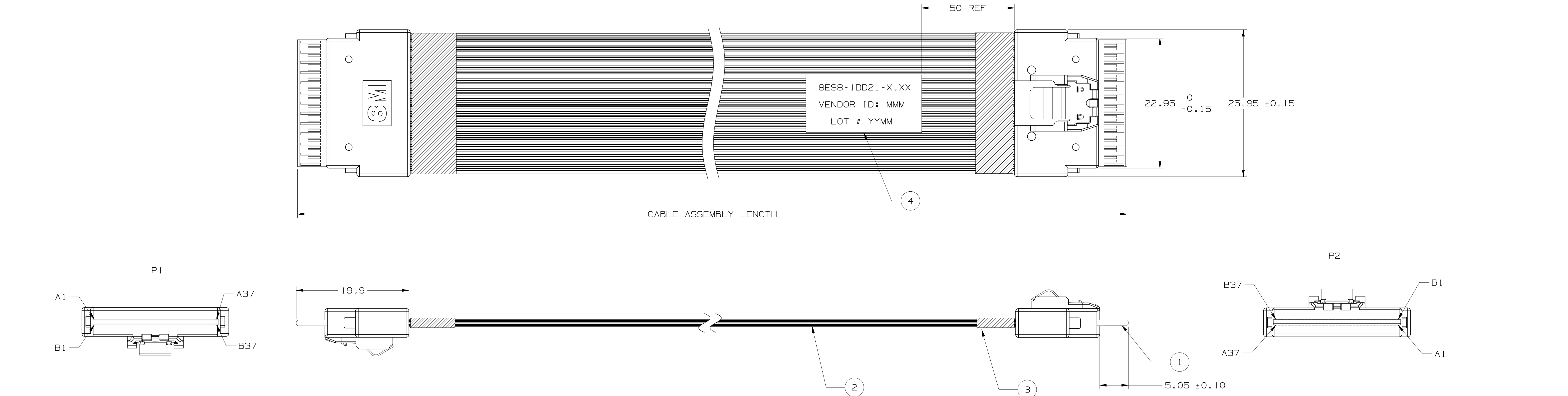


3M™ SlimLine Twin Axial Cable Assembly (SFF-8654) for SAS and PCIe applications



NOTES:

- REGULATORY INFORMATION:
VISIT 3M.com/regs OR CONTACT
YOUR 3M REPRESENTATIVE TO FIND
THE RoHS COMPLIANCE STATUS OF
THE 3M PART YOU ARE INTERESTED IN.
- PADDCARD 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 0.125 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 0.125 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

