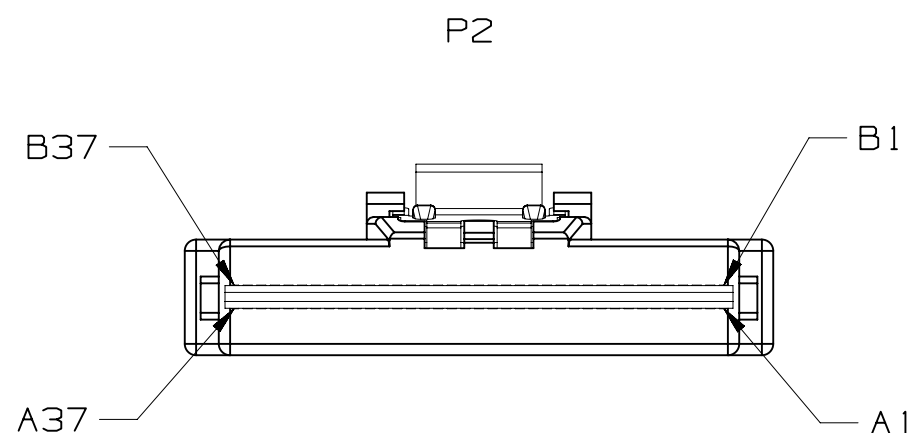
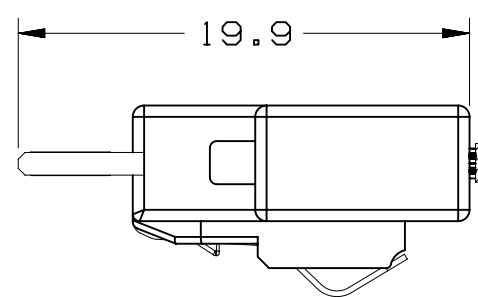
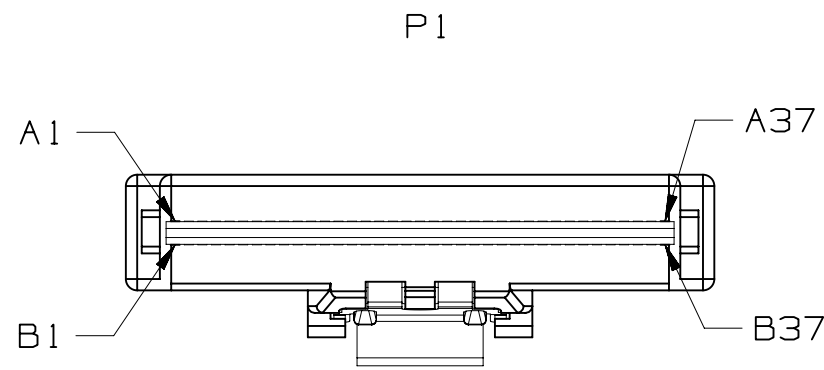
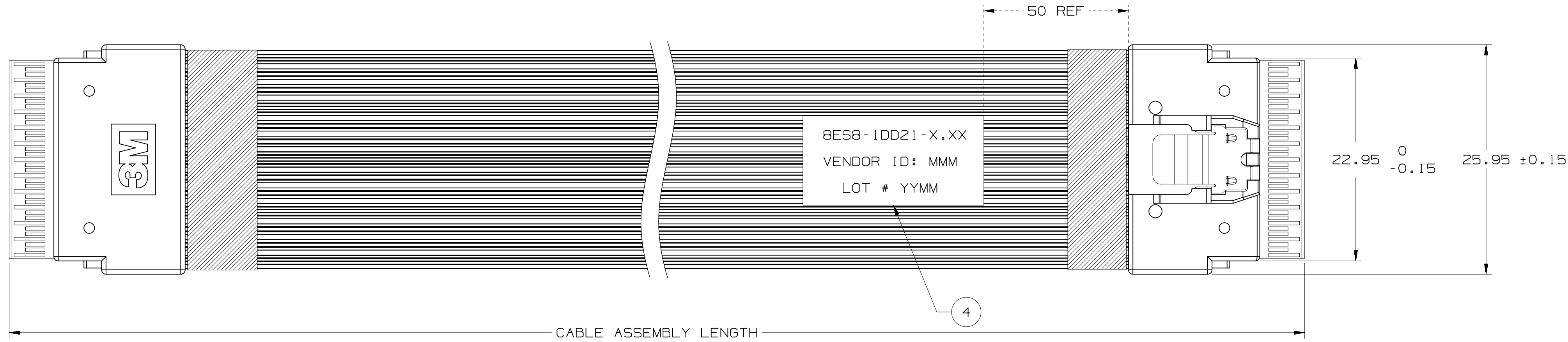


3M™ SlimLine Twin Axial Cable Assembly (SFF-8654) for SAS and PCIe applications



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.
- PADDELCARD 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.

