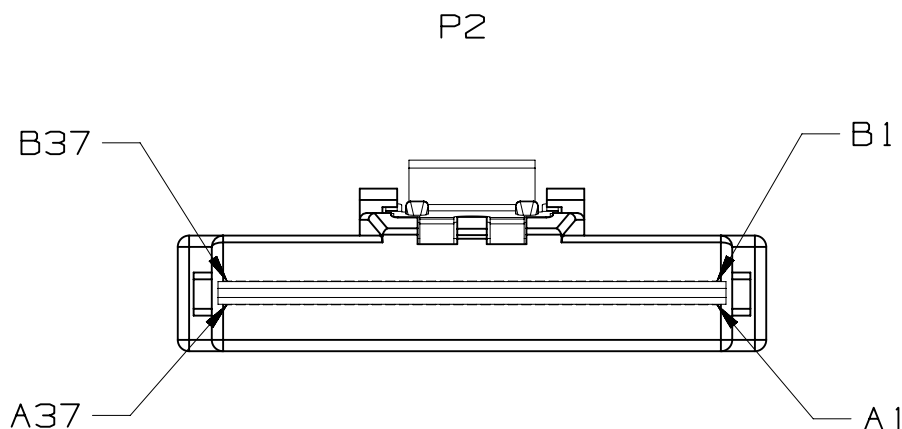
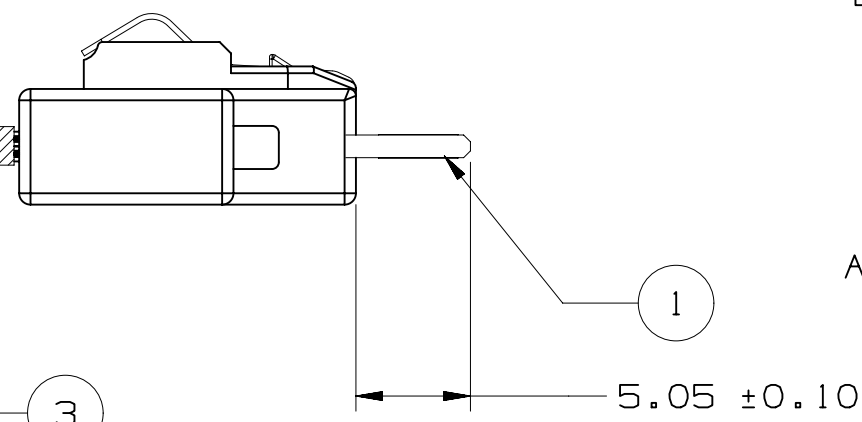
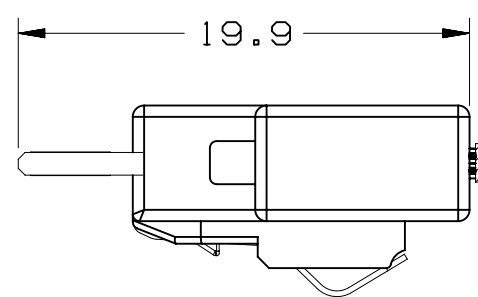
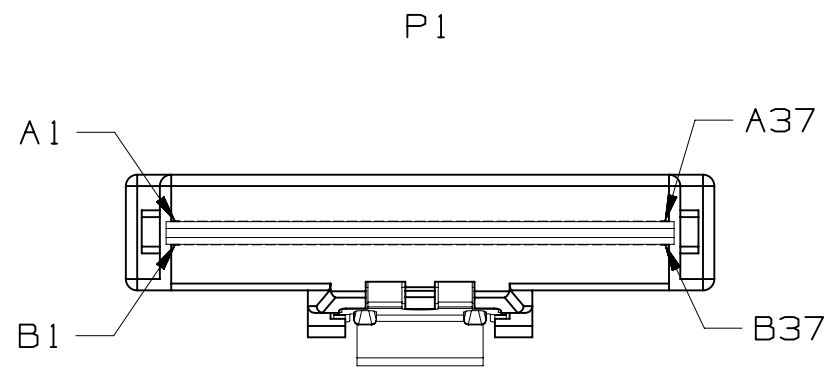
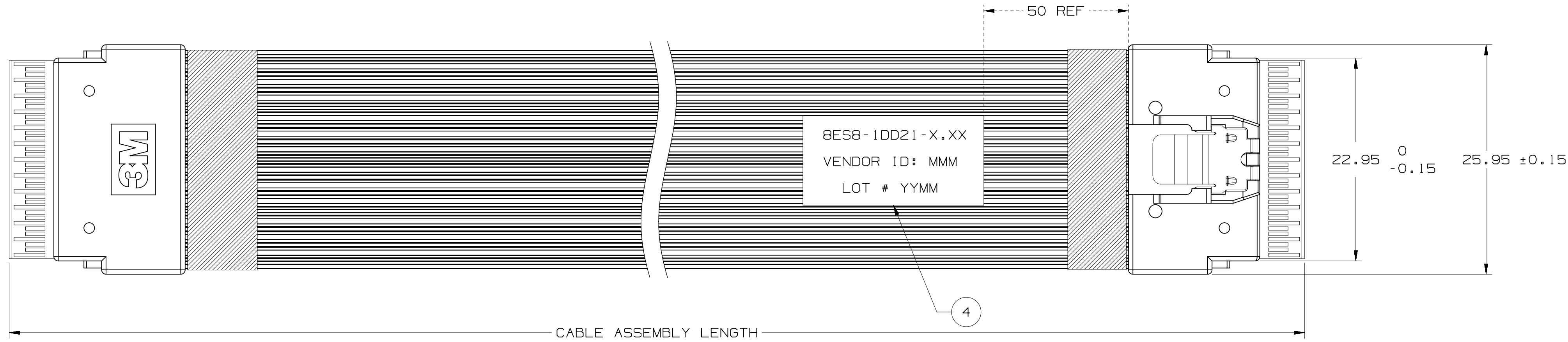


