra3	mandatory-required
-prog	wm8978
-results-dir	E:\Polyspace\wm8978\Module\BF_Result
-sfr-types	sfr8=8,sfr16=16,sfr32=32,sfr=8
-target	mcpu
-verif-version	1.0

## Coding Standard Configuration

Table 4.1. MISRA C:2012 Guidelines Configuration

Guideline	Description	Mode	Comment	Enabled
D1.1	Any implementation-defined behaviour on which the output of the program depends shall be documented and understood.	required	-	yes
D2.1	All source files shall compile without any compilation errors.	required	-	yes
D3.1	All code shall be traceable to documented requirements.	required	Not enforceable	no
D4.1	Run-time failures shall be minimized.	required	-	yes
D4.2	All usage of assembly language should be documented.	advisory	Not enforceable	no
D4.3	Assembly language shall be encapsulated and isolated.	required	-	yes
D4.4	Sections of code should not be "commented out".	advisory	Not implemented	no
D4.5	Identifiers in the same name space with overlapping visibility should be typographically unambiguous.	advisory	-	no
D4.6	typedefs that indicate size and signedness should be used in place of the basic numerical types.	advisory	-	no
D4.7	If a function returns error information, then that error information shall be tested.	required	-	yes
D4.8	If a pointer to a structure or union is never dereferenced within a translation unit, then the implementation of the object should be hidden.	advisory	-	no
D4.9	A function should be used in preference to a function-like macro where they are interchangeable.	advisory	-	no
D4.10	Precautions shall be taken in order to prevent the contents of a header file being included more than once.	required	-	yes

D4.11	The validity of values passed to library functions shall be checked.	required	-	yes
D4.12	Dynamic memory allocation shall not be used.	required	-	yes
D4.13	Functions which are designed to provide operations on a resource should be called in an appropriate sequence.	advisory	-	no
D4.14	The validity of values received from external sources shall be checked.	required	-	yes
1.1	The program shall contain no violations of the standard C syntax and constraints, and shall not exceed the implementation's translation limits.	required	-	yes
1.2	Language extensions should not be used.	advisory	-	no
1.3	There shall be no occurrence of undefined or critical unspecified behaviour.	required	-	yes
2.1	A project shall not contain unreachable code.	required	-	yes
2.2	There shall be no dead code.	required	-	yes
2.3	A project should not contain unused type declarations.	advisory	-	no
2.4	A project should not contain unused tag declarations.	advisory	-	no
2.5	A project should not contain unused macro declarations.	advisory	-	no
2.6	A function should not contain unused label declarations.	advisory	-	no
2.7	There should be no unused parameters in functions.	advisory	-	no
3.1	The character sequences /* and // shall not be used within a comment.	required	-	yes
3.2	Line-splicing shall not be used in // comments.	required	-	yes
4.1	Octal and hexadecimal escape sequences shall be terminated.	required	-	yes
4.2	Trigraphs should not be used.	advisory	-	no
5.1	External identifiers shall be distinct.	required	-	yes
5.2	Identifiers declared in the same scope and name space shall be distinct.	required	-	yes
5.3	An identifier declared in an inner scope shall not hide an identifier declared in an outer scope.	required	-	yes
5.4	Macro identifiers shall be distinct.	required	-	yes
5.5	Identifiers shall be distinct from macro names.	required	-	yes
5.6	A typedef name shall be a unique identifier.	required	-	yes
5.7	A tag name shall be a unique identifier.	required	-	yes
5.8	Identifiers that define objects or functions with external linkage shall be unique.	required	-	yes

