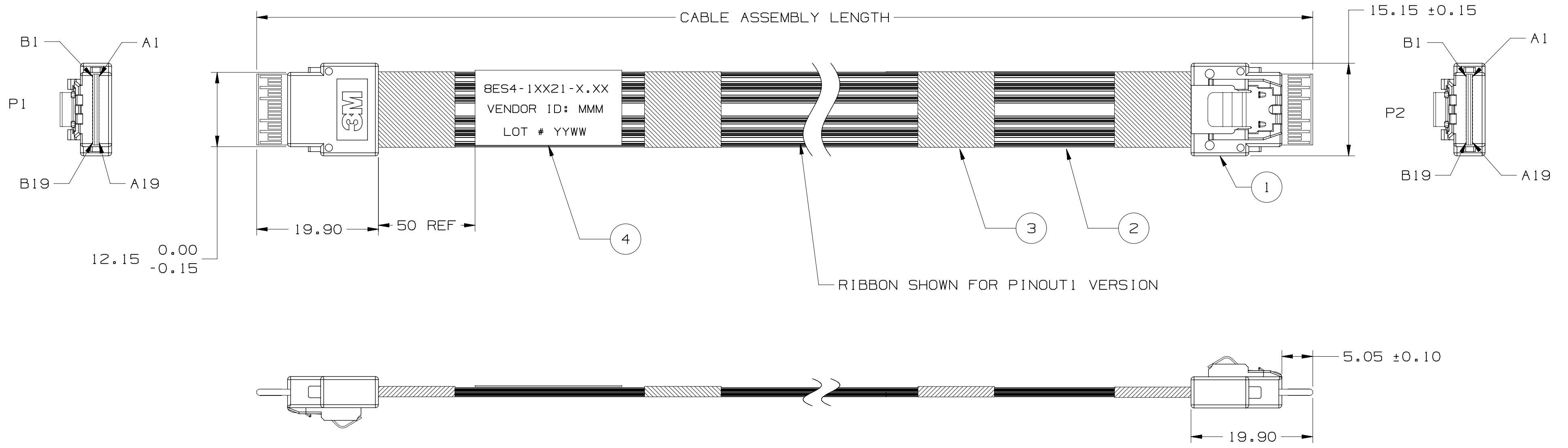


3M™ SlimLine Twin Axial Cable Assembly (SFF-8654) for SAS and PCIe applications



8ES4-1XX2X-X.XX
 VENDOR : MMM
 LOT #WWYY

LABEL INFORMATION

PART NUMBER: 8ES4-1XX2X-X.XX

AA- PINOUT 1
 DF- PINOUT 2

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

LENGTH IN METERS
 0.125m TO 1.0 m MAX.

4	LABEL, PART NUMBER	1X
3	ACETATE TAPE	AS REQUIRED
2	TWIN AX CABLE, REFER TO NOTES	AS PER LENGTH
1	SLIMSAS 4X PLUG STRAIGHT	2X
ITEM	SPECIFICATION	QUANTITY

PINOUT 1

PINOUT 2

P1		P2		P1		P2	
A1	GND	GND	B1	B1	GND	GND	A1
A2	RX0+	TX0+	B2	B2	RX0+	TX0+	A2
A3	RX0-	TX1-	B3	B3	RX0-	TX1-	A3
A4	GND	GND	B4	B4	GND	GND	A4
A5	RX1+	TX1+	B5	B5	RX1+	TX1+	A5
A6	RX1-	TX1-	B6	B6	RX1-	TX1-	A6
A7	GND	GND	B7	B7	GND	GND	A7
A8	SB	SB	B8	B8	SB	SB	A8
A9	SB	SB	B9	B9	SB	SB	A9
A10	SB	SB	B10	B10	SB	SB	A10
A11	SB	SB	B11	B11	SB	SB	A11
A12	SB	SB	B12	B12	SB	SB	A12
A13	GND	GND	B13	B13	GND	GND	A13
A14	RX2+	TX2+	B14	B14	RX2+	TX2+	A14
A15	RX2-	TX2-	B15	B15	RX2-	TX2-	A15
A16	GND	GND	B16	B16	GND	GND	A16
A17	RX3+	TX3+	B17	B17	RX3+	TX3+	A17
A18	RX3-	TX3-	B18	B18	RX3-	TX3-	A18
A19	GND	GND	B19	B19	GND	GND	A19

