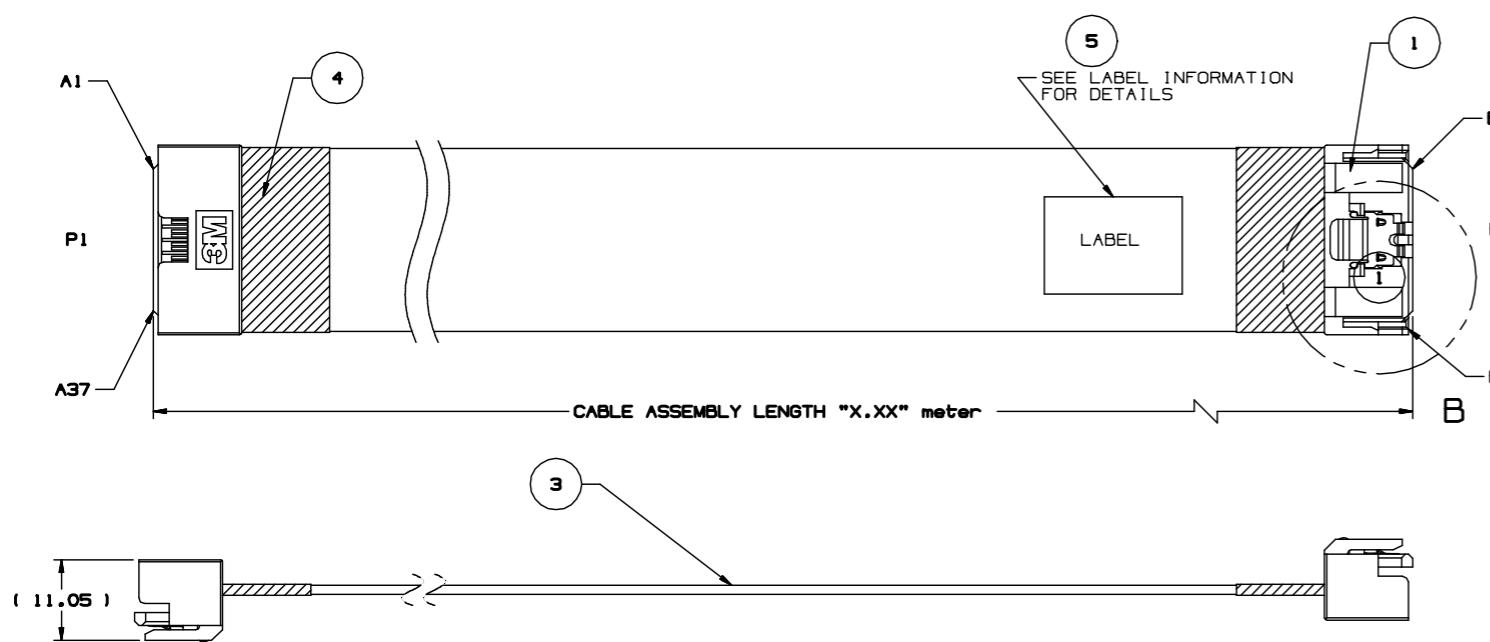


3M™ LOW PROFILE I/O TWIN AXIAL CABLE ASSEMBLY



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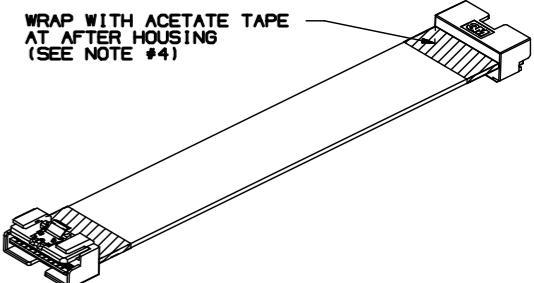
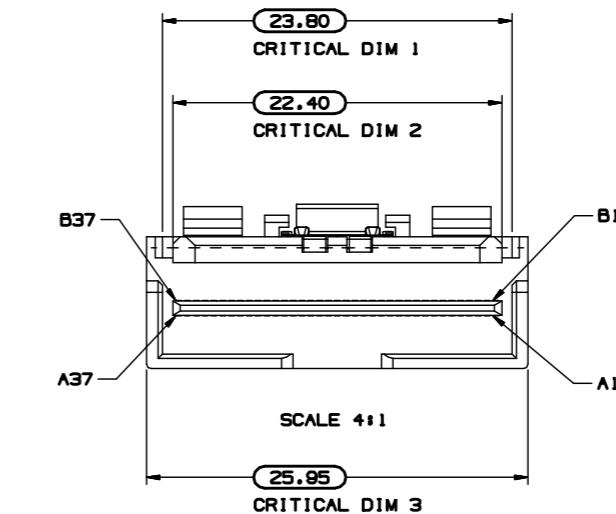
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Electronics Materials Solutions Division
13011 McCallen Pass, Bldg. C
Austin, TX 78753-5380
1-800-225-5373
www.3M.com/interconnect

NOTES:

1. PADDLECARD PLATING:
30/⁺ MIN. GOLD PLATING
50/⁺ MIN. NICKEL UNDERPLATING.
2. UNLESS OTHERWISE NOTED, REFERENCES TO INDUSTRY SPECIFICATIONS ARE INTENDED TO INDICATE SUBSTANTIAL COMPLIANCE TO THE MATERIAL ELEMENTS OF THE SPECIFICATION. SUCH REFERENCE SHOULD NOT BE CONSTRUED AS A GUARANTEE OF COMPLIANCE TO ALL REQUIREMENTS IN A GIVEN SPECIFICATION.
3. CLOTH TAPE WRAPPED AROUND CABLE RIBBONS AT BACK OF EACH CONNECTOR. ALSO, UP TO TWO ADDITIONAL TAPE PIECES WILL BE WRAPPED AROUND THE TWO CABLE RIBBONS SPACED EQUIDISTANT FROM THE CONNECTOR ENDS AND EACH OTHER, DEPENDING ON ASS'Y LENGTH (L):
