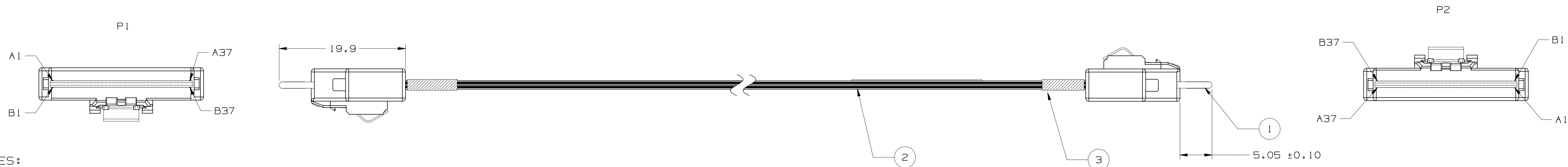
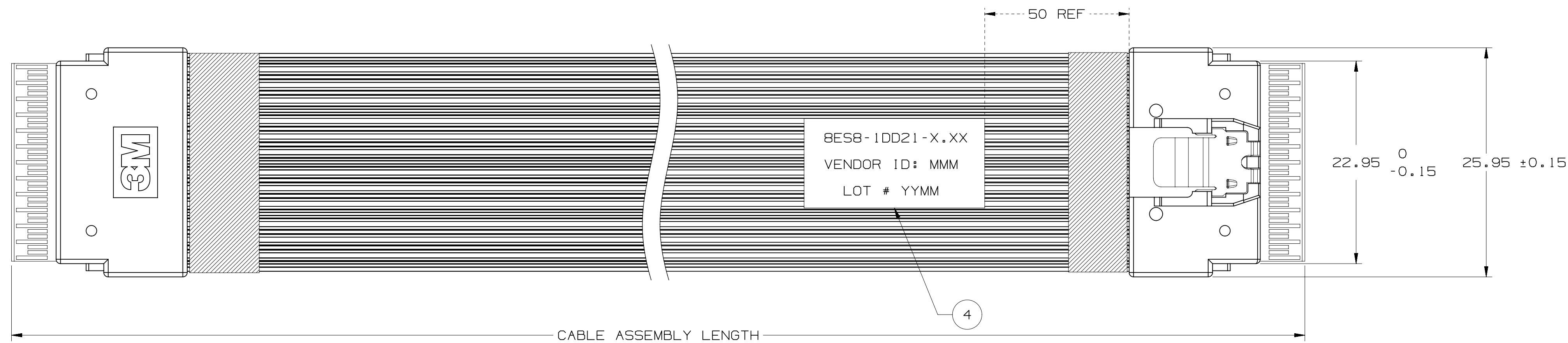


3M™ SlimLine Twin Axial Cable Assembly (SFF-8654) for SAS and PCIe applications



NOTES :

1. 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/FOR ROHS/REACH DECLARATION](http://SOLUTIONS.3M.COM/WPS/PORTAL/3M/EN_US/ROHS-CERT/HOME/ROHSSEARCH/FOR%20ROHS/REACH%20DECLARATION).
2. PADDLECARD PLATING:
30μ" MIN. GOLD PLATING
50μ" MIN. NICKEL UNDERPLATING.
P/N: 78-9102-4549-3
3. SLIMLINE CABLE PLUG DIMENSIONS
ARE DESIGNED TO SFF-8654.
4. 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.
5. 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
6. PRODUCT SPECIFICATION: PS-240.
7. CABLE ASSEMBLY MEETS SAS 3.0 SDD21 INSERTION LOSS SPECIFICATIONS UP TO 900mm LENGTH.
8. TWO RIBBONS OF 3M RIBBON TWIN AXIAL CABLE.
SL8802/24-BTMN5-00
85 OHM, 31AWG, 12PR, HB
9. 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.
10. 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

