

DN226371 version 1.16.0, Delivery type: Production Release

About this document

Scope and purpose

Thank you for your interest in the TRAVEO™ T2G automotive MCU family AUTOSAR MCAL version 1.16.0. This document provides a description of the product, overview of contents, and additional notes.

Intended audience

This document is intended for anyone who uses the MCAL software of the TRAVEO™ T2G automotive MCU family.

Table of contents

Abo	ut this documentut this document	1
Tabl	le of contents	1
1	Delivery objective	2
2	Delivery date	3
3	System requirements and recommendations	4
4	Product description	5
5	Supported derivatives	6
6	Devices under test	11
7	Compiler options	17
7.1	Green Hills Software	
7.2	IAR Embedded Workbench	
8	Delivery contents	13
9	Instructions for use	16
10	Documentation	17
11	Hardware documentation	18
12	Silicon errata	19
13	Supplier specification	20
14	Known issues	21
15	Notes	22
16	MCAL package version history	23

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes





Delivery objective 1

Version 1.16.0 of the MCAL42 TRAVEO™ T2G automotive MCU.

The release version of this software product is suitable (under the conditions defined in its safety manual) for use in applications up to ASIL-B.

This is the maintenance release of TRAVEO™ T2G MCAL, which contains fixes for a few change requests and defects. There is no update on the supported derivatives.

For the supported derivatives, except the following, this version may not be used for series production.

- TRAVEO™ T2G automotive MCU family CYT2B6 series (TVII-B-E-512K), revision D
- TRAVEO™ T2G automotive MCU family CYT2B7 series (TVII-B-E-1M), revision D
- TRAVEO™ T2G automotive MCU family CYT2B9 series (TVII-B-E-2M), revision C
- TRAVEO™ T2G automotive MCU family CYT2BL series (TVII-B-E-4M), revision A
- TRAVEO™ T2G automotive MCU family CYT3BB/CYT4BB series (TVII-B-H-4M), revision B
- TRAVEO™ T2G automotive MCU family CYT4BF series (TVII-B-H-8M), revision D
- TRAVEO™ T2G automotive MCU family CYT2C9/CYT2CL series (TVII-C-E-4M), revision A
- TRAVEO™ T2G automotive MCU family CYT3DL series (TVII-C-2D-4M), revision B
- TRAVEO™ T2G automotive MCU family CYT4DN series (TVII-C-2D-6M), revision C
- TRAVEO™ T2G automotive MCU family CYT4EN series (TVII-C-2D-6M-DDR), revision A

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes DN226371 version 1.16.0, Delivery type: Production Release



Delivery date

2 Delivery date

7 October 2022.

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes

DN226371 version 1.16.0, Delivery type: Production Release



System requirements and recommendations

3 System requirements and recommendations

Software prerequisites	Supported version
EB tresos Studio package for Infineon	26.2.0
Green Hills Software, compiler	v2017.1.4
IAR Embedded Workbench 8.0 EWARM FS ¹	8.22.3

¹ All multicore modules (AdcMc (ExPack), DioMc, GptMc, IcuMc, McuMc, PortMc, PwmMc, SpiMc, WdgMc) do not support IAR Embedded Workbench.

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes





Product description

4 Product description

- This is MCAL42 TRAVEO[™] T2G V1.16.0.
- This version supports MISRA C:2012 coding rule.
- This version supports the following plugins: Adc, Adc (ExPack), AdcMc (ExPack), Can, Dio, DioMc, Fls, Fls (For CM0+), Gpt, GptMc, Icu, IcuMc, Lin, Mcu, McuMc, Ocu, Port, PortMc, Pwm, PwmMc, Spi, SpiMc, Wdg, WdgMc, Base, Make, and Resource. Make plugin is only a sample for reference. Actual available plugins will be restricted by the license key of installer, though this document explains all plugins. For more details on actual available plugins, see Notes section.
- The SW has not been tested with all possible configuration combination patterns, although each configuration parameter has been tested individually. You should verify the final configuration.
- The arxml files are not tested. These have been checked by the AUTOSAR module definition checker tool only.
- For TRAVEO™ T2G family of devices, Infineon follows a platform concept; thus, TRAVEO™ T2G devices are built from a subset of HW IPs which have been defined for the TRAVEO™ T2G platform. This approach creates maximum compatibility within the TRAVEO™ T2G platform. Based on this concept, the software has been tested on representative superset devices. Superset devices support all channels and all features available in subset devices. Therefore, all devices listed in **Supported derivatives** are equally supported by the software. The devices that have actually been tested are listed in the **Devices under test** section.
- Open source software (OSS) compliance report for TRAVEO™ T2G MCAL drivers was created using Protex software compliance management products and services from Black Duck Software. As per report result, no open source software has been detected in the TRAVEO™ T2G MCAL drivers.