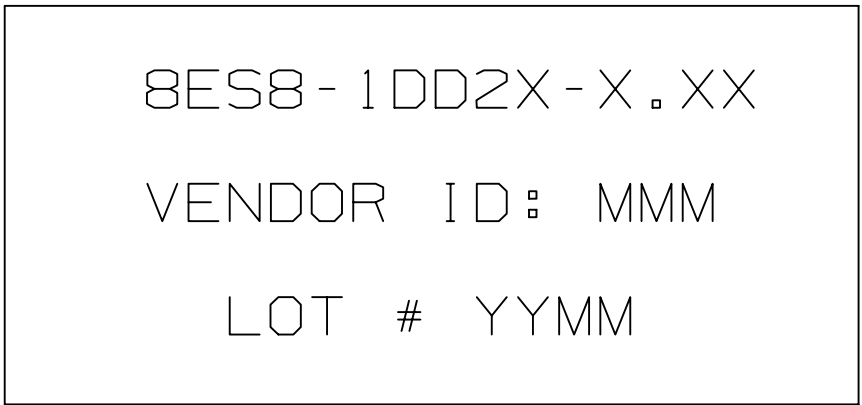
3M PART NUMBER : 8ES8-1DD2X-X.XX

- 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 |



LABEL INFORMATION

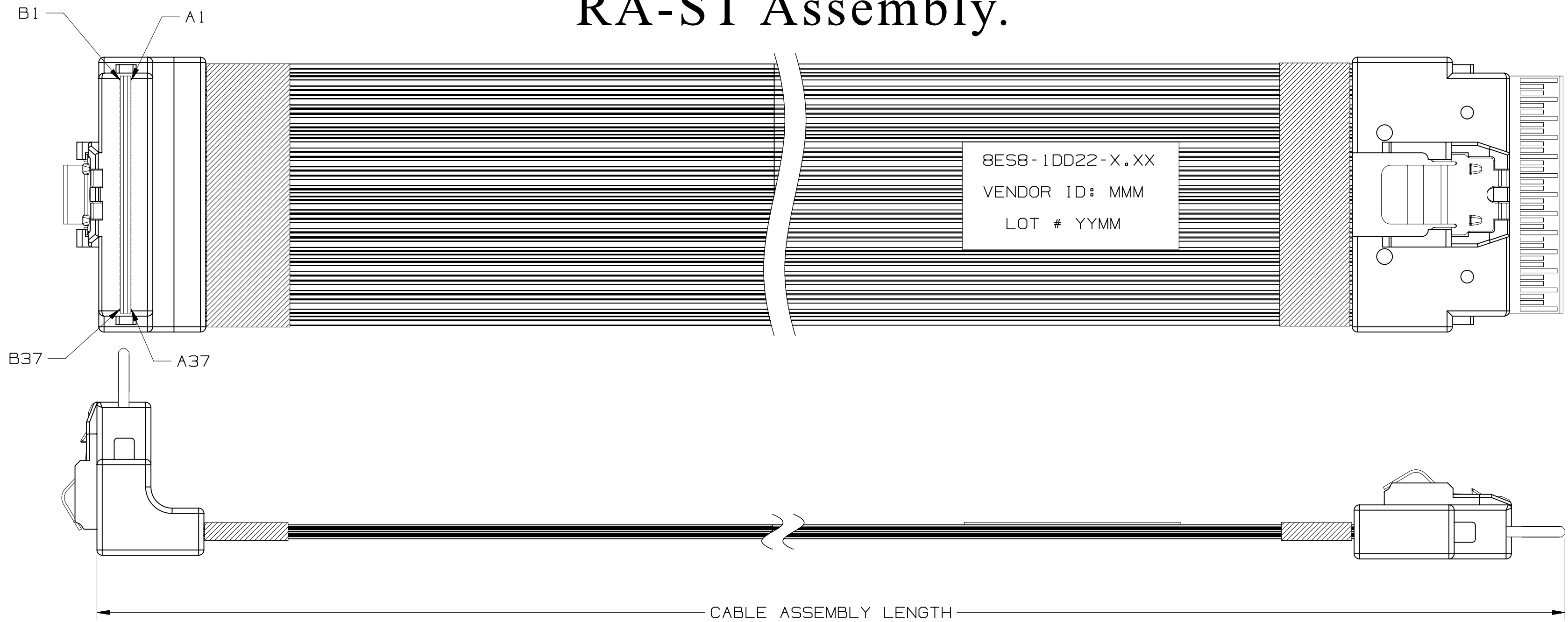
|      |                                       |               |
|------|---------------------------------------|---------------|
| 4    | LABEL , 40X30MM                       | 1X            |
| 3    | ACETATE TAPE                          | AS REQUIRED   |
| 2    | TWIN AX CABLE , REFER TO NOTES        | 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 |
|                        |     |               |                      |                                 |      |             |     |                            |                      |      |      |
| DIVISION               |     |               |                      | DIVISION CODE                   |      |             |     | 3M Center                  |                      |      |      |
| DO NOT SCALE DRAWING   |     |               |                      | SCALE                           |      |             |     | TOLERANCES EXCEPT AS NOTED |                      |      |      |
| THIRD ANGLE PROJECTION |     |               |                      | INTERPRET PER ASME Y14.5 - 2009 |      |             |     | MAX SURFACE ROUGHNESS      |                      |      |      |
| 125                    |     |               |                      | ALL SURFACES                    |      |             |     | ANGLES ±1°                 |                      |      |      |
| CAGE NUMBER            |     |               |                      | SIZE                            |      |             |     | DRAWING NO.                |                      |      |      |
| D                      |     |               |                      | 78-5100-2675-6                  |      |             |     | REV. A                     |                      |      |      |
| MODEL                  |     |               |                      | DET                             |      |             |     | SHT 1 OF 2                 |                      |      |      |