3M™ SlimLine Twin Axial Cable Assembly (SFF-8654) for SAS and PCIe applications



NOTES:

- REGULATORY INFORMATION:  
EU ROHS COMPLIANT.  
ALL MATERIAL COMPONENTS AND MANUFACTURING PROCESSES FOR THIS PRODUCT COMPLY WITH ROHS 2015/863. SEE [HTTP://SOLUTIONS.3M.COM/WPS/PORTAL/3M/EN\\_US/ROHS-CERT/HOME/ROHSSEARCH/](http://solutions.3m.com/wps/portal/3m/en_us/rohs-cert/home/rohssearch/) FOR ROHS/REACH DECLARATION.
- PADDECARD PLATING:  
30μ" MIN. GOLD PLATING  
50μ" MIN. NICKEL UNDERPLATING.  
P/N: 78-9102-4549-3
- SLIMLINE CABLE PLUG DIMENSIONS ARE DESIGNED TO SFF-8654.
- 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.
- 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
- PRODUCT SPECIFICATION: PS-240.
- CABLE ASSEMBLY MEETS SAS 3.0 SDD21 INSERTION LOSS SPECIFICATIONS UP TO 900mm LENGTH.
- TWO RIBBONS OF 3M RIBBON TWIN AXIAL CABLE.  
SL8802/24-BTMN5-00  
85 OHM, 31AWG, 12PR, HB
- 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.
- LENGTH TOLERANCE:  
±6 MM FOR LENGTHS 0.1 TO 0.4 METERS,  
±10 MM FOR LENGTHS 0.4 TO 1.0 METERS.

3M PART NUMBER : 8ES8-1DD2X-X.XX

- 1 - ST-ST Plug Assembly.  
2 - RA-ST Plug Assembly.  
3 - RA-RA Plug Assembly.

LENGTH IN METERS 0.10 TO 1.00.