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes DN226371 version 1.16.0, Delivery type: Production Release



Supported derivatives

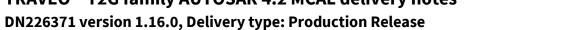
Series	Supported derivatives		Abbreviated name
	MPN	Revision	
CYT2B6	CYT2B63BAE	D	TVII-B-E-512K
	CYT2B63BAS		
	CYT2B63CAE		
	CYT2B63CAS		
	CYT2B64BAE		
	CYT2B64BAS		
	CYT2B64CAE		
	CYT2B64CAS		
	CYT2B65BAE		
	CYT2B65BAS		
	CYT2B65CAE		
	CYT2B65CAS		
CYT2B7	CYT2B73BAE	D	TVII-B-E-1M
	CYT2B73BAS		
	CYT2B73CAE		
	CYT2B73CAS		
	CYT2B74BAE		
	CYT2B74BAS		
	CYT2B74CAE		
	CYT2B74CAS		
	CYT2B75BAE		
	CYT2B75BAS		
	CYT2B75CAE		
	CYT2B75CAS		
	CYT2B77BAE		
	CYT2B77BAS		
	CYT2B77CAE		
	CYT2B77CAS		
	CYT2B78BAE		
	CYT2B78BAS		
	CYT2B78CAE		
	CYT2B78CAS		





Series	Supported derivatives		Abbreviated name
	MPN	Revision	
CYT2B9	CYT2A0100E ²	С	TVII-B-E-2M
	CYT2B93BAE		
	CYT2B93BAS		
	CYT2B93CAE		
	CYT2B93CAS		
	CYT2B94BAE		
	CYT2B94BAS		
	CYT2B94CAE		
	CYT2B94CAS		
	CYT2B95BAE		
	CYT2B95BAS		
	CYT2B95CAE		
	CYT2B95CAS		
	CYT2B97BAE		
	CYT2B97BAS		
	CYT2B97CAE		
	CYT2B97CAS		
	CYT2B98BAE		
	CYT2B98BAS		
	CYT2B98CAE		
	CYT2B98CAS		
CYT2BL	CYT2BL3BAE	А	TVII-B-E-4M
	CYT2BL3BAS		
	CYT2BL3CAE		
	CYT2BL3CAS		
	CYT2BL4BAE		
	CYT2BL4BAS		
	CYT2BL4CAE		
	CYT2BL4CAS		
	CYT2BL5BAE		
	CYT2BL5BAS		
	CYT2BL5CAE		
	CYT2BL5CAS		
	CYT2BL7BAE		
	CYT2BL7BAS		
	CYT2BL7CAE		
	CYT2BL7CAS		
	CYT2BL8BAE		

 $^{^{\}rm 2}\,{\rm Adc}$ (ExPack) and AdcMc (ExPack) do not support this derivative.





Series	Supported derivatives		Abbreviated name
	MPN	Revision	
	CYT2BL8BAS		
	CYT2BL8CAE		
	CYT2BL8CAS		
CYT3BB	CYT3BB5CEE	В	TVII-B-H-4M
	CYT3BB5CES		
	CYT3BB7CEE		
	CYT3BB7CES		
	CYT3BB8CEE		
	CYT3BB8CES		
	CYT3BBBCEE		
	CYT3BBBCES		
CYT4BB	CYT4BB5CEE		
	CYT4BB5CES		
	CYT4BB7CEE		
	CYT4BB7CES		
	CYT4BB8CEE		
	CYT4BB8CES		
	CYT4BBBCEE		
	CYT4BBBCES		
CYT4BF	CYT4A0100S ³	D	TVII-B-H-8M
	CYT4BF8CDE		
	CYT4BF8CDS		
	CYT4BF8CEE		
	CYT4BF8CES		
	CYT4BFBCHE		
	CYT4BFBCHS		
	CYT4BFBCJE		
	CYT4BFBCJS		
	CYT4BFCCHE		
	CYT4BFCCHS		
	CYT4BFCCJE		
	CYT4BFCCJS		

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes DN226371 version 1.16.0, Delivery type: Production Release



Series	Supported derivatives		Abbreviated name	
	MPN Revision			
CYT2C9	CYT2C97BAS	А	TVII-C-E-4M	
	CYT2C98BAS			
	CYT2C9HBAS			
CYT2CL	CYT2CL7BAS			
	CYT2CL8BAS			
	CYT2CLHBAS			
CYT3DL	CYT3DL9BAS	В	TVII-C-2D-4M	
	CYT3DL9BBS			
	CYT3DL9BCS			
	CYT3DL9BDS			
	CYT3DL9BES			
	CYT3DL9BFS			
	CYT3DL9BGS			
	CYT3DL9BHS			
	CYT3DLABAS			
	CYT3DLABBS			
	CYT3DLABCS			
	CYT3DLABDS			
	CYT3DLABES			
	CYT3DLABFS			
	CYT3DLABGS			
	CYT3DLABHS			
	CYT3DLBBAS			
	CYT3DLBBBS			
	CYT3DLBBCS			
	CYT3DLBBDS			
	CYT3DLBBES			
	CYT3DLBBFS			
	CYT3DLBBGS			
	CYT3DLBBHS			
	CYT3DLJBBS	С	TVII-C-2D-6M	
	CYT3DLJBDS			
	CYT3DLJBFS			
	CYT3DLJBHS			

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes



DN226371 version 1.16.0, Delivery type: Production Release

Series	Supported derivatives		Abbreviated name	
	MPN	Revision		
CYT4DN	CYT4DNJBAS	С	TVII-C-2D-6M	
	CYT4DNJBBS			
	CYT4DNJBCS			
	CYT4DNJBDS			
	CYT4DNJBES			
	CYT4DNJBFS			
	CYT4DNJBGS			
	CYT4DNJBHS			
	CYT4DNJBJS			
	CYT4DNJBKS			
	CYT4DNJBLS			
	CYT4DNJBMS			
	CYT4DNJBNS			
	CYT4DNJBPS			
	CYT4DNJBQS			
	CYT4DNJBRS			
CYT4EN	CYT4ENDBAS	A	TVII-C-2D-6M-DDR	
	CYT4ENDBCS			
	CYT4ENDBES			
	CYT4ENDBGS			
	CYT4ENDBJS			
	CYT4ENDBLS			
	CYT4ENDBNS			
	CYT4ENDBQS			

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes

DN226371 version 1.16.0, Delivery type: Production Release



Devices under test

Devices under test 6

This version of the SW has been tested using the following chips.