5.9	Identifiers that define objects or functions with internal linkage should be unique.	advisory	-	no
6.1	Bit-fields shall only be declared with an appropriate type.	required	-	yes
6.2	Single-bit named bit fields shall not be of a signed type.	required	-	yes
7.1	Octal constants shall not be used.	required	-	yes
7.2	A "u" or "U" suffix shall be applied to all integer constants that are represented in an unsigned type.	required	-	yes
7.3	The lowercase character "l" shall not be used in a literal suffix.	required	-	yes
7.4	A string literal shall not be assigned to an object unless the object's type is "pointer to const-qualified char".	required	-	yes
8.1	Types shall be explicitly specified.	required	-	yes
8.2	Function types shall be in prototype form with named parameters.	required	-	yes
8.3	All declarations of an object or function shall use the same names and type qualifiers.	required	-	yes
8.4	A compatible declaration shall be visible when an object or function with external linkage is defined.	required	-	yes
8.5	An external object or function shall be declared once in one and only one file.	required	-	yes
8.6	An identifier with external linkage shall have exactly one external definition.	required	-	yes
8.7	Functions and objects should not be defined with external linkage if they are referenced in only one translation unit.	advisory	-	no
8.8	The static storage class specifier shall be used in all declarations of objects and functions that have internal linkage.	required	-	yes
8.9	An object should be defined at block scope if its identifier only appears in a single function.	advisory	-	no
8.10	An inline function shall be declared with the static storage class.	required	-	yes
8.11	When an array with external linkage is declared, its size should be explicitly specified.	advisory	-	no
8.12	Within an enumerator list, the value of an implicitly-specified enumeration constant shall be unique.	required	-	yes
8.13	A pointer should point to a const-qualified type whenever possible.	advisory	-	no
8.14	The restrict type qualifier shall not be used.	required	-	yes
9.1	The value of an object with automatic storage duration shall not be read before it has been set.	mandatory	-	yes
9.2	The initializer for an aggregate or union shall be enclosed in braces.	required	-	yes
9.3	Arrays shall not be partially initialized.	required	-	yes
9.4	An element of an object shall not be initialized more than once.	required	-	yes

9.5	Where designated initializers are used to initialize an array object the size of the array shall be specified explicitly.	required	-	yes
10.1	Operands shall not be of an inappropriate essential type.	required	-	yes
10.2	Expressions of essentially character type shall not be used inappropriately in addition and subtraction operations.	required	-	yes
10.3	The value of an expression shall not be assigned to an object with a narrower essential type or of a different essential type category.	required	-	yes
10.4	Both operands of an operator in which the usual arithmetic conversions are performed shall have the same essential type category.	required	-	yes
10.5	The value of an expression should not be cast to an inappropriate essential type.	advisory	-	no
10.6	The value of a composite expression shall not be assigned to an object with wider essential type.	required	-	yes
10.7	If a composite expression is used as one operand of an operator in which the usual arithmetic conversions are performed then the other operand shall not have wider essential type.	required	-	yes
10.8	The value of a composite expression shall not be cast to a different essential type category or a wider essential type.	required	-	yes
11.1	Conversions shall not be performed between a pointer to a function and any other type.	required	-	yes
11.2	Conversions shall not be performed between a pointer to an incomplete type and any other type.	required	-	yes
11.3	A cast shall not be performed between a pointer to object type and a pointer to a different object type.	required	-	yes
11.4	A conversion should not be performed between a pointer to object and an integer type.	advisory	-	no
11.5	A conversion should not be performed from pointer to void into pointer to object.	advisory	-	no
11.6	A cast shall not be performed between pointer to void and an arithmetic type.	required	-	yes
11.7	A cast shall not be performed between pointer to object and a non-integer arithmetic type.	required	-	yes
11.8	A cast shall not remove any const or volatile qualification from the type pointed to by a pointer.	required	-	yes
11.9	The macro NULL shall be the only permitted form of integer null pointer constant.	required	-	yes
12.1	The precedence of operators within expressions should be made explicit.	advisory	-	no
12.2	The right hand operand of a shift operator shall lie in the range zero to one less than the width in bits of the essential type of the left hand operand.	required	-	yes
12.3	The comma operator should not be used	advisory	-	no
12.4	Evaluation of constant expressions should not lead to unsigned integer wrap-around.	advisory	-	no
12.5	The sizeof operator shall not have an operand which is a function parameter declared as "array of	mandatory	-	yes