PINOUT

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

P1		P2
B1	GND	A1
B2	TX0+	A2
B3	TX0-	A3
B4	GND	A4
B5	TX1+	A5
B6	TX1-	A6
B7	GND	A7
B8	SB+	A8
B9	SB-	A9
B10	GND	A10
B11	SB+	A11
B12	SB-	A12
B13	GND	A13
B14	TX2+	A14
B15	TX2-	A15
B16	GND	A16
B17	TX3+	A17
B18	TX3-	A18
B19	GND	A19
B20	TX4+	A20
B21	TX4-	A21
B22	GND	A22
B23	TX5+	A23
B24	TX5-	A24
B25	GND	AA5
B26	SB+	A26
B27	SB-	A27
B28	GND	A28
B29	SB+	A29
B30	SB-	A30
B31	GND	A31
B32	TX6+	A32
B33	TX6-	A33
B34	GND	A34
B35	TX7+	A35
B36	TX7-	A36
B37	GND	A37

8ES8-1DD2X-X.XX  
VENDOR ID: MMM  
LOT # YYMM

LABEL INFORMATION

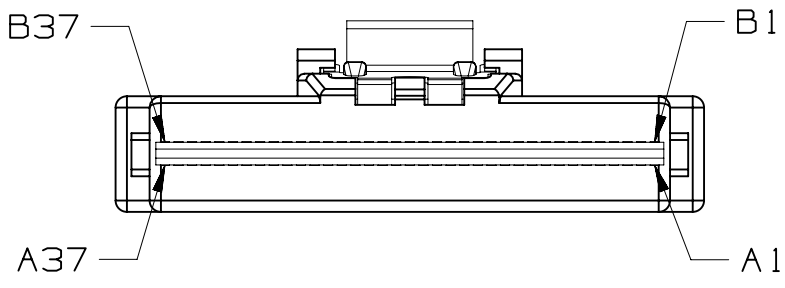
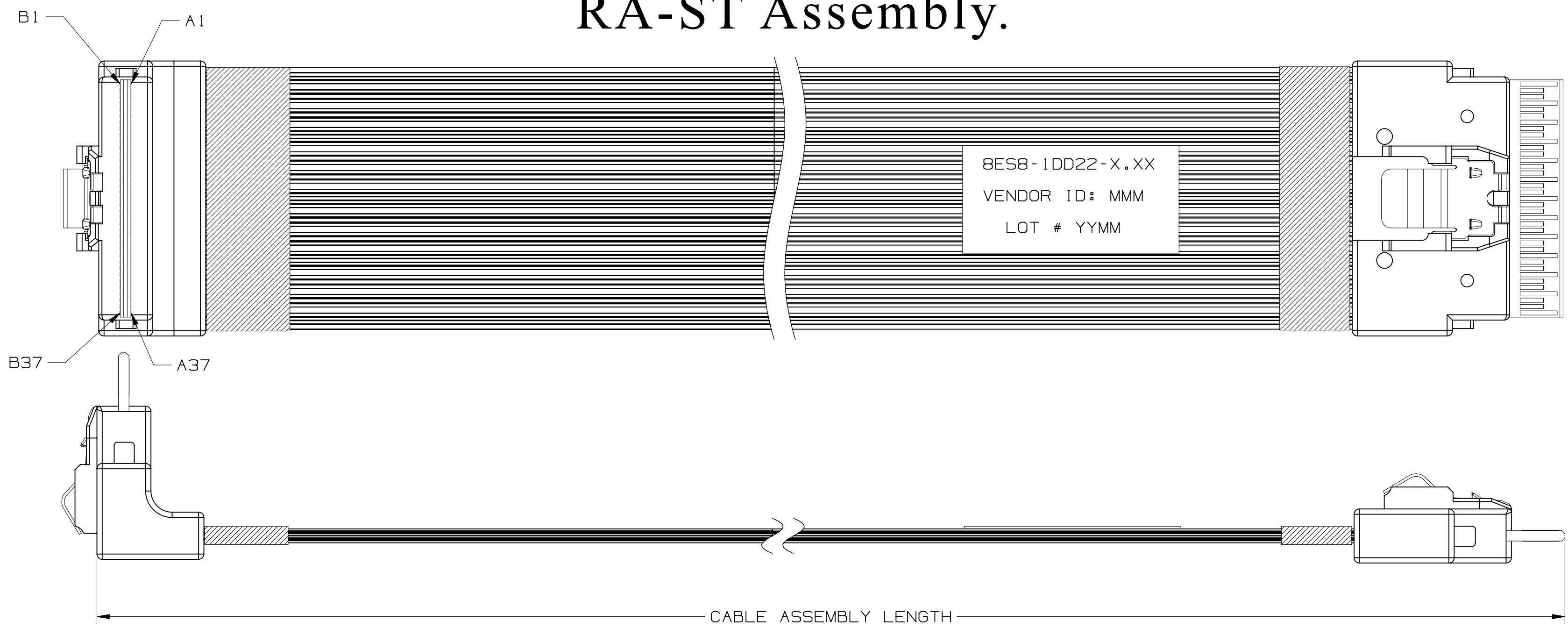
4	LABEL , 40X30MM	1X
3	ACETATE TAPE	AS REQUIRED
2	TWIN AX CABLE , REFER TO NOTES	AS PER LENGTH
1	SLIMLINE PLUG STRAIGHT OR RIGHT ANGLE	2X
ITEM	SPECIFICATION	QUANTITY