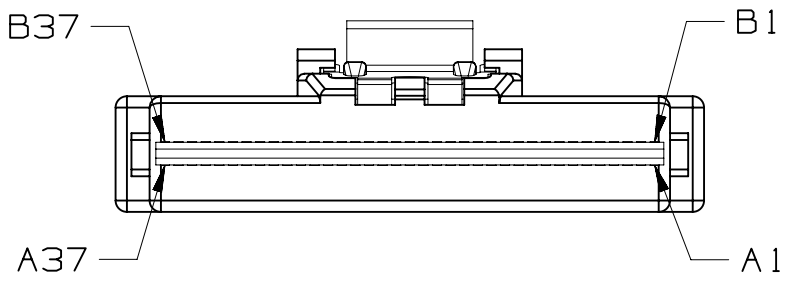
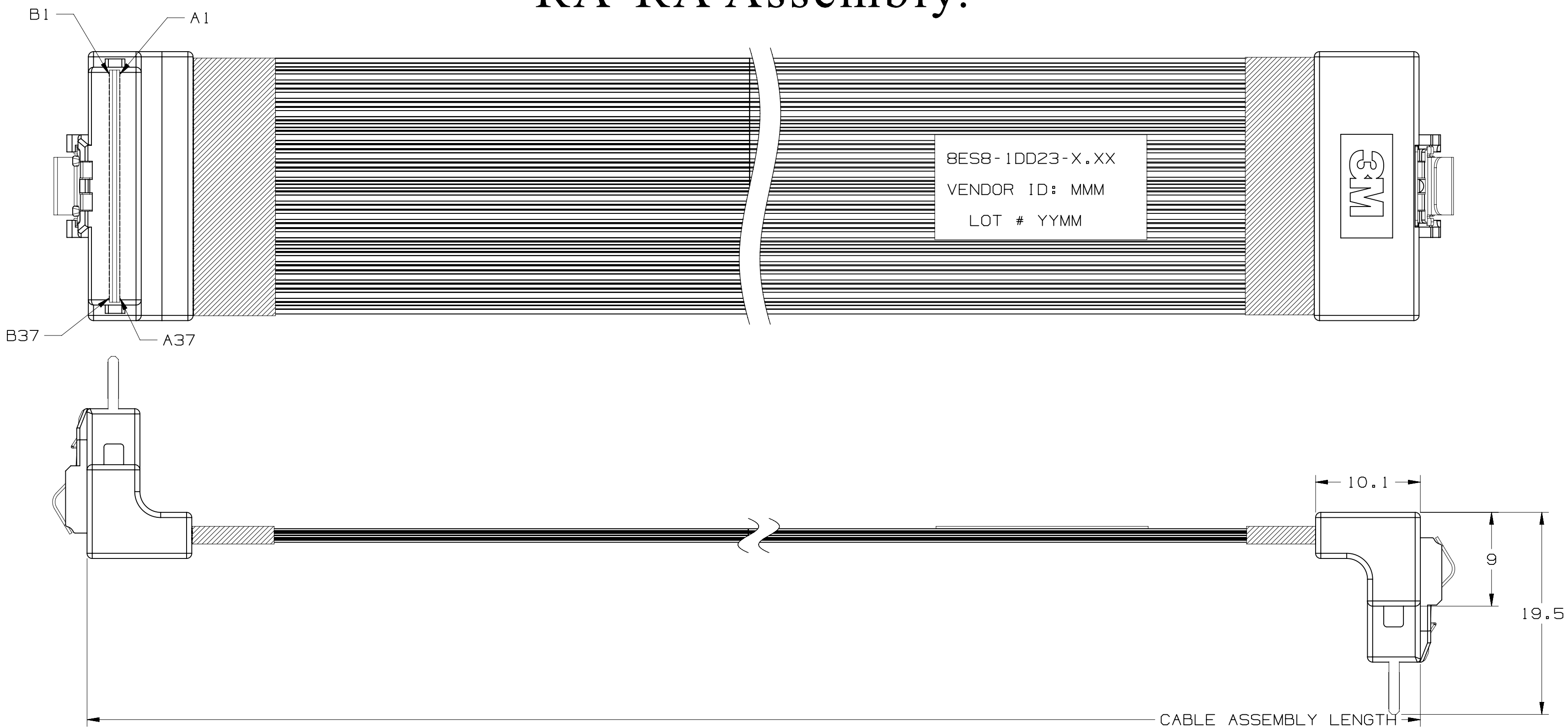
NOTE: ALL GND SIGNALS ARE TIED TOGETHER IN THE PADDELCARDS AT EACH END OF ASSEMBLY (A1, A4, A7, A13, A16, A19, A22, A25, A31, A334, A37, B1, B4, B7, B10, B13, B16, B19, B22, B25, B28, B31, B34, B37)

