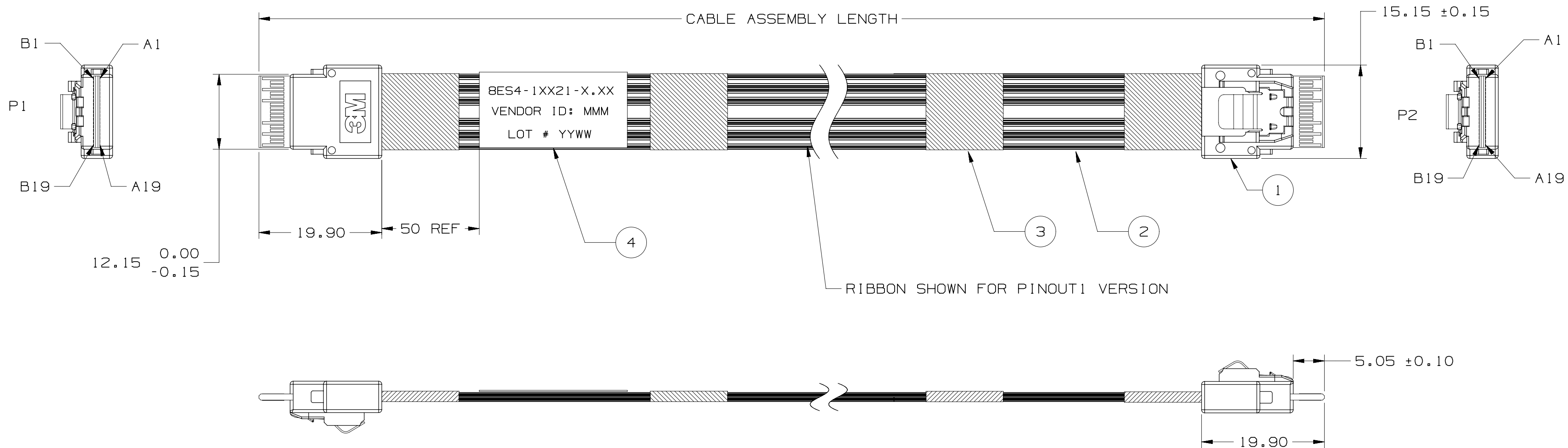


3M™ SlimLine Twin Axial Cable Assembly (SFF-8654) for SAS and PCIe applications



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

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
0.1m TO 1.0 m MAX.

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

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	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

PINOUT 1				PINOUT 2			
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

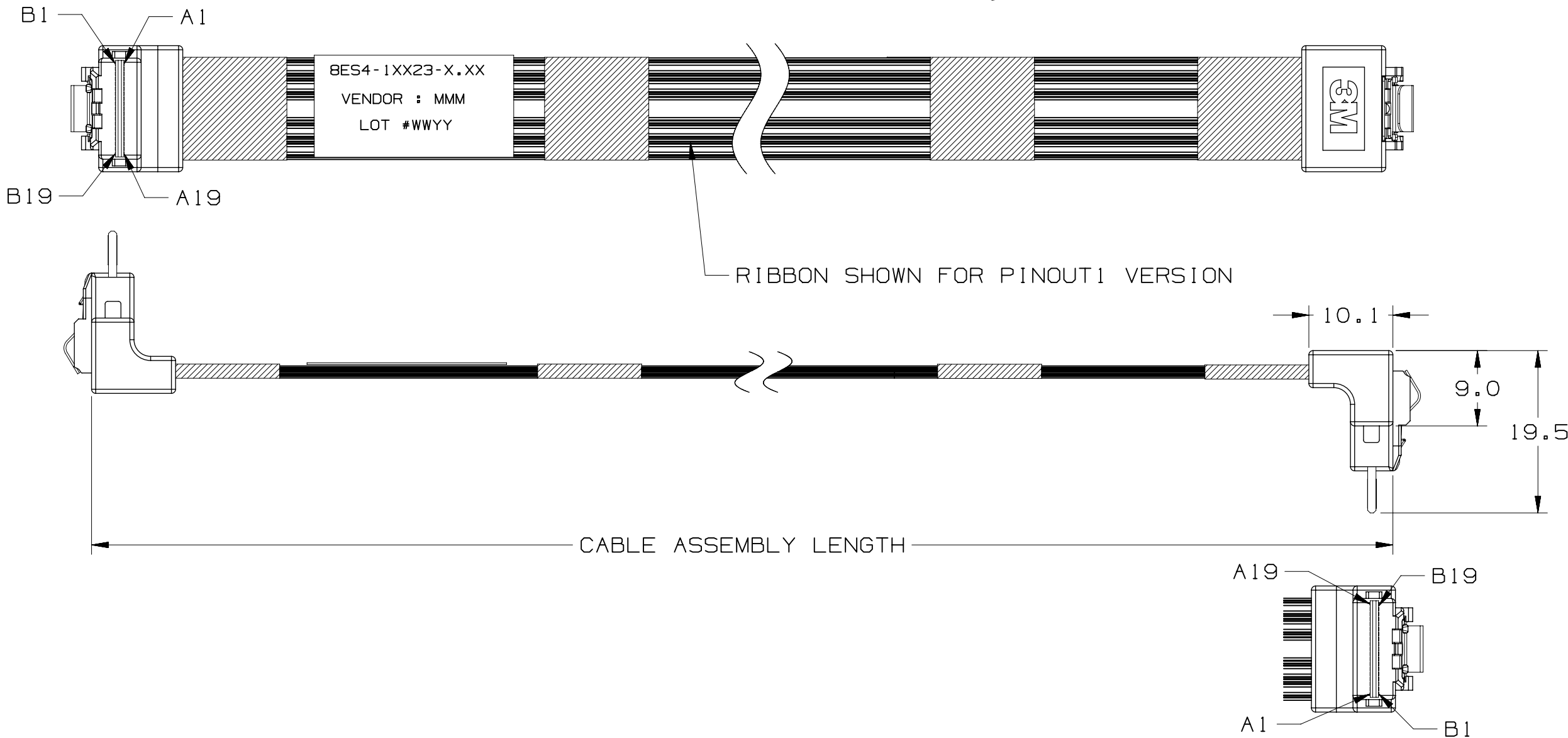
DESIGN REFERENCE		NEXT ASSEMBLY	
ACCESS CODES	U5682 S9830a		
DIVISION	DIVISION CODE		
DO NOT SCALE DRAWING	SCALE 2/1	TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION	INCHES 0 ± 1 .000 ± .0005 MILLIMETERS 0 ± 1 .000 ± .0005 ANGLES ± 1°		
INTERPRET PER ASME Y14.5 - 2009			
MAX SURFACE ROUGHNESS 125 ALL SURFACES MARKED ONLY			
B 73021		MAY 02, 2017 ADD 6 PAIR PINOUT	
A 69548		AUG 24, 2016	
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT CHKD
Rao Vittopalli		AUG 24, 2016	WFG JG Liu
DATE		AUG 24, 2016	DATE
CHD		AUG 24, 2016	DATE
Rao Vittopalli		APPRVL Saujit Bandhu	DATE
3M 3M Center St. Paul, MN 55144			
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TITLE CUSTOMER DRAWING SLIMLINE 85 OHM X4 30AWG CABLE ASSY			
CAGE NUMBER	SIZE	DRAWING NO.	REV.
78-5100-2666-5	C	78-5100-2666-5	B
MODEL		DET. LISTS	
		YES NO	
		SHT 1 OF 2	