Device name	Series	MPN	Revision	Protection state	Abbreviated name
CYT2B65BADES	CYT2B6	CYT2B65BAE	D	NORMAL	TVII-B-E-512K
CYT2B78CADES	CYT2B7	CYT2B78CAE	D	NORMAL	TVII-B-E-1M
CYT2B98CACES	CYT2B9	CYT2B98CAE	С	NORMAL	TVII-B-E-2M
CYT2BL8CAAES	CYT2BL	CYT2BL8CAE	Α	NORMAL	TVII-B-E-4M
CYT4BB8CEBES	CYT4BB	CYT4BB8CEE	В	NORMAL	TVII-B-H-4M
CYT4BF8CDDES	CYT4BF	CYT4BF8CDE	D	NORMAL	TVII-B-H-8M
CYT4A0100DES ⁴	CYT4BF	CYT4A0100S	D	NORMAL	TVII-B-H-8M
CYT2CL8BAAES	CYT2CL	CYT2CL8BAS	А	NORMAL	TVII-C-E-4M
CYT3DLABHBES	CYT3DL	CYT3DLABHS	В	NORMAL	TVII-C-2D-4M
CYT4DNJBRCES	CYT4DN	CYT4DNJBRS	С	NORMAL	TVII-C-2D-6M
CYT4ENDBQAES	CYT4EN	CYT4ENDBQS	Α	NORMAL	TVII-C-2D-6M-DDR

11 of 28

DN226371 version 1.16.0, Delivery type: Production Release



Compiler options

7 Compiler options

This section summarizes the compiler options used to build and test the module. When changing the compiler options, the module must be considered untested.

7.1 Green Hills Software

Option (Cortex®-M4F core)

-cpu=cortexm4f -thumb -thumb_lib -C99 --short_enum -align4 --no_commons -no_alternative_tokens -asm3g -preprocess_assembly_files -nostartfiles globalcheck=normal -globalcheck_qualifiers --prototype_errors -Wformat -Wimplicitint -Wshadow -Wtrigraphs -Wundef -reject_duplicates -c -list -Ospeed -OI -Olink Ointerproc -Omax -fsingle

Option (Cortex®-M7 core)

-cpu=cortexm7 -thumb -thumb_lib -C99 --short_enum -align4 --no_commons -- no_alternative_tokens -asm3g -preprocess_assembly_files -nostartfiles -- globalcheck=normal -globalcheck_qualifiers --prototype_errors -Wformat -Wimplicit-int -Wshadow -Wtrigraphs -Wundef -reject_duplicates -c -list -Ospeed -OI -Olink -- Ointerproc -Omax -fhard

Option (Cortex®-M0+ core)

-cpu=cortexm0plus -thumb -thumb_lib -C99 --short_enum -align4 --no_commons -- no_alternative_tokens -asm3g -preprocess_assembly_files -nostartfiles - globalcheck=normal -globalcheck_qualifiers --prototype_errors -Wformat -Wimplicit-int -Wshadow -Wtrigraphs -Wundef -reject_duplicates -c -list -Ospeed -OI -Olink - Ointerproc -Omax -fsoft

7.2 IAR Embedded Workbench

Option (Cortex®-M4F core)

--debug --endian=little --cpu=Cortex-M4 -e --fpu=VFPv4_sp -Ohs -- no size constraints

Option (Cortex®-M7 core)

--debug --endian=little --cpu=Cortex-M7 -e --fpu=VFPv5_d16 -Ohs -- no size constraints

Option (Cortex®-M0+ core)

--debug --endian=little --cpu=Cortex-M0+ -e -Ohs --no size constraints

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes DN226371 version 1.16.0, Delivery type: Production Release



Delivery contents

8 Delivery contents

File(s)	Description
SW-TVII-MCAL42_V1.16.0_Delivery_Notes.pdf	This file.
SW-TVII-MCAL42_V1.16.0.exe	Installer of TRAVEO™ T2G MCAL driver package
SW-TVII-MCAL42_Installation_Manual.pdf	Installation manual for TRAVEO™ T2G MCAL driver package
SW-TVII-MCAL42_V1.16.0_ReleaseNotes.zip	Release notes of TRAVEO™ T2G MCAL
EBtresos26_2_0_forInfineonSW.exe	Installer of EB tresos Studio 26.2.0
EBtresos_for_INFINEON_Installation_Manual.pdf	Installation manual for EB tresos Studio
EB_Client_License_Administrator_1_3_0_Setup.exe	Installer of the client license administration utility
LicensingUsersGuide_1_3_0.pdf	User's guide for EB tresos Studio licensing
FileList_TraveoII_MCAL.txt	List of files included in TRAVEO™ T2G MCAL driver package
FileList_EBtresos26_2_0_forINFINEON.txt	List of files included in EB tresos Studio 26.2.0