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

RA-ST Assembly.



RA-RA Assembly.



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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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| THIRD ANGLE PROJECTION          |     | INCHES                     |              | MILLIMETERS                |              | CUSTOMER DRAWING                                                                                                                                                                                                                            |      |             |      |
| INTERPRET PER ASME Y14.5 - 2009 |     | .00 ± .000                 |              | 0 ± .1                     |              | SLIMLINE 85 OHM X8                                                                                                                                                                                                                          |      |             |      |
| MAX SURFACE ROUGHNESS           |     | .00 ± .005                 |              | .000 ± .005                |              | 31AWG CABLE ASSY                                                                                                                                                                                                                            |      |             |      |
| 125 /                           |     | ALL SURFACES               |              | ANGLES ± 1°                |              | CAGE NUMBER                                                                                                                                                                                                                                 |      | DRAWING NO. |      |
| 125 /                           |     | MARKED ONLY                |              |                            |              | D 78-5100-2675-6                                                                                                                                                                                                                            |      | REV.        |      |
|                                 |     |                            |              |                            |              | MODEL                                                                                                                                                                                                                                       |      | DET         |      |
|                                 |     |                            |              |                            |              |                                                                                                                                                                                                                                             |      | LISTS       |      |
|                                 |     |                            |              |                            |              |                                                                                                                                                                                                                                             |      | YES         |      |
|                                 |     |                            |              |                            |              |                                                                                                                                                                                                                                             |      | NO          |      |
|                                 |     |                            |              |                            |              |                                                                                                                                                                                                                                             |      | SHT 2 OF 2  |      |

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