L <= 0.2M: NO ADDITIONAL TAPE
0.2M < L <= 0.6M: 1 TAPE WRAP
0.6M < L <= 1.0M: 2 TAPE WRAP
4. TWO RIBBONS OF 3M RIBBON TWIN AXIAL CABLE, SL8802/24-CYENS-00, 85 OHM, 31AWG, 12PR MEET HORIZONTAL-SPECIMEN APPLICANCE - WIRE FLAME TEST IN SECTION 1090 OF UL 1581 STANDARD.
5. THIS CABLE CONSTRUCTION HAS A THIN ALUMINUM LAYER AT EACH EDGE. USER SHOULD EVALUATE ITS USE IN THEIR APPLICATION AND, IF NECESSARY, INSULATING TAPE MAY BE APPLIED TO COVER THE ALUMINUM LAYER, AS USER DEEMS APPROPRIATE.
6. LENGTH TOLERANCE:
±5MM FOR LENGTH <= 0.5 METERS
±10MM FOR LENGTH > 0.5 METERS.

ITEM	3M PART NUMBER	LENGTH "X.XX" meter	REMARKS
1	8CS8-1AG21-0.50	0.50	MIN PCIe G4, 8X
2	8CS8-1AG21-0.75	0.75	MIN PCIe G4, 8X
3	8CS8-1AG21-1.00	1.00	MIN PCIe G4, 8X
4	8CS8-1AG21-X.XX	OTHER LENGTHS	CONTACT 3M SALES