P1		P2		P1		P2	
A1	GND	GND	B1	B1	GND	GND	A1
A2	RX0+	TX0+	B2	B2	RX0+	TX0+	A2
A3	RX0-	TX1-	B3	B3	RX0-	TX1-	A3
A4	GND	GND	B4	B4	GND	GND	A4
A5	RX1+	TX1+	B5	B5	RX1+	TX1+	A5
A6	RX1-	TX1-	B6	B6	RX1-	TX1-	A6
A7	GND	GND	B7	B7	GND	GND	A7
A8	SB+	SB+	B8	B8	SB+	SB+	A8
A9	SB-	SB-	B9	B9	SB-	SB-	A9
A10	GND	GND	B10	B10	GND	GND	A10
A11	SB+	SB+	B11	B11	SB+	SB+	A11
A12	SB-	SB-	B12	B12	SB-	SB-	A12
A13	GND	GND	B13	B13	GND	GND	A13
A14	RX2+	TX2+	B14	B14	RX2+	TX2+	A14
A15	RX2-	TX2-	B15	B15	RX2-	TX2-	A15
A16	GND	GND	B16	B16	GND	GND	A16
A17	RX3+	TX3+	B17	B17	RX3+	TX3+	A17
A18	RX3-	TX3-	B18	B18	RX3-	TX3-	A18
A19	GND	GND	B19	B19	GND	GND	A19

P1		P2		P1		P2	
B1	GND	GND	A1	A1	GND	GND	B1
B2	RX0+	TX0+	A2	A2	RX0+	TX0+	B2
B3	RX0-	TX1-	A3	A3	RX0-	TX1-	B3
B4	GND	GND	A4	A4	GND	GND	B4
B5	RX1+	TX1+	A5	A5	RX1+	TX1+	B5
B6	RX1-	TX1-	A6	A6	RX1-	TX1-	B6
B7	GND	GND	A7	A7	GND	GND	B7
B8	SB+	SB+	A8	A8	SB+	SB+	B8
B9	SB-	SB-	A9	A9	SB-	SB-	B9
B10	GND	GND	A10	A10	GND	GND	B10
B11	SB+	SB+	A11	A11	SB+	SB+	B11
B12	SB-	SB-	A12	A12	SB-	SB-	B12
B13	GND	GND	A13	A13	GND	GND	B13
B14	RX2+	TX2+	A14	A14	RX2+	TX2+	B14
B15	RX2-	TX2-	A15	A15	RX2-	TX2-	B15
B16	GND	GND	A16	A16	GND	GND	B16
B17	RX3+	TX3+	A17	A17	RX3+	TX3+	B17
B18	RX3-	TX3-	A18	A18	RX3-	TX3-	B18
B19	GND	GND	A19	A19	GND	GND	B19

NOTE: ALL GND SIGNALS ARE TIED TOGETHER IN THE PADDLECARDS AT EACH END OF ASSEMBLY

DESIGN REFERENCE		NEXT ASSEMBLY		DRFT	DATE	MFG	DATE
ACCESS CODES	US682	S9830a		Rao Vittopalli	AUG 24, 2016	JG Liu	AUG 24, 2016
DIVISION				DIVISION CODE			
DO NOT SCALE DRAWING		SCALE 2/1		TOLERANCES EXCEPT AS NOTED			
THIRD ANGLE PROJECTION		INCHES		MILLIMETERS			
INTERPRET PER ASME Y14.5 - 2009		0 ± 1		.0 ± .5			
MAX SURFACE ROUGHNESS 125		□ ALL SURFACES		.000 ± .005			
		☒ MARKED ONLY		ANGLES ± 1°			
TITLE		CUSTOMER DRAWING SLIMLINE 85 OHM X4 30AWG CABLE ASSY					
CAGE NUMBER	SIZE	DRAWING NO.		REV.			
C	C	78-5100-2666-5		C			
MODEL		DET. LISTS		YES		NO	
				SHT 1 OF 2			

