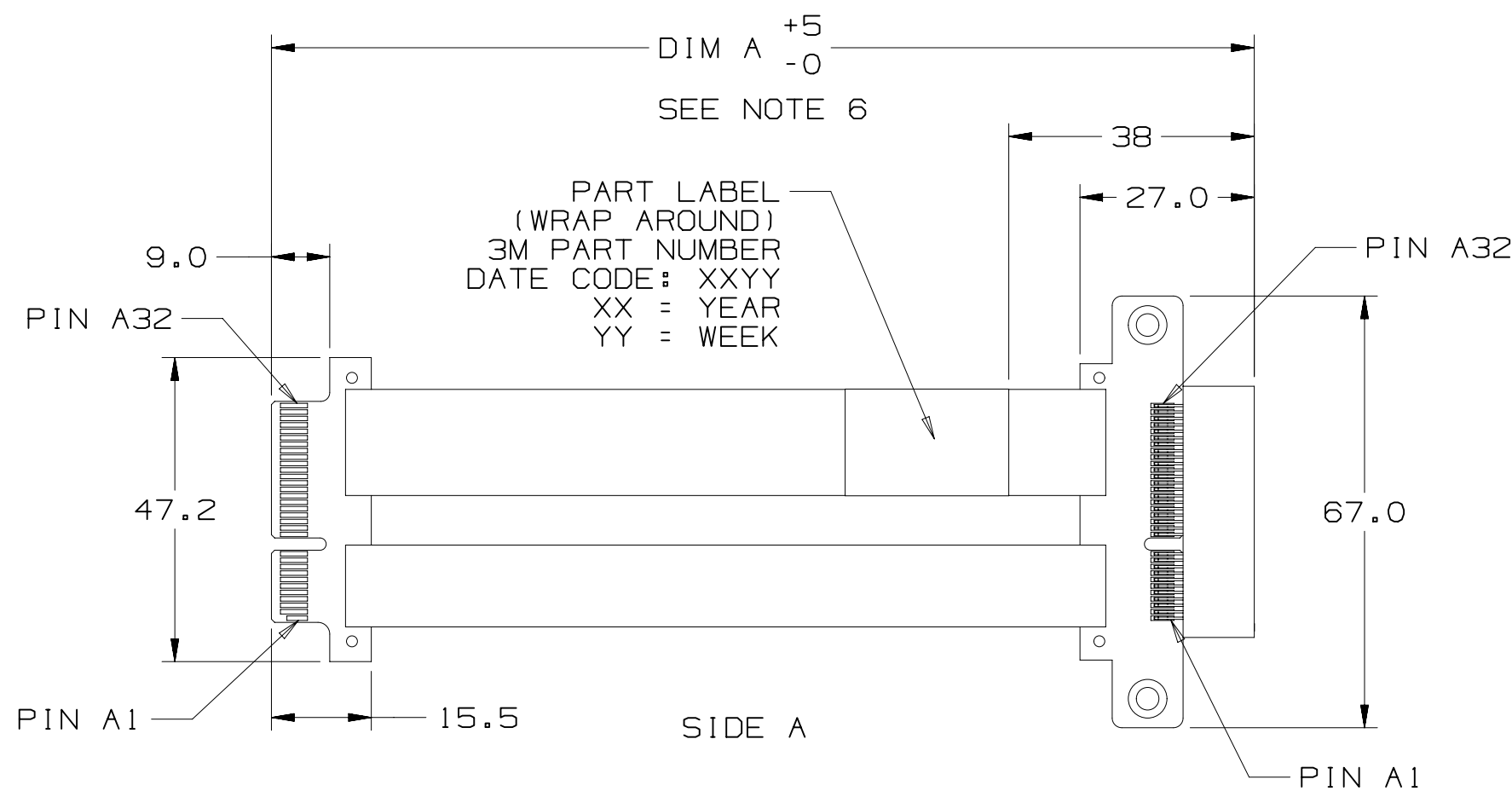
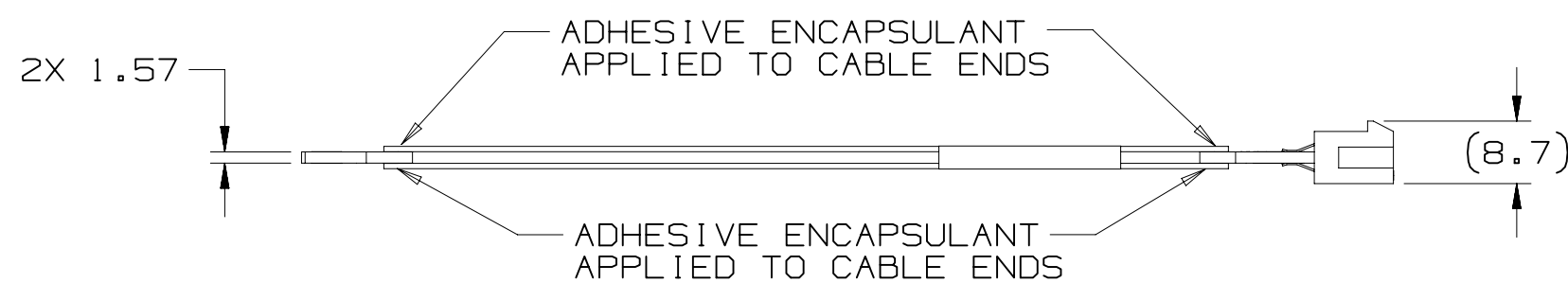
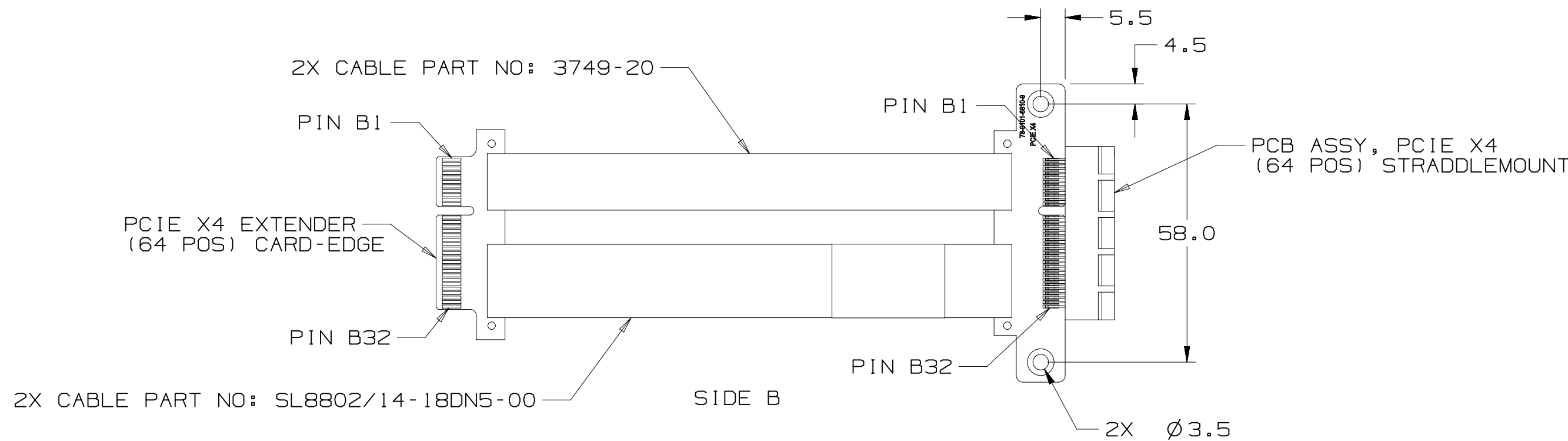
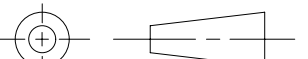