Plugin name (Abbreviation)	Module version in 1.15.0 package	Module version in 1.16.0 package	Overview of changes
Adc_TS_T40D13M1I0R0 (Adc)	1.14.0	1.14.0	No update
Adc_TS_T40D13M2I0R0 (Adc (ExPack))	2.15.0	2.15.0	No update
Adc_TS_T40D13M4I0R0 (AdcMc (ExPack))	4.4.0	4.4.0	No update
Base_TS_T40D13M1I0R0 (Base)	1.8.1	1.8.1	No code update. Only documentation update because of the Platforms plugin update. See release notes for details.
Can_TS_T40D13M1I0R0 (Can)	1.17.0	1.17.0	No update
Dio_TS_T40D13M1I0R0 (Dio)	1.11.2	1.11.2	No update
Dio_TS_T40D13M3I0R0 (DioMc)	3.1.2	3.1.2	No update
Fls_TS_T40D13M1I0R0 (Fls)	1.17.1	1.17.1	No code update. Only documentation update. See release notes for details.
Fls_TS_T40D13M2I0R0 (Fls (For CM0+))	2.17.1	2.17.1	No code update. Only documentation update. See release notes for details.
Gpt_TS_T40D13M1I0R0 (Gpt)	1.13.2	1.13.2	No update

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes DN226371 version 1.16.0, Delivery type: Production Release



Delivery contents

Plugin name (Abbreviation)	Module version in 1.15.0 package	Module version in 1.16.0 package	Overview of changes
Gpt_TS_T40D13M3I0R0	3.2.2	3.2.2	No update
(GptMc)	_		
Icu_TS_T40D13M1I0R0 (Icu)	1.16.1	1.16.1	No update
Icu_TS_T40D13M3I0R0 (IcuMc)	3.3.2	3.3.2	No update
Lin_TS_T40D13M1I0R0 (Lin)	1.11.2	1.11.2	No update
Make_TS_T40D13M1I0R0 (Make)	1.3.1	1.4.0	Code and documentation updates. See release notes for details.
Mcu_TS_T40D13M1I0R0 (Mcu)	1.20.0	1.21.0	Code and documentation updates. See release notes for details.
Mcu_TS_T40D13M3I0R0 (McuMc)	3.5.0	3.6.0	Code and documentation updates. See release notes for details.
Ocu_TS_T40D13M1I0R0 (Ocu)	1.10.0	1.10.0	No update
Platforms_TS_T40D13M1I0R0 (Platforms)	1.3.1	1.4.0	Code update. See release notes of the Base plugin for details.
Port_TS_T40D13M1I0R0 (Port)	1.17.0	1.18.0	Code and documentation updates. See release notes for details.
Port_TS_T40D13M3I0R0 (PortMc)	3.4.0	3.5.0	Code and documentation updates. See release notes for details.
Pwm_TS_T40D13M1I0R0 (Pwm)	1.15.2	1.15.2	No update
Pwm_TS_T40D13M3I0R0 (PwmMc)	3.2.2	3.2.2	No update
Resource_TS_T40D13M1I0R0 (Resource)	1.20.0	1.20.0	No update
Spi_TS_T40D13M1I0R0 (Spi)	1.19.0	1.19.0	No update
Spi_TS_T40D13M3I0R0 (SpiMc)	3.3.0	3.3.0	No update
Wdg_TS_T40D13M1I0R0 (Wdg)	1.16.0	1.16.0	No update
Wdg_TS_T40D13M3I0R0 (WdgMc)	3.2.0	3.2.0	No update

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes DN226371 version 1.16.0, Delivery type: Production Release



Delivery contents

Numbering rule of the module version (x.y.z) is shown in the following table.

Items	Description		
Major (x)	Number starting from 1.		
	Major (x) is fixed per product.		
Minor (y) Number starting from 0.			
	Minor (y) is increased by bug fix or change request fix.		
Patch (z)	Number starting from 0.		
	Patch (z) is increased when supported derivatives are updated. This means change of plugin.xml and release notes without change of source code.		
	When Minor (y) is increased, Patch (z) is reset to 0 even if supported derivatives are updated.		

See the following text files provided with this package for detailed list of files included in this package:

- FileList_TraveoII_MCAL.txt
- FileList_EBtresos26_2_0_forINFINEON.txt

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes





Instructions for use

Instructions for use 9

To install, see the installation manual for TRAVEO™ T2G MCAL driver package (SW-TVII-MCAL42_Installation_Manual.pdf) and the installation manual for EB tresos Studio $(EBtresos_for_INFINEON_Installation_Manual.pdf).$

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes DN226371 version 1.16.0, Delivery type: Production Release



Documentation

10 Documentation

The user guide for this release is installed in the following folder:

<Installation folder>/doc

The release notes for this release is installed in the following folder:

<Installation folder>/doc

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes DN226371 version 1.16.0, Delivery type: Production Release



Hardware documentation

11 Hardware documentation

Contact the local support application engineer if you need these documents.