78-5100-2666-5 DRAWING NUMBER

B

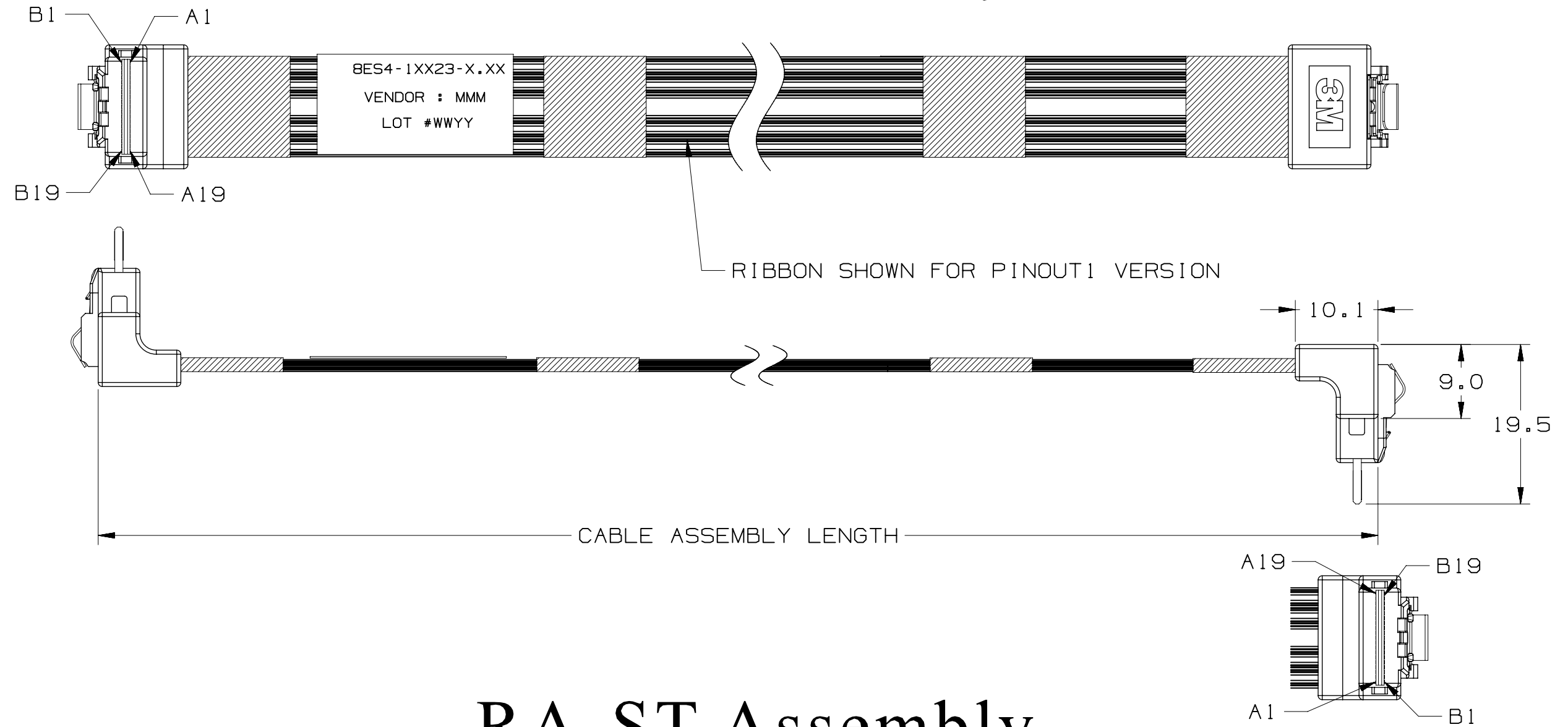
A

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

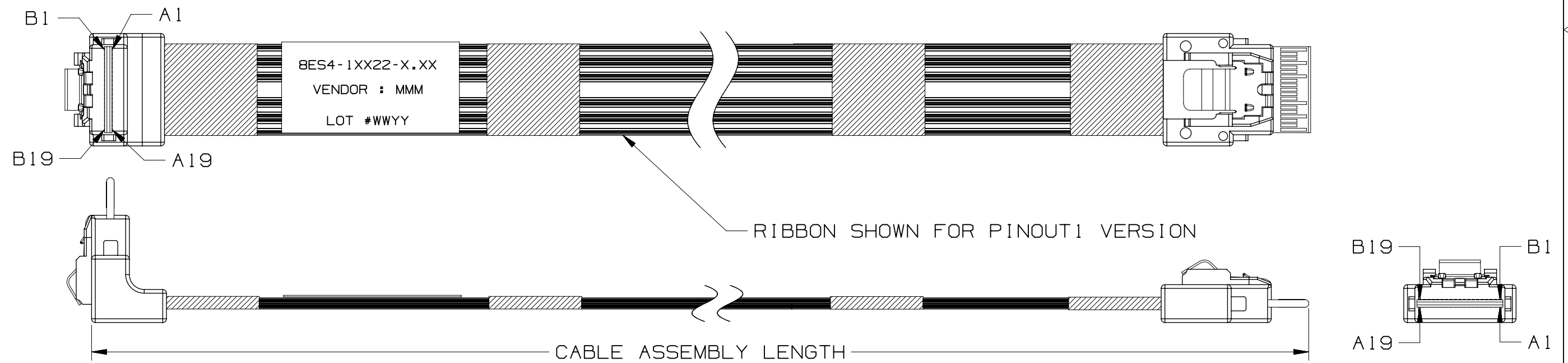
RA-RA Assembly.

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.
- PADLECARD PLATING:
30μ" MIN. GOLD PLATING
50μ" MIN. NICKEL UNDERPLATING.
P/N: 78-9102-4552-7 (4P+5SB)
P/N: 78-9102-3249-1 (6P)
- SLIMLINE CABLE PLUG DIMENSIONS ARE DESIGNED TO SFF-8654.
- PRODUCT SPECIFICATION: PS-240.
- TWO RIBBONS OF 3M™ RIBBON TWIN AXIAL CABLE.
PINOUT 1:
SL8801/13-2JBK5-00 - 4 PAIR 30AWG,5SB,VW1, GND TUCKED-IN.
PINOUT 2:
SL8802/12-2JBN5-00 - 6 PAIR 30AWG,VW1, GND TUCKED-IN.
- 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.
- UNLESS OTHERWISE NOTED, REFERENCE TO INDUSTRY SPECIFICATIONS ARE INTENDED TO INDICATE SUBSTANTIAL COMPLIANCE TO MATERIAL ELEMENTS OF THE SPECIFICATION. SUCH REFERENCES 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
- LENGTH TOLERANCE:
±6 MM FOR LENGTHS 0.125 TO 0.4 METERS,
±10 MM FOR LENGTHS 0.4 TO 1.0 METERS.



RA-ST Assembly.



