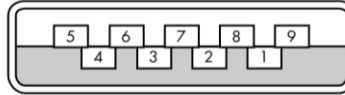


Test Report Details

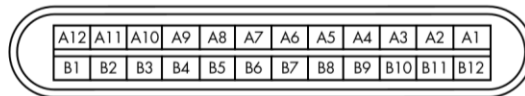
FAIL

TIME	6/15/2021, 16:01:10 GMT+2
------	---------------------------

TEST PROFILE	USB 3.1 Standard-A to USB Type-C
--------------	----------------------------------



















Plug 1 : USB Standard-A



Plug 2 : USB Type-C (Flipped Orientation)
















Results

Continuity

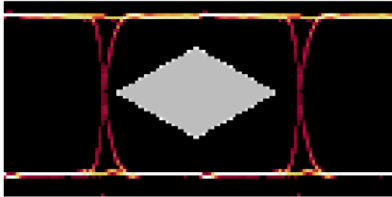
Status	Wire	Plug 1	Expected Plug 1	Plug 2	Expected Plug 2
	CC			A5	A5
	DN, DN1	2	2	A7	A7
	DN2			B7	B7
	DP, DP1	3	3	A6	A6
	DP2			B6	B6
	GND, GND_DRAIN, SHIELD	4, 7, SHELL	4, 7, SHELL	A1, A12, B1, B12, SHELL	A1, A12, B1, B12, SHELL
	RX2N			A10	A10
	RX2P			A11	A11
	RX_N, TX1N	5	5	A3	A3
	RX_P, TX1P	6	6	A2	A2
	SBU1			A8	A8
	SBU2			B8	B8
	TX2N			B3	B3
	TX2P			B2	B2
	TX_N, RX1N	8	8	B10	B10
	TX_P, RX1P	9	9	B11	B11


	VBUS	1	1	A4, A9, B4, B9	A4, A9, B4, B9
	VCONN			B5	B5


DC Resistance

Status	Group	Label	Sources	Sinks	Expected Min (Ω)	Expected Max (Ω)	Measured (Ω)
	GND Pins	Plug 2 Pin B1	Plug 2: B1	Plug 1: 4, 7, SHELL Plug 2: A12, SHELL, A1, B12	0.000	0.040	0.022
	GND Pins	Plug 2 Pin A12	Plug 2: A12	Plug 1: 4, 7, SHELL Plug 2: B1, SHELL, A1, B12	0.000	0.040	0.021
	SHIELD Pins	Plug 2 Pin SHELL	Plug 2: SHELL	Plug 1: 4, 7, SHELL Plug 2: B1, A12, A1, B12	0.000	1.500	0.018
	GND Pins	Plug 2 Pin A1	Plug 2: A1	Plug 1: 4, 7, SHELL Plug 2: B1, A12, SHELL, B12	0.000	0.040	0.020
	GND Pins	Plug 2 Pin B12	Plug 2: B12	Plug 1: 4, 7, SHELL Plug 2: B1, A12, SHELL, A1	0.000	0.040	0.020
	VBUS Pins	Plug 2 Pin B4	Plug 2: B4	Plug 1: 1 Plug 2: A9, B9, A4	0.000	0.040	0.024
	VBUS Pins	Plug 2 Pin A9	Plug 2: A9	Plug 1: 1 Plug 2: B4, B9, A4	0.000	0.040	0.022
	VBUS Pins	Plug 2 Pin B9	Plug 2: B9	Plug 1: 1 Plug 2: B4, A9, A4	0.000	0.040	0.023
	VBUS Pins	Plug 2 Pin A4	Plug 2: A4	Plug 1: 1 Plug 2: B4, A9, B9	0.000	0.040	0.021
	Wires	GND	Plug 1: 4	Plug 2: B1, A12, A1, B12	0.000	0.083	0.075
	Wires	VBUS	Plug 1: 1	Plug 2: B4, A9, B9, A4	0.000	0.167	0.106
	Wires	SHIELD	Plug 1: SHELL	Plug 2: SHELL	0.000	15.000	1.708
	Wires	GND+SHIELD A-Side Link	Plug 1: SHELL	Plug 1: 4	0.000	0.892	1.627
	Resistors	Rp Resistor	Plug 2: A5	Plug 1: 1 Plug 2: B4, A9, B9, A4	53.20k	58.80k	55.50k
	Resistors	B5 Resistor	Plug 2: B5	Plug 1: 1 Plug 2: B4, A9, B9, A4	∞	∞	∞