Document name	Document number	Revision
TRAVEO™ T2G automotive body controller entry family architecture technical reference manual	002-19314	*H
TRAVEO™ T2G: TVII-B-E-1M registers body controller entry technical reference manual	002-19567	*G
TRAVEO™ T2G: TVII-B-E-2M registers body controller entry technical reference manual	002-27181	*D
TRAVEO™ T2G automotive MCU: TVII-B-E-4M body controller entry registers technical reference manual	002-29852	*B
TRAVEO™ T2G automotive body controller high family architecture technical reference manual	002-24401	*F
TRAVEO™ T2G: TVII-B-H-4M registers body controller high technical reference manual	002-27182	*D
TRAVEO™ T2G: TVII-B-H-8M registers body controller high technical reference manual	002-24402	*G
TRAVEO™ T2G automotive cluster entry family architecture technical reference manual	002-33175	**
TRAVEO™ T2G automotive MCU: TVII-C-E-4M cluster entry registers technical reference manual	002-33404	*A
TRAVEO™ T2G automotive MCU cluster 2D architecture technical reference manual	002-25800	*D
TRAVEO™ T2G automotive MCU: TVII-C-2D-4M cluster 2D registers technical reference manual	002-29854	*E
TRAVEO™ T2G automotive MCU: TVII-C-2D-6M cluster 2D registers technical reference manual	002-25923	*H
TRAVEO™ T2G automotive MCU: TVII-C-2D-6M-DDR cluster 2D registers technical reference manual	002-32087	*A
CYT2B6 datasheet 32-bit Arm® Cortex®-M4F microcontroller TRAVEO™ T2G family	002-25756	*B
CYT2B7 datasheet 32-bit Arm® Cortex®-M4F microcontroller TRAVEO™ T2G family	002-18043	*
CYT2B9 datasheet 32-bit Arm® Cortex®-M4F microcontroller TRAVEO™ T2G family	002-22825	*
CYT2BL datasheet TRAVEO™ T2G 32-bit automotive MCU based on Arm® Cortex®-M4F-single	002-28876	*E
CYT3BB/4BB datasheet TRAVEO™ T2G 32-bit automotive MCU based on Arm® Cortex®-M7 single/dual	002-26591	*G
CYT4BF datasheet TRAVEO™ T2G 32-bit automotive MCU based on Arm® Cortex®-M7 dual	002-21617	*J
CYT2CL datasheet 32-bit Arm® Cortex®-M4F microcontroller TRAVEO™ T2G family	002-32508	*B
CYT3DL datasheet 32-bit Arm® Cortex®-M7 microcontroller TRAVEO™ T2G family	002-27763	*F
CYT4DN datasheet 32-bit Arm® Cortex®-M7 microcontroller TRAVEO™ T2G family	002-24601	*G
CYT4EN datasheet TRAVEO™ T2G 32-bit automotive MCU based on Arm® Cortex®-M7 dual	002-30842	*C

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes DN226371 version 1.16.0, Delivery type: Production Release



Silicon errata

12 Silicon errata

Contact the local support application engineer if you need these documents.

Document name	Revision
Silicon errata for the CYT2B6 series rev.D	1.4
Silicon errata for the CYT2B7 series rev.D	1.7
Silicon errata for the CYT2B9 series rev.C	1.8
Silicon errata for the CYT2BL series rev.A	1.5
Silicon errata for the CYT3BB/4BB series rev.B	1.7
Silicon errata for the CYT4BF series rev.D	1.7
Silicon errata for the CYT2CL series rev.A	1.4
Silicon errata for the CYT3DL series rev.B	1.7
Silicon errata for the CYT4DN series rev.C	1.5
Silicon errata for the CYT4EN series rev.A	1.0

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes

DN226371 version 1.16.0, Delivery type: Production Release



Supplier specification

13 Supplier specification

Name	Description
TRAVEO™ T2G MCAL 42 DRV requirements	Baseline of ES100.14 (Maintenance) for TRAVEO™ T2G
specification	

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes DN226371 version 1.16.0, Delivery type: Production Release



Known issues

14 Known issues

See the SW LOKI file provided with this package for list of known issues.

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes

DN226371 version 1.16.0, Delivery type: Production Release



Notes

15 Notes

Keep in mind the following points before you use this software release.

• Installable plugins depend on the license key type of installer. There are eight types of license keys of the installer as shown in the following table:

License key types of installer	Installable plugins				
	MCAL plugins 5	MCAL multicore ⁶	Adc (ExPack)	Adc multicore (ExPack)	Fls (For CM0+)
MCAL	✓	-	-	-	-
MCAL with Adc (ExPack)	✓	-	✓	-	-
MCAL with Fls (For CM0+)	✓	-	-	-	✓
MCAL with FullExPacks	✓	-	✓	-	✓
MCAL multicore	✓	✓	-	-	-
MCAL multicore with Adc (ExPack)	✓	√	✓	✓	-
MCAL multicore with Fls (For CM0+)	✓	√	-	-	✓
MCAL multicore with FullExPacks	✓	✓	√	✓	✓

• In an EB tresos project, combination of the modules that are contained in a different MCAL package version is not allowed.

For example, a combination of ICU in MCAL package V1.x.x and OCU in MCAL package V1.z.z is not allowed.

- In an EB tresos project, a combination of the Adc module and Adc (ExPack) module is not allowed.
- In an EB tresos project, a combination of the Fls module and Fls (For CM0+) module is not allowed.
- Make plugin is only a sample for reference.

⁵ Adc, Can, Dio, Fls, Gpt, Icu, Lin, Mcu, Ocu, Port, Pwm, Spi, Wdg, Base, Make, and Resource.

⁶ DioMc, GptMc, IcuMc, McuMc, PortMc, PwmMc, SpiMc, and WdgMc.