	type".			
13.1	Initializer lists shall not contain persistent side effects.	required	-	yes
13.2	The value of an expression and its persistent side effects shall be the same under all permitted evaluation orders.	required	-	yes
13.3	A full expression containing an increment (++) or decrement (--) operator should have no other potential side effects other than that caused by the increment or decrement operator.	advisory	-	no
13.4	The result of an assignment operator should not be used.	advisory	-	no
13.5	The right hand operand of a logical && or    operator shall not contain persistent side effects.	required	-	yes
13.6	The operand of the sizeof operator shall not contain any expression which has potential side effects.	mandatory	-	yes
14.1	A loop counter shall not have essentially floating type.	required	-	yes
14.2	A for loop shall be well-formed.	required	-	yes
14.3	Controlling expressions shall not be invariant.	required	-	yes
14.4	The controlling expression of an if statement and the controlling expression of an iteration-statement shall have essentially Boolean type.	required	-	yes
15.1	The goto statement should not be used.	advisory	-	no
15.2	The goto statement shall jump to a label declared later in the same function.	required	-	yes
15.3	Any label referenced by a goto statement shall be declared in the same block, or in any block enclosing the goto statement.	required	-	yes
15.4	There should be no more than one break or goto statement used to terminate any iteration statement.	advisory	-	no
15.5	A function should have a single point of exit at the end.	advisory	-	no
15.6	The body of an iteration-statement or a selection-statement shall be a compound-statement.	required	-	yes
15.7	All if ... else if constructs shall be terminated with an else statement.	required	-	yes
16.1	All switch statements shall be well-formed.	required	-	yes
16.2	A switch label shall only be used when the most closely-enclosing compound statement is the body of a switch statement.	required	-	yes
16.3	An unconditional break statement shall terminate every switch-clause.	required	-	yes
16.4	Every switch statement shall have a default label.	required	-	yes
16.5	A default label shall appear as either the first or the last switch label of a switch statement.	required	-	yes
16.6	Every switch statement shall have at least two switch-clauses.	required	-	yes

16.7	A switch-expression shall not have essentially Boolean type.	required	-	yes
17.1	The features of <stdarg.h> shall not be used.	required	-	yes
17.2	Functions shall not call themselves, either directly or indirectly.	required	-	yes
17.3	A function shall not be declared implicitly.	mandatory	-	yes
17.4	All exit paths from a function with non-void return type shall have an explicit return statement with an expression.	mandatory	-	yes
17.5	The function argument corresponding to a parameter declared to have an array type shall have an appropriate number of elements.	advisory	-	no
17.6	The declaration of an array parameter shall not contain the static keyword between the [ ].	mandatory	-	yes
17.7	The value returned by a function having non-void return type shall be used.	required	-	yes
17.8	A function parameter should not be modified.	advisory	-	no
18.1	A pointer resulting from arithmetic on a pointer operand shall address an element of the same array as that pointer operand.	required	-	yes
18.2	Subtraction between pointers shall only be applied to pointers that address elements of the same array.	required	-	yes
18.3	The relational operators >, >=, < and <= shall not be applied to objects of pointer type except where they point into the same object.	required	-	yes
18.4	The +, -, += and -= operators should not be applied to an expression of pointer type.	advisory	-	no
18.5	Declarations should contain no more than two levels of pointer nesting.	advisory	-	no
18.6	The address of an object with automatic storage shall not be copied to another object that persists after the first object has ceased to exist.	required	-	yes
18.7	Flexible array members shall not be declared.	required	-	yes
18.8	Variable-length array types shall not be used.	required	-	yes
19.1	An object shall not be assigned or copied to an overlapping object.	mandatory	-	yes
19.2	The union keyword should not be used.	advisory	-	no
20.1	#include directives should only be preceded by preprocessor directives or comments.	advisory	-	no
20.2	The ', " or \ characters and the /* or // character sequences shall not occur in a header file name.	required	-	yes
20.3	The #include directive shall be followed by either a <filename> or "filename" sequence.	required	-	yes
20.4	A macro shall not be defined with the same name as a keyword.	required	-	yes