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

LABEL INFORMATION

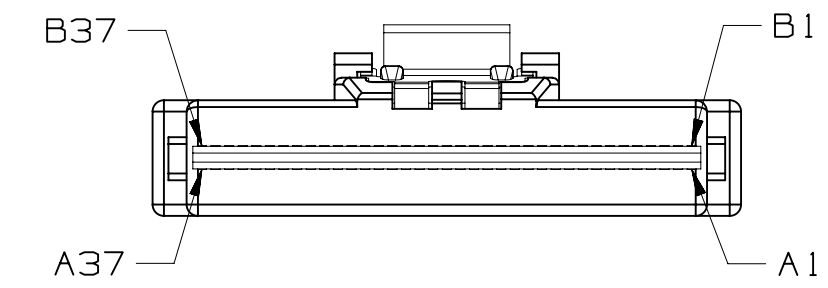
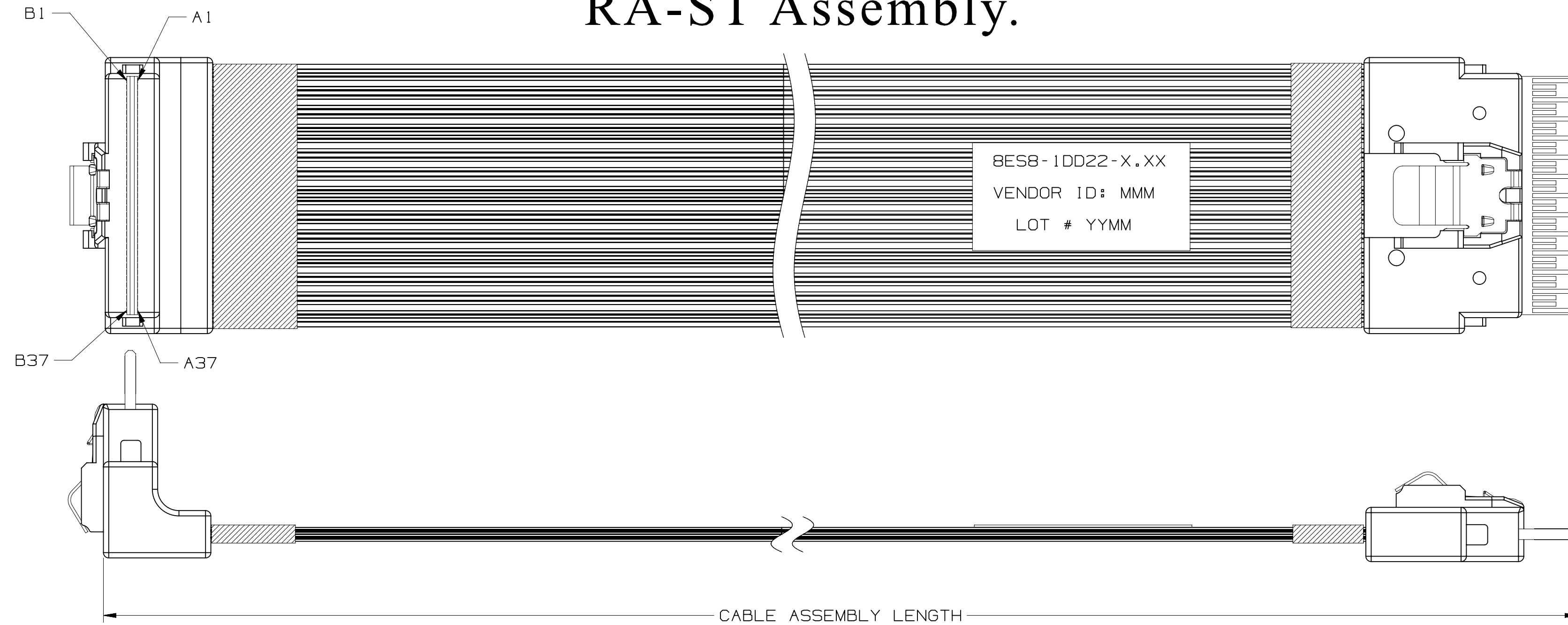
4	LABEL , 40X30MM	1X
3	ACETATE TAPE	AS REQUIRED
2	TWIN AX CABLE , REFER TO NOTES	AS PER LENGTH
1	SLIMLINE PLUG STRAIGHT OR RIGHT ANGLE	2X
ITEM	SPECIFICATION	QUANTITY

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
ADDRESS		US662		S0630a		Rao Vittapalli		MAR 27,2017		Liu JG		MAR 27,2017	
DIVISION		3M Center		St. Paul,		Rao Vittapalli		MAR 27,2017		Saurjit Bandhu		MAR 27,2017	
DO NOT SCALE DRAWING		SCALE		TOLERANCES EXCEPT AS NOTED		3M		© 3M COPYRIGHT 2019		This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.		TITLE	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		CAGE NUMBER		DRAWING NO.		REV.		MODEL	
MAX SURFACE ROUGHNESS		125		INCHES		D		78-5100-2675-6		B		SHT 1 OF 2	
ALL SURFACES		MARKED ONLY		ANGLES ±1°		DET		YES		NO		SHT 1 OF 2	