MCAL package version history

MCAL package version	Overview of changes
1e.0.1	TRAVEO™ T2G family CYT2B5/CYT2B6/CYT2B7/CYT2BG series revision A was
	supported as beta level of quality.
1e.1.1	TRAVEO™ T2G family CYT3BB/CYT3BM/CYT4BB/CYT4BF/CYT4BM series revision A
	was supported as beta level of quality.
	TRAVEO™ T2G family CYT2B5/CYT2B6/CYT2B7/CYT2BG series revision A was
	unsupported because of architecture updating.
1e.2.1	TRAVEO™ T2G family CYT2B9/CYT2BH/CYT2BJ series revision A was supported as
	beta level of quality.
1e.2.2	TRAVEO™ T2G family CYT2B5/CYT2B6/CYT2B7/CYT2BG series revision B was
	supported as beta level of quality.
	Following is the updated module: Fls
	For more details on the changes, see release notes.
1.2.4	TRAVEO™ T2G family CYT2B9/CYT2BH/CYT2BJ series revision B was supported as
	production level of quality.
	TRAVEO™ T2G family CYT4DN series revision A was supported (Not tested).
	IAR compiler was supported.
	The following modules are updated: Adc, Can, Dio, Fls, Gpt, Icu, Lin, Make, Mcu,
	Ocu, Port, Pwm, Resource, Spi, Wdg
	For more details on the changes, see release notes.
1e.3.0	TRAVEO™ T2G family CYT3BB/CYT3BM/CYT4BB/CYT4BF/CYT4BM series revision B
	was supported as beta level of quality.
	The following modules are updated: Dio, Icu, Mcu, Port, Resource, Spi, Wdg
	For more details on the changes, see release notes.
1e.3.1	TRAVEO™ T2G family CYT4DN series revision A was supported as beta level of
	quality.
	TRAVEO™ T2G family CYT2B5/CYT2B6/CYT2B7/CYT2BG series revision C was
	supported (Not tested).
	The following modules are updated: Resource, Fls, Mcu
	For more details on the changes, see release notes.
1e.3.2	TRAVEO™ T2G family
	CYT3BA/CYT3BB/CYT3BK/CYT3BL/CYT4BA/CYT4BB/CYT4BK/CYT4BL series (TVII-B-
	H-4M) revision A was supported as beta level of quality.
	TRAVEO™ T2G family CYT3BB/CYT3BM/CYT4BB/CYT4BF/CYT4BM series (TVII-B-H-
	8M) revision C was supported (Not tested).
	The following modules are updated: Adc, Can, Dio, Fls, Gpt, Icu, Lin, Mcu, Ocu,
	Port, Pwm, Resource, Spi, Wdg
	For more details on the changes, see release notes.
1.3.3	TRAVEO™ T2G family CYT3BB/CYT3BM/CYT4BB/CYT4BF/CYT4BM series (TVII-B-H-
	8M) revision C was supported as production level quality.
	The following module is updated: Port
	For more details on the changes, see release notes.