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ACCESS CODES	US682	S9830a	DESIGN REFERENCE	NEXT ASSEMBLY
DO NOT SCALE DRAWING	SCALE 1/1	TOLERANCES EXCEPT AS NOTED	INCHES	MILLIMETERS
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	MAX SURFACE ROUGHNESS 125	0 ± 1 .0 ± .5 .000 ± .2 .000 ± .005	ANGLES ± 1°
	<input type="checkbox"/> ALL SURFACES	<input checked="" type="checkbox"/> MARKED ONLY		

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
C	81149	JAN 14, 2019 CHANGE MIN. LENGTH	VT	VT
B	73021	MAY 02, 2017 ADD 6 PAIR PINOUT	RAO	RAO
A	69548	AUG 24, 2016	RAO	RAO
DRFT	Rao Vittopalli	DATE AUG 24, 2016	MFG JG Liu	DATE AUG 24, 2016
CHKD	Rao Vittopalli	DATE AUG 24, 2016	APPLV Saujit Bandhu	DATE AUG 24, 2016
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<p>TITLE CUSTOMER DRAWING SLIMLINE 85 OHM X4 30AWG CABLE ASSY</p>				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
	C	78-5100-2666-5	C	
MODEL	DET. LISTS		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
SHT 2 OF 2				

78-5100-2666-5
DRAWING NUMBER
C REVISION