DESIGN REFERENCE		NEXT ASSEMBLY		A 73021		MAR 27,2017		RAO		RAO	
REV	ECO	ISSUE	DATE AND DESCRIPTION	DRFT	CHKD	REV	ECO	ISSUE	DATE AND DESCRIPTION	DRFT	CHKD
1		0002	0003			1		0002	0003		
DIVISION				DIVISION CODE				3M Center St. Paul, MN 55144			
DO NOT SCALE DRAWING				SCALE				TOLERANCES EXCEPT AS NOTED			
THIRD ANGLE PROJECTION				INTERPRET PER ASME Y14.5 - 2009				MILLIMETERS			
MAX SURFACE ROUGHNESS				125				INCHES			
ALL SURFACES				MARKED ONLY				ANGLES ±1°			
CAGE NUMBER		SIZE		DRAWING NO.		REV.		CAGE NUMBER		SIZE	
D		78-5100-2675-6		A		A		D		78-5100-2675-6	
MODEL		DET		LISTS		YES		NO		SHT 1 OF 2	

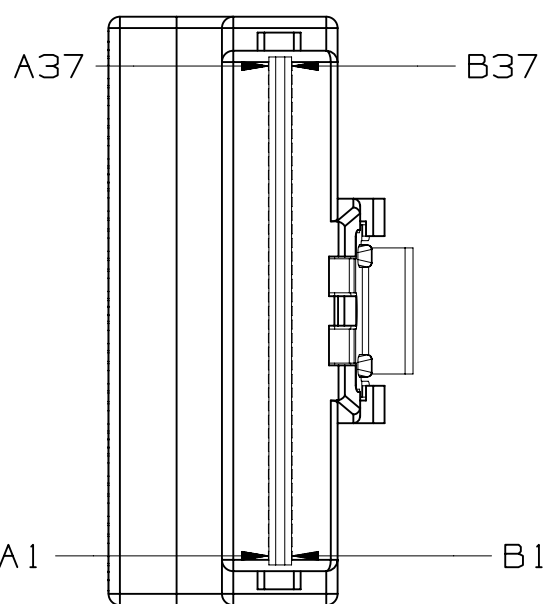
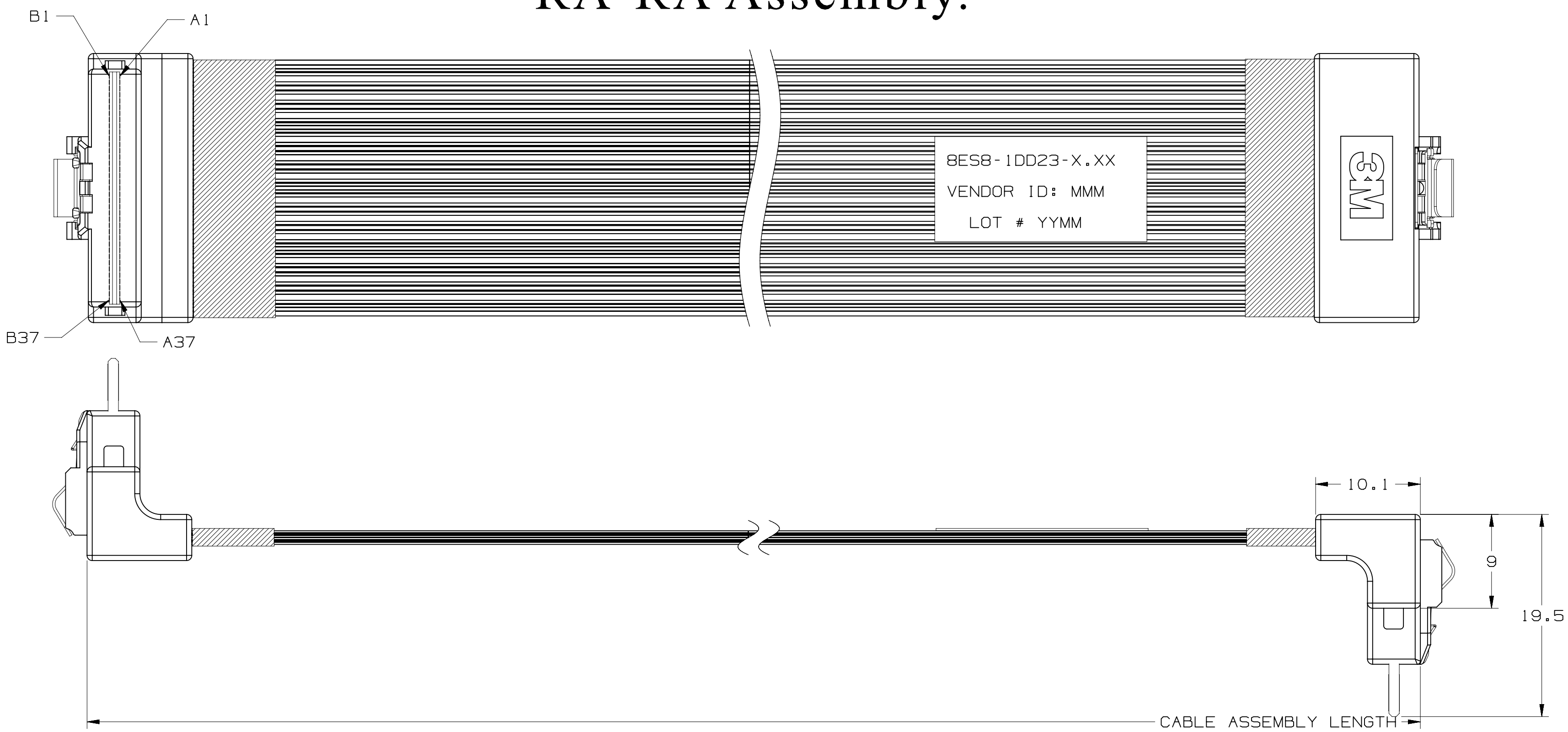
NOTE: ALL GND SIGNALS ARE TIED TOGETHER IN THE PADDECARDS AT EACH END OF ASSEMBLY (A1, A4, A7, A13, A16, A19, A22, A25, A31, A33, A37, B1, B4, B7, B10, B13, B16, B19, B22, B25, B28, B31, B34, B37)

3M™ SlimLine Twin Axial Cable Assembly (SFF-8654) for SAS and PCIe applications

RA-ST Assembly.



RA-RA Assembly.



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DESIGN REFERENCE		NEXT ASSEMBLY		A   73021		MAR 27,2017		Rao Rao	
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD	DATE	REV	DATE	DATE	CHKD
1		Rao Vittapalli	MAR 27,2017	Liu JG	MAR 27,2017				
2		Rao Vittapalli	MAR 27,2017	Saujit Bandhu	MAR 27,2017				
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DO NOT SCALE DRAWING		SCALE		TOLERANCES EXCEPT AS NOTED		TITLE CUSTOMER DRAWING SLIMLINE 85 OHM X8 31AWG CABLE ASSY			
THIRD ANGLE PROJECTION		INCHES		MILLIMETERS		CAGE NUMBER D 78-5100-2675-6			
INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		ANGLES ±1°		REV. A			
125 /		ALL SURFACES				MODEL			
X MARKED ONLY						DET LISTS			
						YES X NO			
						SHT 2 OF 2			