DN226371 version 1.16.0, Delivery type: Production Release



MCAL package version	Overview of changes
1.4.0	TRAVEO™ T2G family CYT2B5/CYT2B6/CYT2B7/CYT2BG series (TVII-B-E-1M)
	revision D was supported as production level quality.
	TRAVEO™ T2G family CYT2B9/CYT2BH/CYT2BJ series (TVII-B-E-2M) revision C was
	supported as production level quality.
	The following modules are updated: Mcu, Resource
	For more details on the changes, see release notes.
	Manifest files (. <i>MF</i>) for the following modules are updated to solve the problem
	that files in the <i>generate_swcd</i> folder cannot be generated: Adc, Can, Dio, Fls, Gpt,
	Icu, Lin, Mcu, Ocu, Port, Pwm, Spi, Wdg
5.0	TRAVEO™ T2G family CYT3BB/CYT3BM/CYT4BB/CYT4BF/CYT4BM series (TVII-B-H-
	8M) revision D was supported as production level quality.
	EB tresos 26.2.0 is supported.
	The following modules are updated: Adc, Can, Dio, Fls, Gpt, Icu, Mcu, Port, Pwm,
	Resource, Spi, Wdg
	For more details on the changes, see release notes.
.6.0	TRAVEO™ T2G family CYT3BB/CYT4BB series (TVII-B-H-4M) revision B was
	supported as production level quality.
	The following derivatives are removed from supported derivatives table.
	CYT2B57BAE, CYT2B57BAS, CYT2B58BAE, CYT2B58BAS, CYT2B67BAE,
	CYT2B67BAS, CYT2B67CAE, CYT2B67CAS, CYT2B68BAE, CYT2B68BAS,
	CYT2B68CAE, CYT2B68CAS, CYT2BG3BAE, CYT2BG3BAS, CYT2BG3CAE,
	CYT2BG3CAS, CYT2BG4BAE, CYT2BG4BAS, CYT2BG4CAE, CYT2BG4CAS,
	CYT2BG5BAE, CYT2BG5BAS, CYT2BG5CAE, CYT2BG5CAS, CYT2BG7BAE,
	CYT2BG7BAS, CYT2BG7CAE, CYT2BG7CAS, CYT2BG8BAE, CYT2BG8BAS,
	CYT2BG8CAE, CYT2BG8CAS, CYT2BH3BAE, CYT2BH3BAS, CYT2BH3CAE,
	CYT2BH3CAS, CYT2BH4BAE, CYT2BH4BAS, CYT2BH4CAE, CYT2BH4CAS,
	CYT2BH5BAE, CYT2BH5BAS, CYT2BH5CAE, CYT2BH5CAS, CYT2BH7BAE,
	CYT2BH7BAS, CYT2BH7CAE, CYT2BH7CAS, CYT2BH8BAE, CYT2BH8BAS,
	CYT2BH8CAE, CYT2BH8CAS, CYT2BJ3BAE, CYT2BJ3BAS, CYT2BJ3CAE,
	CYT2BJ3CAS, CYT2BJ4BAE, CYT2BJ4BAS, CYT2BJ4CAE, CYT2BJ4CAS,
	CYT2BJ5BAE, CYT2BJ5BAS, CYT2BJ5CAE, CYT2BJ5CAS, CYT2BJ7BAE,
	CYT2BJ7BAS, CYT2BJ7CAE, CYT2BJ7CAS, CYT2BJ8BAE, CYT2BJ8BAS,
	CYT2BJ8CAE, CYT2BJ8CAS, CYT3BA5CBE, CYT3BA5CBS, CYT3BA7CBE,
	CYT3BA7CBS, CYT3BA8CBE, CYT3BA8CBS, CYT3BABCBE, CYT3BABCBS,
	CYT3BBCCEE, CYT3BBCCES, CYT3BK5CBE, CYT3BK5CBS, CYT3BK7CBE,
	CYT3BK7CBS, CYT3BK8CBE, CYT3BK8CBS, CYT3BKBCBE, CYT3BKBCBS,
	CYT3BL5CBE, CYT3BL5CBS, CYT3BL7CBE, CYT3BL7CBS, CYT3BL8CBE,
	CYT3BL8CBS, CYT3BLBCBE, CYT3BLBCBS, CYT3BM8CDE, CYT3BM8CDS,
	CYT3BM8CEE, CYT3BM8CES, CYT3BMBCDE, CYT3BMBCDS, CYT3BMBCEE,
	CYT3BMBCES, CYT3BMBCHS, CYT3BMBCDS, CYT3BMBCJS,
	CYT3BMCCDE, CYT3BMCCDS, CYT3BMCCEE, CYT3BMCCES, CYT3BMCCHE,
	CYTABACCES, CYTABA
	CYT4BA7CEE, CYT4BA7CES, CYT4BA8CEE, CYT4BA8CES, CYT4BA8CEE,
	CYT4BABCES, CYT4BBCCEE, CYT4BBCCES, CYT4BK5CEE, CYT4BK5CES,
	CYT4BK7CEE, CYT4BK7CES, CYT4BK8CEE, CYT4BK8CES, CYT4BKBCEE,

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes

DN226371 version 1.16.0, Delivery type: Production Release





MCAL package version	Overview of changes
	CYT4BKBCES, CYT4BL5CEE, CYT4BL5CES, CYT4BL7CEE, CYT4BL7CES,
	CYT4BL8CEE, CYT4BL8CES, CYT4BLBCEE, CYT4BLBCES, CYT4BM8CDE,
	CYT4BM8CDS, CYT4BM8CEE, CYT4BM8CES, CYT4BMBCDE, CYT4BMBCDS,
	CYT4BMBCEE, CYT4BMBCES, CYT4BMBCHE, CYT4BMBCHS, CYT4BMBCJE,
	CYT4BMBCJS, CYT4BMCCDE, CYT4BMCCDS, CYT4BMCCEE, CYT4BMCCES,
	CYT4BMCCHE, CYT4BMCCHS, CYT4BMCCJE, CYT4BMCCJS, CYT4DNDAAS,
	CYT4DNDABS, CYT4DNDACS, CYT4DNDADS, CYT4DNDAES, CYT4DNDAFS,
	CYT4DNDAGS, CYT4DNDAHS
	Adc (ExPack) module was added.
	License key feature was applied to MCAL driver package installer.
	The following modules are updated: Fls, Resource
	For more details on the changes, see release notes.
7.0	TRAVEO™ T2G family CYT2BL series (TVII-B-E-4M) revision A was supported as
	production level quality.
	MISRA C:2012 coding rule was supported.
	The following modules are updated: Adc, Adc (ExPack), Base, Can, Dio, Fls, Gpt,
	Icu, Lin, Mcu, Ocu, Port, Pwm, Spi, Wdg, Resource
	For more details on the changes, see release notes.
e.8.0	TRAVEO™ T2G family CYT3DL series (TVII-C-2D-4M) revision A was supported as
	beta level quality.
	Fls (For CM0+) module was added.
	The following modules are updated: Adc, Adc (ExPack), Base, Can, Dio, Fls, Gpt,
	Icu, Lin, Mcu, Ocu, Port, Pwm, Spi, Wdg, Resource
	For more details on the changes, see release notes.
e.8.1	The following modules were added: AdcMc (ExPack), DioMc, GptMc, IcuMc, McuMc PortMc, PwmMc, SpiMc, WdgMc
	The following modules are updated: Fls, Mcu, Spi, Wdg
	For more details on the changes, see release notes.
8.2	TRAVEO™ T2G family CYT2B6 series (TVII-B-E-512K) revision D was supported as
	production level quality.
	The following modules are updated: Resource, Spi
	For more details on the changes, see release notes.
9.0	TRAVEO™ T2G family CYT4DN series (TVII-C-2D-6M) revision B was supported as
	production level quality.
	The following derivatives are added to supported derivatives table.
	CYT3DLJBBS, CYT3DLJBDS, CYT3DLJBFS, CYT3DLJBHS, CYT4DNDBJS,
	CYT4DNDBKS, CYT4DNDBLS, CYT4DNDBMS, CYT4DNDBNS, CYT4DNDBPS,
	CYT4DNDBQS, CYT4DNDBRS, CYT4DNJBAS, CYT4DNJBBS, CYT4DNJBCS,
	CYT4DNJBDS, CYT4DNJBES, CYT4DNJBFS, CYT4DNJBGS, CYT4DNJBHS,
	CYT4DNJBJS, CYT4DNJBKS, CYT4DNJBLS, CYT4DNJBMS, CYT4DNJBNS,
	CYT4DNJBPS, CYT4DNJBQS, CYT4DNJBRS
	The following modules are updated: Adc, Adc (ExPack), Can, Fls, Fls (For CM0+),
	Gpt, Icu, Mcu, Ocu, Port, Pwm, Resource, Spi
	For more details on the changes, see release notes.