Signal Integrity

DATA RATE (MBIT/S) <div style="text-align: center; border: 1px solid black; padding: 2px;">1,041.00</div>	DE-EMPHASIS (DB) <div style="text-align: center; border: 1px solid black; padding: 2px;">0.00</div>									
TRANSMIT PAIR <div style="text-align: center; border: 1px solid black; padding: 2px;">Plug 1: 3, 2</div>	RECEIVE PAIR <div style="text-align: center; border: 1px solid black; padding: 2px;">Plug 2: A6, A7</div>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:5%;"></th> <th style="width:15%;">Expected</th> <th style="width:15%;">Measured</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">✓ HEO</td> <td style="text-align: center;">80%</td> <td style="text-align: center;">94%</td> </tr> <tr> <td style="text-align: center;">✓ VEO</td> <td style="text-align: center;">53%</td> <td style="text-align: center;">92%</td> </tr> </tbody> </table>		Expected	Measured	✓ HEO	80%	94%	✓ VEO	53%	92%	
	Expected	Measured								
✓ HEO	80%	94%								
✓ VEO	53%	92%								

DATA RATE (MBIT/S) <div style="text-align: center; border: 1px solid black; padding: 2px;">10,070.00</div>	DE-EMPHASIS (DB) <div style="text-align: center; border: 1px solid black; padding: 2px;">-3.50</div>									
TRANSMIT PAIR <div style="text-align: center; border: 1px solid black; padding: 2px;">Plug 1: 9, 8</div>	RECEIVE PAIR <div style="text-align: center; border: 1px solid black; padding: 2px;">Plug 2: B11, B10</div>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:5%;"></th> <th style="width:15%;">Expected</th> <th style="width:15%;">Measured</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">✓ HEO</td> <td style="text-align: center;">58%</td> <td style="text-align: center;">79%</td> </tr> <tr> <td style="text-align: center;">✓ VEO</td> <td style="text-align: center;">33%</td> <td style="text-align: center;">72%</td> </tr> </tbody> </table>		Expected	Measured	✓ HEO	58%	79%	✓ VEO	33%	72%	
	Expected	Measured								
✓ HEO	58%	79%								
✓ VEO	33%	72%								

DATA RATE (MBIT/S) <div style="text-align: center; border: 1px solid black; padding: 2px;">10,070.00</div>	DE-EMPHASIS (DB) <div style="text-align: center; border: 1px solid black; padding: 2px;">-3.50</div>									
TRANSMIT PAIR <div style="text-align: center; border: 1px solid black; padding: 2px;">Plug 2: A2, A3</div>	RECEIVE PAIR <div style="text-align: center; border: 1px solid black; padding: 2px;">Plug 1: 6, 5</div>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:5%;"></th> <th style="width:15%;">Expected</th> <th style="width:15%;">Measured</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">✓ HEO</td> <td style="text-align: center;">58%</td> <td style="text-align: center;">79%</td> </tr> <tr> <td style="text-align: center;">✓ VEO</td> <td style="text-align: center;">33%</td> <td style="text-align: center;">79%</td> </tr> </tbody> </table>		Expected	Measured	✓ HEO	58%	79%	✓ VEO	33%	79%	
	Expected	Measured								
✓ HEO	58%	79%								
✓ VEO	33%	79%								

Equipment

ADVANCED CABLE TESTER INFORMATION	
Firmware Version:	2.5.0
Hardware Version:	2.1.1
Serial Number:	2870-381671
MODULE INFORMATION	
Module Information:	ACT v2 Connector Module: USB 3.1 Standard-A to USB Type-C
Serial Number:	3037-354299