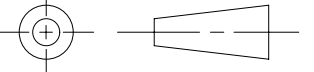
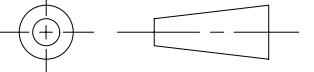
P1		P2		P1		P2
A1	GND	B1		B1	GND	A1
A2	RX0+	B2		B2	TX0+	A2
A3	RX0-	B3		B3	TX0-	A3
A4	GND	B4		B4	GND	A4
A5	RX1+	B5		B5	TX1+	A5
A6	RX1-	B6		B6	TX1-	A6
A7	GND	B7		B7	GND	A7
A8	SB+	B8		B8	SB+	A8
A9	SB-	B9		B9	SB-	A9
A10	GND	B10		B10	GND	A10
A11	SB+	B11		B11	SB+	A11
A12	SB-	B12		B12	SB-	A12
A13	GND	B13		B13	GND	A13
A14	RX2+	B14		B14	TX2+	A14
A15	RX2-	B15		B15	TX2-	A15
A16	GND	B16		B16	GND	A16
A17	RX3+	B17		B17	TX3+	A17
A18	RX3-	B18		B18	TX3-	A18
A19	GND	B19		B19	GND	A19
A20	RX4+	B20		B20	TX4+	A20
A21	RX4-	B21		B21	TX4-	A21
A22	GND	B22		B22	GND	A22
A23	RX5+	B23		B23	TX5+	A23
A24	RX5-	B24		B24	TX5-	A24
A25	GND	B25		B25	GND	A25
A26	SB+	B26		B26	SB+	A26
A27	SB-	B27		B27	SB-	A27
A28	GND	B28		B28	GND	A28
A29	SB+	B29		B29	SB+	A29
A30	SB-	B30		B30	SB-	A30
A31	GND	B31		B31	GND	A31
A32	RX6+	B32		B32	TX6+	A32
A33	RX6-	B33		B33	TX6-	A33
A34	GND	B34		B34	GND	A34
A35	RX7+	B35		B35	TX7+	A35
A36	RX7-	B36		B36	TX7-	A36
A37	GND	B37		B37	GND	A37

NOTE: ALL GND SIGNALS ARE TIED TOGETHER IN THE PADDLECARDS AT EACH END OF ASSEMBLY (A1, A4, A7, A13, A16, A19, A22, A25, A31, A334, A37, B1, B4, B7, B10, B13, B16, B19, B22, B25, B28, B31, B34, B37)