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes



DN226371 version 1.16.0, Delivery type: Production Release

MCAL package version	Overview of changes
1.10.0	MCAL multicore plugins were evaluated as the production level quality.
	The following modules are updated: AdcMc (ExPack), GptMc, IcuMc, McuMc, PortMc, PwmMc, SpiMc.
	For the following modules, only documentation was updated: Adc (ExPack), Can, Fls, Fls (For CM0+), Gpt, Icu, Mcu, Spi, WdgMc.
	For more details on the changes, see release notes.
1.11.0	TRAVEO™ T2G automotive MCU family CYT3DL series (TVII-C-2D-4M) revision B is supported as the production-level quality.
	The following derivatives are removed from the supported derivatives table: CYT4DNDBAS, CYT4DNDBBS, CYT4DNDBCS, CYT4DNDBDS, CYT4DNDBES,
	CYT4DNDBFS, CYT4DNDBGS, CYT4DNDBHS, CYT4DNDBJS, CYT4DNDBKS,
	CYT4DNDBLS, CYT4DNDBMS, CYT4DNDBNS, CYT4DNDBPS, CYT4DNDBQS, CYT4DNDBRS
	The following modules are updated: Adc (ExPack), Icu, IcuMc, Mcu, McuMc, Pwm, Resource, Spi.
	For the following modules, only documentation was updated: Port, PortMc, PwmMc.
	For details on the changes, see the release notes.
1.12.0	TRAVEO™ T2G automotive MCU family CYT2C9/ CYT2CL series (TVII-C-E-4M) revision A is supported as production-level quality.
	The following derivatives are added to supported derivatives table.
	CYT2C9HBAS, CYT2C97BAS, CYT2C98BAS, CYT2CL7BAS, CYT2CL8BAS,
	CYT2CLHBAS
	The following modules are updated: Adc, Adc (ExPack), AdcMc (ExPack), Can, Dio, DioMc, Fls, Fls(for CM0+), Gpt, GptMc, Icu, IcuMc, Lin, Mcu, McuMc, Ocu, Port, PortMc, Pwm, PwmMc, Resource, Spi, SpiMc, Wdg, WdgMc
	See the release notes for details.
1.13.0	TRAVEO™ T2G automotive MCU family CYT4DN series (TVII-C-2D-6M) revision C is supported as production-level quality.
	The following modules are updated: Can
	See the release notes for details.
1.14.0	The following modules are updated: Can, Fls, Fls (For CM0+).
	For the following modules, only documentation was updated: Mcu, McuMc.
	For details on the changes, see the release notes.
	Updated all documentation to the latest Infineon branding guidelines.
	Changed the default installation directory for the Installer of TRAVEO™ T2G MCAL driver package and EB tresos Studio.
	Changed the validation method of the license key for the Installer of TRAVEO™ T2G MCAL driver package.

TRAVEO™ T2G family AUTOSAR 4.2 MCAL delivery notes

DN226371 version 1.16.0, Delivery type: Production Release





MCAL package version	Overview of changes
1.15.0	TRAVEO™ T2G automotive MCU family CYT4EN series (TVII-C-2D-6M-DDR) revision A is supported as production-level quality.
	The following derivatives are added to the "Supported derivatives" table:
	CYT4ENDBAS, CYT4ENDBCS, CYT4ENDBES, CYT4ENDBGS, CYT4ENDBJS
	CYT4ENDBLS, CYT4ENDBNS, CYT4ENDBQS
	Added support for IAR compiler for Adc (ExPack).
	The following modules are updated: Adc, Adc (ExPack), AdcMc (ExPack), Base, Can, Dio, DioMc, Fls, Fls (for CM0+), Gpt, GptMc, Icu, IcuMc, Lin, Make, Mcu, McuMc, Ocu, Port, PortMc, Pwm, PwmMc, Resource, Spi, SpiMc, Wdg, WdgMc
	See release notes for details.
1.16.0	The following modules are updated: Base, Fls, Fls (For CM0+), Make, Mcu, McuMc, Platforms, Port, and PortMc.
	For the following modules, only documentation is updated: Base, Fls, Fls (For CM0+).
	For details on the changes, see the release notes.

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