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

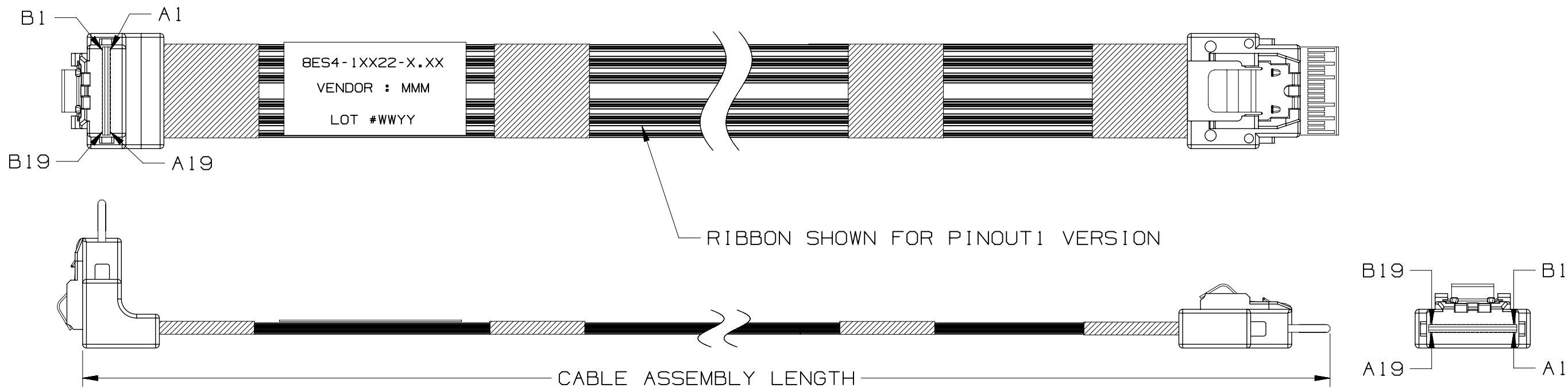
NOTES :

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.
2. PADDLECARD PLATING:
30µ" MIN. GOLD PLATING
50µ" MIN. NICKEL UNDERPLATING.
P/N: 78-9102-4552-7 (4P+5SB)
P/N: 78-9102-3249-1 (6P)
3. SLIMLINE CABLE PLUG DIMENSIONS
ARE DESIGNED TO SFF-8654.
4. PRODUCT SPECIFICATION: PS-240.
5. 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.
6. 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.
7. 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.
8. 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
9. LENGTH TOLERANCE:
±6 MM FOR LENGTHS 0.1 TO 0.4 METERS,
±10 MM FOR LENGTHS 0.4 TO 1.0 METERS.

RA-RA Assembly.



RA-ST Assembly.



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DESIGN REFERENCE NEXT ASSEMBLY

ACCESS CODES	US682	S9830a			
DIVISION					
DO NOT SCALE DRAWING	SCALE 1/1	TOLERANCES EXCEPT AS NOTED			
THIRD ANGLE PROJECTION		INCHES .0 ± .00 .000 ± .0000 ±			
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ± 1 .0 ± .5 .00 ± .2 .000 ± .005			
MAX SURFACE ROUGHNESS 125	ALL SURFACES MARKED ONLY	ANGLES ± 1°			

B	73021	MAY 02,2017	RAO	RAO
A	69548	AUG 24,2016	RAO	RAO
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	Rao Vittopalli	DATE AUG 24,2016	WFG	JG Liu
CHKD	Rao Vittopalli	DATE AUG 24,2016	APPLV	Saujit Bandhu
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CUSTOMER DRAWING SLIMLINE 85 OHM X4 30AWG CABLE ASSY				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
C	78-5100-2666-5	B		
MODEL	DET. LISTS	YES	NO	SHT 2 OF 2

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Global Electronic Components Distributor

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