20.5	#undef should not be used.	advisory	-	no
20.6	Tokens that look like a preprocessing directive shall not occur within a macro argument.	required	-	yes
20.7	Expressions resulting from the expansion of macro parameters shall be enclosed in parentheses.	required	-	yes
20.8	The controlling expression of a #if or #elif preprocessing directive shall evaluate to 0 or 1.	required	-	yes
20.9	All identifiers used in the controlling expression of #if or #elif preprocessing directives shall be #define'd before evaluation.	required	-	yes
20.10	The # and ## preprocessor operators should not be used.	advisory	-	no
20.11	A macro parameter immediately following a # operator shall not immediately be followed by a ## operator.	required	-	yes
20.12	A macro parameter used as an operand to the # or ## operators, which is itself subject to further macro replacement, shall only be used as an operand to these operators.	required	-	yes
20.13	A line whose first token is # shall be a valid preprocessing directive.	required	-	yes
20.14	All #else, #elif and #endif preprocessor directives shall reside in the same file as the #if, #ifdef or #ifndef directive to which they are related.	required	-	yes
21.1	#define and #undef shall not be used on a reserved identifier or reserved macro name.	required	-	yes
21.2	A reserved identifier or macro name shall not be declared.	required	-	yes
21.3	The memory allocation and deallocation functions of <stdlib.h> shall not be used.	required	-	yes
21.4	The standard header file <setjmp.h> shall not be used.	required	-	yes
21.5	The standard header file <signal.h> shall not be used.	required	-	yes
21.6	The Standard Library input/output functions shall not be used.	required	-	yes
21.7	The atof, atoi, atol, and atoll functions of <stdlib.h> shall not be used.	required	-	yes
21.8	The library functions abort, exit and system of <stdlib.h> shall not be used.	required	-	yes
21.9	The library functions bsearch and qsort of <stdlib.h> shall not be used.	required	-	yes
21.10	The Standard Library time and date functions shall not be used.	required	-	yes
21.11	The standard header file <tgmath.h> shall not be used.	required	-	yes
21.12	The exception handling features of <fenv.h> should not be used.	advisory	-	no
21.13	Any value passed to a function in <ctype.h> shall be representable as an unsigned char or be the value EOF.	mandatory	-	yes
21.14	The Standard Library function memcmp shall not be used to compare null terminated strings.	required	-	yes

21.15	The pointer arguments to the Standard Library functions <code>memcpy</code> , <code>memmove</code> and <code>memcmp</code> shall be pointers to qualified or unqualified versions of compatible types.	required	-	yes
21.16	The pointer arguments to the Standard Library function <code>memcmp</code> shall point to either a pointer type, an essentially signed type, an essentially unsigned type, an essentially Boolean type or an essentially enum type.	required	-	yes
21.17	Use of the string handling functions from <code>&lt;string.h&gt;</code> shall not result in accesses beyond the bounds of the objects referenced by their pointer parameters.	mandatory	-	yes
21.18	The <code>size_t</code> argument passed to any function in <code>&lt;string.h&gt;</code> shall have an appropriate value.	mandatory	-	yes
21.19	The pointers returned by the Standard Library functions <code>localeconv</code> , <code>getenv</code> , <code>setlocale</code> or, <code>strerror</code> shall only be used as if they have pointer to const-qualified type.	mandatory	-	yes
21.20	The pointer returned by the Standard Library functions <code>asctime</code> , <code>ctime</code> , <code>gmtime</code> , <code>localtime</code> , <code>localeconv</code> , <code>getenv</code> , <code>setlocale</code> or <code>strerror</code> shall not be used following a subsequent call to the same function.	mandatory	-	yes
22.1	All resources obtained dynamically by means of Standard Library functions shall be explicitly released.	required	-	yes
22.2	A block of memory shall only be freed if it was allocated by means of a Standard Library function.	mandatory	-	yes
22.3	The same file shall not be open for read and write access at the same time on different streams.	required	-	yes
22.4	There shall be no attempt to write to a stream which has been opened as read-only.	mandatory	-	yes
22.5	A pointer to a <code>FILE</code> object shall not be dereferenced.	mandatory	-	yes
22.6	The value of a pointer to a <code>FILE</code> shall not be used after the associated stream has been closed.	mandatory	-	yes
22.7	The macro <code>EOF</code> shall only be compared with the unmodified return value from any Standard Library function capable of returning <code>EOF</code> .	required	-	yes
22.8	The value of <code>errno</code> shall be set to zero prior to a call to an <code>errno</code> -setting-function.	required	-	yes
22.9	The value of <code>errno</code> shall be tested against zero after calling an <code>errno</code> -setting-function.	required	-	yes
22.10	The value of <code>errno</code> shall only be tested when the last function to be called was an <code>errno</code> -setting-function.	required	-	yes

# Chapter 5. Appendix 2 - Definitions

**Table 5.1. Abbreviations**

Abbreviation	Definition
NA	Not Available