



Test Report

Test Started: 2022-02-15 09:01:59

Test Run Time: 9.79s

Test Status: Fail

Test Profile: C-C / SS Gen 1 / 3A handpiece
Dental Wings handpiece USB C-C cable test

Error Summary

Cont

Orientation Sanity

Sig Int

Missing SI Result

E-Marker

"D" Port

SOP' Data
SOP' Controller Not Found

"U" Port

SOP' Data
SOP' Controller Not Found

Continuity

Connector Orientation		
Port	Connector Type	Orientation
"U" Port	USB 3.1 Type-C	Normal
"D" Port	USB 3.1 Type-C	Normal

V _{BUS} Voltage Reference		
	Voltage	Valid Range
✓	4.75 V	4.75 - 5.10 V

Power Shorts		
	Wires	Shorts
✓	V _{BUS} to GND	None
✓	CC to GND	None
✓	CC to V _{BUS}	None

Physical Wiring	
"D" Port Pin	"U" Port Pin
DM1	No Connection
DP1	No Connection
DM2	No Connection
DP2	No Connection
SBU1	No Connection

Functional Signals	
Wire	Present
CC	Present
V _{CONN}	Absent
V _{CONN} Thru	Absent
SBU	Absent
DP/DM1	Absent

	"D" Port Pin	"U" Port Pin
	SBU2	No Connection
✓	TX1	RX1
✓	RX1	TX1

	Wire	Present
	DP/DM2	Absent
	SOP'	Absent
	SOP''	Absent
✓	TX1	Present
✓	RX1	Present
	TX2	Absent
	RX2	Absent

DC Resistance

Power Wires			
	Wire	Measured Value	Maximum
✓	GND	59.03 mΩ	83.00 mΩ
✓	V _{BUS}	98.92 mΩ	167.00 mΩ

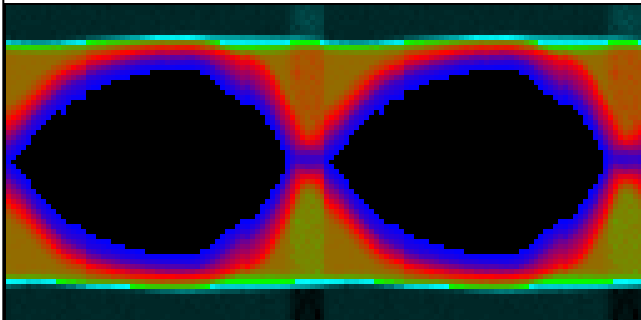
GND Pins			
	Pin	Measured Value	Maximum
✓	U-A1	8.36 mΩ	40.00 mΩ
✓	U-A12	7.15 mΩ	40.00 mΩ
✓	U-B1	6.05 mΩ	40.00 mΩ
✓	U-B12	4.40 mΩ	40.00 mΩ
✓	D-A1	5.98 mΩ	40.00 mΩ
✓	D-A12	6.56 mΩ	40.00 mΩ
✓	D-B1	5.53 mΩ	40.00 mΩ
✓	D-B12	4.55 mΩ	40.00 mΩ

V _{BUS} Pins			
	Pin	Measured Value	Maximum
✓	U-A9	10.38 mΩ	40.00 mΩ
✓	U-B4	5.90 mΩ	40.00 mΩ
✓	U-B9	5.22 mΩ	40.00 mΩ
✓	U-A4	6.77 mΩ	40.00 mΩ
✓	D-A9	6.66 mΩ	40.00 mΩ
✓	D-B4	9.17 mΩ	40.00 mΩ
✓	D-B9	6.88 mΩ	40.00 mΩ
✓	D-A4	4.80 mΩ	40.00 mΩ

Signal Integrity

TX1

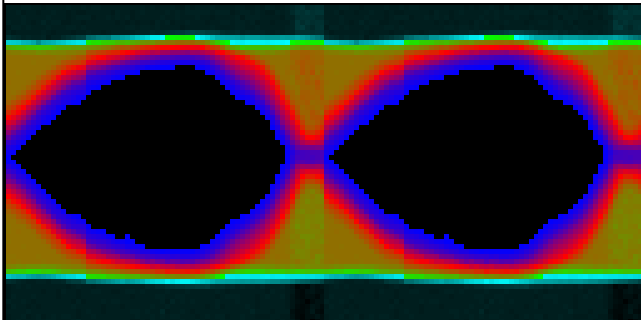
5000.65 Mbps



Parameter	Measured Value	Minimum
✓ HEO	52	15
✓ VEO	108	95

RX1

5000.65 Mbps



Parameter		Measured Value	Minimum
✓	HEO	51	15
✓	VEO	104	95

Equipment

Device Information	
Name	Value
Promira Serial Platform Serial Number	2416-629406
Advanced Cable Tester Serial Number	2468-197299
Hardware Version	0.93
Firmware Version	1.13
Web Version	1.13

Connector Test & Insertion Counts		
Port	Connector	Counts
Upstream	USB 3.1 Type-C	248
Downstream	USB 3.1 Type-C	217
Upstream Adapter	None	
Downstream Adapter	None	