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

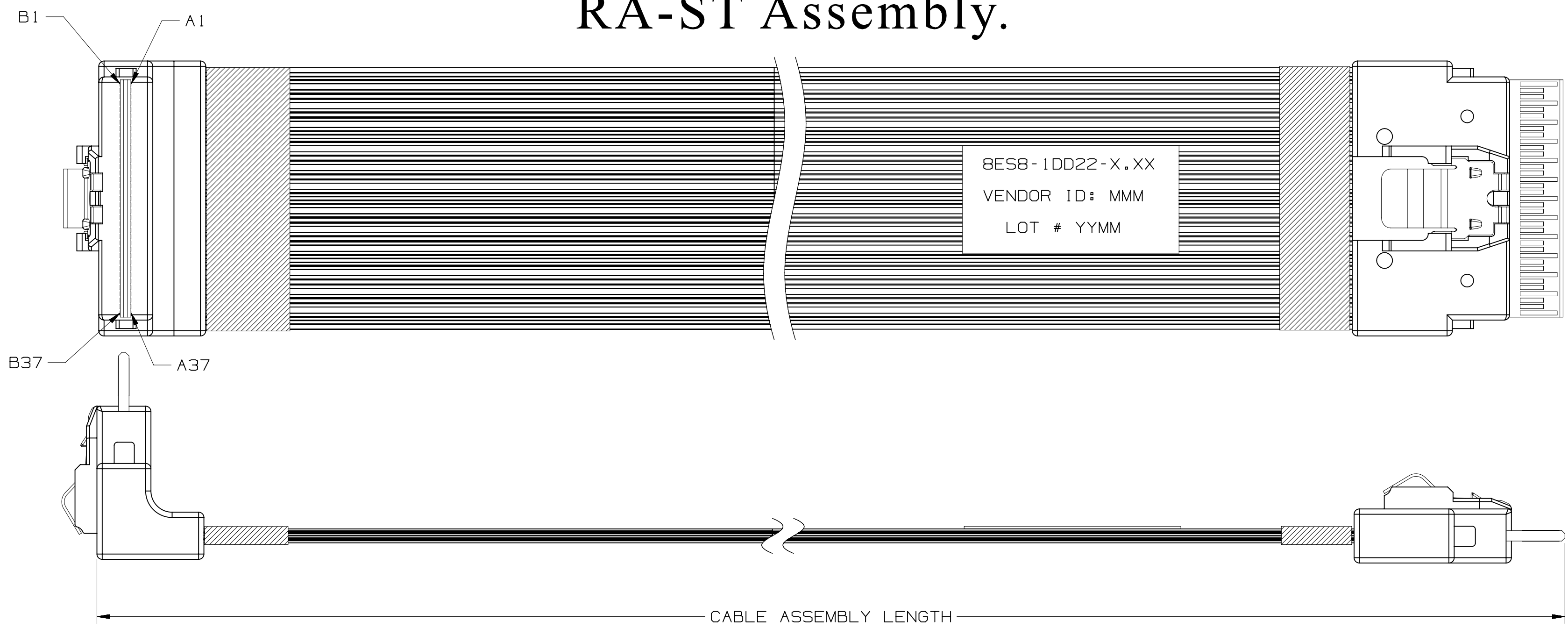
LABEL INFORMATION

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

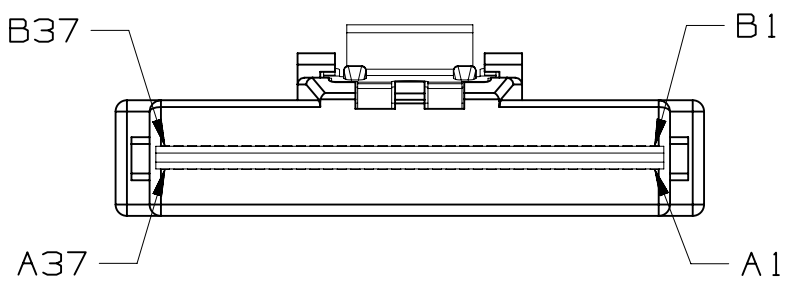
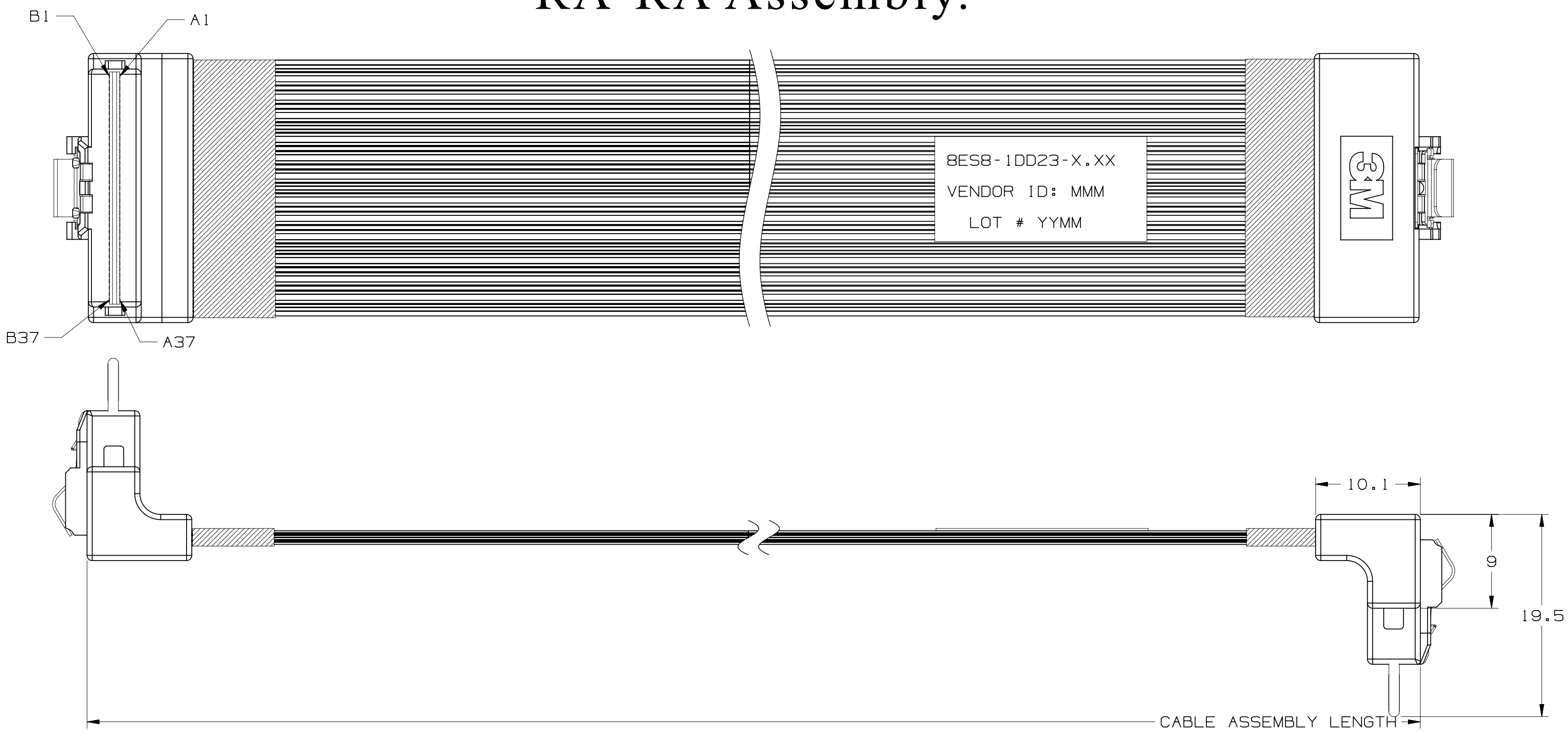
DESIGN REFERENCE				NEXT ASSEMBLY				A 73021				MAR 27, 2017				RAO		RAO	
ACCESS CODES		U562		S0630A				REV ECO		ISSUE DATE AND DESCRIPTION				DRFT		CHKD			
								REF RAO Vittapalli		DATE MAR 27, 2017		INFO Liliu JG		DATE					
								CHD RAO Vittapalli		DATE MAR 27, 2017		APPRV Saurjit Bandhu		DATE MAR 27, 2017					
DIVISION				DIVISION CODE				3M 3M Center St. Paul, MN 55144 © 3M COPYRIGHT 2017 This document and its information is to be controlled by 3M. This property and right may not be reproduced or further distributed without the written permission of 3M. All rights reserved.											
DO NOT SCALE DRAWING				SCALE				TOLERANCES EXCEPT AS NOTED				TITLE				CUSTOMER DRAWING			
								INCHES 0.00 0.000 0.000 ±				SLIMLINE 85 OHM X8							
THIRD ANGLE PROJECTION				THIRD ANGLE PROJECTION				MILLIMETERS 0.00 0.00 ± 0.000 ±.05 0.000 ±.005				31AWG CABLE ASSY							
INTERPRET PER ASME Y14.5 - 2009				INTERPRET PER ASME Y14.5 - 2009				MAX SURFACE ROUGHNESS 125				CAGE NUMBER				SIZE			
☒ ALL SURFACES MARKED ONLY				☒ ALL SURFACES MARKED ONLY				ANGLES ± .005				DRAWING NO.				REV.			
												D				78-5100-2675-6			
MODEL				MODEL				DET. LISTS				YES YES NO				SHT 1 OF 2			

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		INCHES		MILLIMETERS	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		CAGE NUMBER		DRAWING NO.	
125 /		ALL SURFACES MARKED ONLY		0 ±.00 ±.002 ±.0000		D 78-5100-2675-6		REV. A	
				0 ±.01 ±.005 ±.0005		MODEL		SHT 2 OF 2	
				ANGLES ±1°					

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<http://moschip.ru/get-element>

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