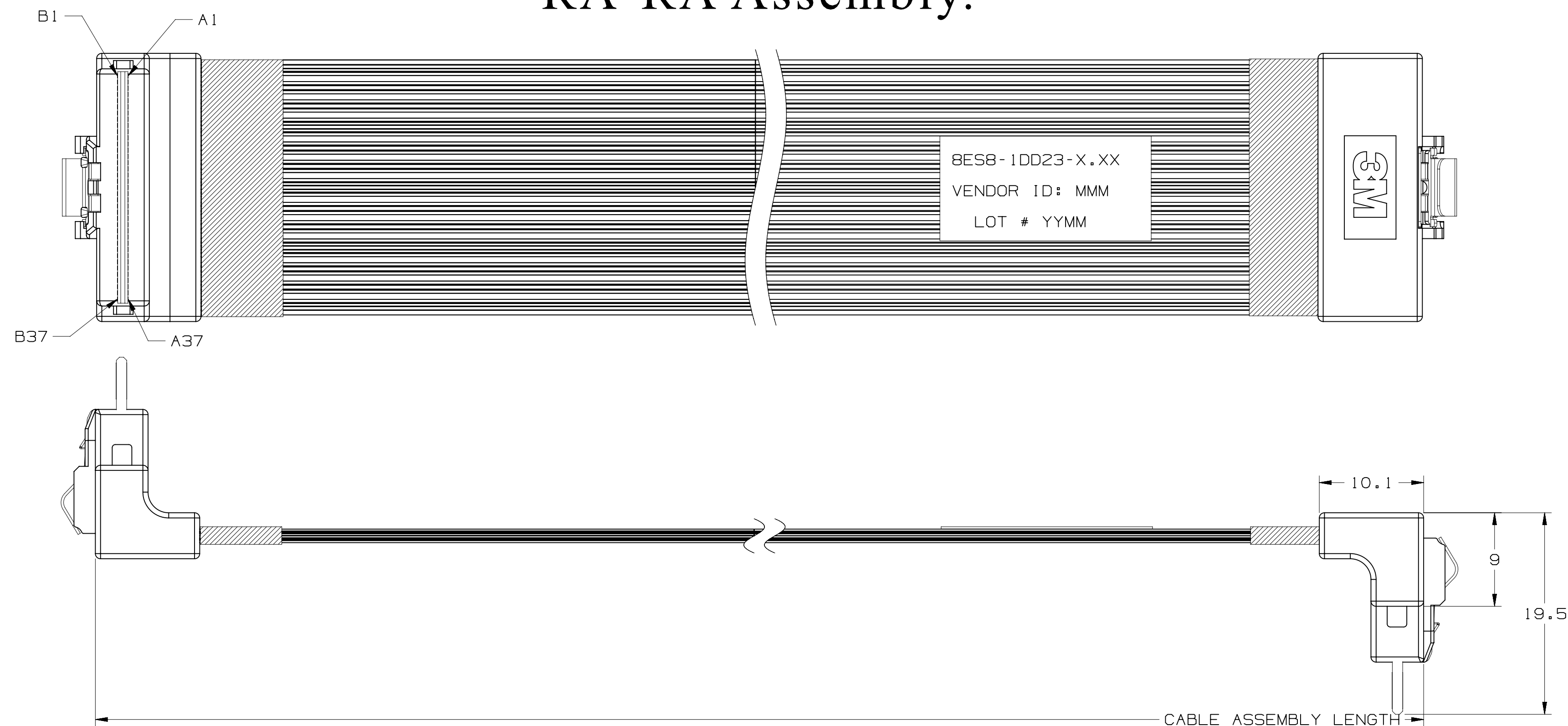
NOTE: ALL GND SIGNALS ARE TIED TOGETHER IN THE PADDCARDS AT EACH END OF ASSEMBLY (A1, A4, A7, A13, A16, A19, A22, A25, A31, A334, A37, B1, B4, B7, B10, B13, B16, B19, B22, B25, B28, B31, B34, B37)

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

RA-ST Assembly.



RA-RA Assembly.

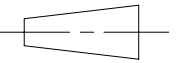


Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer: Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES U5562 S0630a				REV Rao Vittapalli	ECO	DATE MAR 27, 2017		DRFT Rao	CHKD Rao
DIVISION		DVT/HAZ CODE		DRD Rao Vittapalli	DATE MAR 27, 2017	APPR Sujit Bandhu		DATE MAR 27, 2017	
DO NOT SCALE DRAWING		SCALE TOLERANCES EXCEPT AS NOTED		 3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2019 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.			
THIRD ANGLE PROJECTION				TITLE		CUSTOMER DRAWING SLIMLINE 85 OHM X8 31AWG CABLE ASSY			
INTERPRET PER ASME Y14.5 2009		MILLIMETERS 0 .1 .0 .+5 .00 .+.05 .000 .+.005		CASE NUMBER		SIZE D		DRAWING NO. 78-5100-2675-6	
MAX SURFACE ROUGHNESS 125 ☐ ALL SURFACES ☒ MARKED ONLY		ANGLES ±1°		MODEL		DET. 1/15		YES ☐ NO ☒ SHT 2 OF 2	