



## Test Report

**Test Started:** 2022-02-15 08:59:13

**Test Run Time:** 9.82s

**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 <sub>BUS</sub> Voltage Reference		
	Voltage	Valid Range
✓	4.76 V	4.75 - 5.10 V

Power Shorts		
	Wires	Shorts
✓	V <sub>BUS</sub> to GND	None
✓	CC to GND	None
✓	CC to V <sub>BUS</sub>	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 <sub>CONN</sub>	Absent
V <sub>CONN</sub> 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	60.17 mΩ	83.00 mΩ
✓	V <sub>BUS</sub>	99.02 mΩ	167.00 mΩ

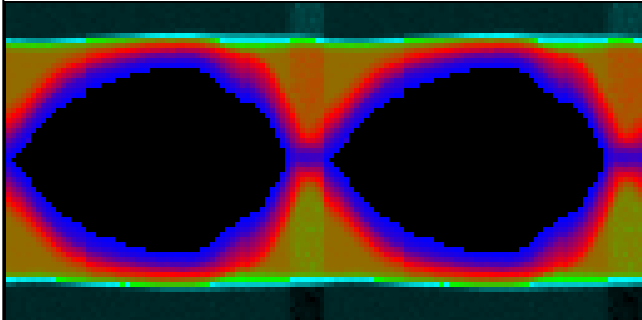
GND Pins			
	Pin	Measured Value	Maximum
✓	U-A1	8.09 mΩ	40.00 mΩ
✓	U-A12	7.14 mΩ	40.00 mΩ
✓	U-B1	5.93 mΩ	40.00 mΩ
✓	U-B12	4.42 mΩ	40.00 mΩ
✓	D-A1	5.56 mΩ	40.00 mΩ
✓	D-A12	6.24 mΩ	40.00 mΩ
✓	D-B1	5.44 mΩ	40.00 mΩ
✓	D-B12	4.74 mΩ	40.00 mΩ

V <sub>BUS</sub> Pins			
	Pin	Measured Value	Maximum
✓	U-A9	10.59 mΩ	40.00 mΩ
✓	U-B4	5.86 mΩ	40.00 mΩ
✓	U-B9	4.62 mΩ	40.00 mΩ
✓	U-A4	6.99 mΩ	40.00 mΩ
✓	D-A9	6.42 mΩ	40.00 mΩ
✓	D-B4	9.60 mΩ	40.00 mΩ
✓	D-B9	6.21 mΩ	40.00 mΩ
✓	D-A4	5.16 mΩ	40.00 mΩ

## Signal Integrity

TX1

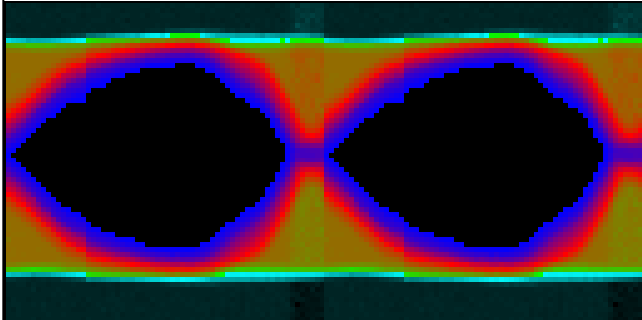
5000.65 Mbps



Parameter	Measured Value	Minimum
✓ HEO	52	15
✓ VEO	110	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	245
Downstream	USB 3.1 Type-C	214
Upstream Adapter	None	
Downstream Adapter	None	