TABLE 1 : BILL OF MATERIALS			
ITEM #	ITEM	DESCRIPTION	QTY
1	CONNECTOR	LOW PROFILE I/O PLUG, STRAIGHT, OVERMOLDED	2
2	PCB	PADDLECARD, 1mm SUFFIX G2- 3M PN: 78-9102-7893-2	2
3	CABLE	RIBBON TWINAX CABLE 3M PN:SL8802/24-CYENS-00 3M DWG: 78-9102-4601-2	AR
4	TAPE	BLACK ACETATE TAPE, HF	AR
5	LABEL	CABLE ASSEMBLY DESIGNATOR LABEL	1



P1 LP1/0	P2 LP1/0	P1 LP1/0	P2 LP1/0
A1 GND B1	A2 RX0+ B2	B1 GND A1	A2 RX0+ A2
A3 RX0- B3	A4 GND B4	B2 RX0- A3	A4 GND A4
A5 TX1+ B5	A6 TX1- B6	B3 RX1+ A5	A5 TX1- A5
A7 GND B7	A8 TX2+ B8	B4 RX1- A6	A6 RX2+ A6
A9 TX2- B9	A10 GND B10	B5 GND A7	A7 GND A7
A11 TX3+ B11	A12 TX3- B12	B6 RX3+ A8	A8 RX3- A8
A13 GND B13	A14 TX4+ B14	B7 RX3- A9	A9 GND A9
A15 TX4- B15	A16 GND B16	B8 RX4+ A10	A10 GND A10
A17 TX5+ B17	A18 TX5- B18	B9 RX4- A11	A11 RX5+ A11
A19 GND B19	A20 TX6+ B20	B10 RX5- A12	A12 RX6+ A12
A21 TX6- B21	A22 GND B22	B11 RX6- A23	A23 RX7+ A23
A23 TX7+ B23	A24 TX7- B24	B12 RX7- A24	A24 RX7- A24
A25 GND B25	A26 TX8+ B26	B13 GND A25	A25 GND A25
A27 TX8- B27	A28 GND B28	B14 RX8+ A26	A26 RX8+ A26
A29 TX9+ B29	A30 TX9- B30	B15 RX8- A27	A27 RX8- A27
A31 GND B31	A32 TX10+ B32	B16 GND A28	A28 GND A28
A32 TX10- B33	A33 TX10- B33	B17 RX9+ A29	A29 RX9+ A29
A34 GND B34	A35 TX11+ B35	B18 RX9- A30	A30 RX9- A30
A36 TX11- B36	A37 GND B37	B19 GND A31	A31 GND A31
		B20 RX10+ A32	A32 RX10+ A32
		B21 RX10- A33	A33 RX10- A33
		B22 GND A34	A34 GND A34
		B23 RX11+ B35	A35 RX11+ A35
		B24 RX11- B36	A36 RX11- A36
		B25 GND A37	A37 GND A37

A 0094206	JAN 14, 2021	REV. RL	RL
New Release		RL	
DESIGN REFERENCE	NEXT ASSEMBLY	ISSUE DATE AND DESCRIPTION	DRFT CHKD
ADVISORY CODES	REV. ECO	JAN 14, 2021 00	JAN 14, 2021
PCB	PCB	JAN 14, 2021 00	JAN 14, 2021 00
DO NOT SCALE DRAWING	SCALE 1	TOLERANCES EXCEPT AS NOTED	INCHES
INTERPRET AS	INTERPRET AS	INCHES	MILLIMETERS
ASME Y14.5 - 2018	ASME Y14.5 - 2018	0.00 ± 0.000	0.00 ± 0.000
MAX SURFACE ROUGHNESS		0.00 ± 0.005	0.00 ± 0.013
125 V MARKED ONLY		0.000 ± 0.005	0.000 ± 0.005
CAGE NUMBER		SIZE	DRAWING NO.
		1	D 78-5100-2723-4
MODEL		REV.	A
DET. LISTS		DET. NO	SHT 1 OF 1

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LOW PROFILE I/O STD CABLE ASSY DWG/ TS-2723

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[3M](#):

[8CS8-1AG21-0.50](#) [8CS8-1AG21-0.75](#) [8CS8-1AG21-1.0](#)