3M™ TWIN AXIAL CABLE ASSEMBLY  
FOR PCIe X4 EXTENDER CARD APPLICATIONS



| BILL OF MATERIALS |                  |                                                               |                |
|-------------------|------------------|---------------------------------------------------------------|----------------|
|                   | ITEM             | DESCRIPTION                                                   | QTY            |
| 1.0               | PBA              | PCB ASSY, PADDLECARD, PCIe X4                                 | 1              |
| 1.1               | PCB              | PCIE X4 (64 POS) STRADDLEMOUNT<br>3M P/N: 78-9101-6810-9      | 1              |
| 1.2               | CONN             | CONNECTOR, PCIE 64 POSITION, FEMALE<br>SOCKET                 | 1              |
| 2.0               | PCB              | PCIE X4 EXTENDER (64 POS) CARD-EDGE<br>3M P/N: 78-9101-6809-1 | 1              |
| 3.0               | CABLE            | RIBBON TWIN AX CABLE<br>3M P/N: SL8802/14-18DN5-00            | 2              |
| 4.0               | CABLE            | RIBBON CABLE, 20 POSITION<br>3M P/N: 3749-20                  | 2              |
| 5.0               | STRAIN<br>RELIEF | ADHESIVE                                                      | AS<br>REQUIRED |

| DESIGN REFERENCE                                                                      |  |  |  | NEXT ASSEMBLY                                    |  |  |  | REV                                                            |  |  |  | ECO                                                                                                                                                                                                                                           |  |  |  | ISSUE DATE AND DESCRIPTION |  |             |  | DRFT       |  | CHKD       |  |
|---------------------------------------------------------------------------------------|--|--|--|--------------------------------------------------|--|--|--|----------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------|--|-------------|--|------------|--|------------|--|
| DISTRIBUTION CODES                                                                    |  |  |  |                                                  |  |  |  | DRFT<br>L SCHMIDT                                              |  |  |  | DATE<br>APR 09, 2012                                                                                                                                                                                                                          |  |  |  | MFG                        |  |             |  | DATE       |  |            |  |
|                                                                                       |  |  |  |                                                  |  |  |  |                                                                |  |  |  |                                                                                                                                                                                                                                               |  |  |  |                            |  |             |  |            |  |            |  |
|                                                                                       |  |  |  |                                                  |  |  |  | CHKD                                                           |  |  |  | DATE                                                                                                                                                                                                                                          |  |  |  | APPVL                      |  |             |  | DATE       |  |            |  |
| DIVISION                                                                              |  |  |  | DIVISION CODE                                    |  |  |  | <div>3M</div> <div>3M Center<br/>St. Paul,<br/>MN 55144</div>  |  |  |  | © 3M COPYRIGHT 2012<br>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. |  |  |  |                            |  |             |  |            |  |            |  |
|                                                                                       |  |  |  |                                                  |  |  |  |                                                                |  |  |  |                                                                                                                                                                                                                                               |  |  |  |                            |  |             |  |            |  |            |  |
| DO NOT SCALE DRAWING                                                                  |  |  |  | SCALE<br>1<br>1                                  |  |  |  | TOLERANCES EXCEPT AS NOTED                                     |  |  |  |                                                                                                                                                                                                                                               |  |  |  |                            |  |             |  |            |  |            |  |
|  |  |  |  | INCHES<br>0.0 ±<br>0.00 ±<br>0.000 ±<br>0.0000 ± |  |  |  | MILLIMETERS<br>0 ± 1<br>0.0 ± .5<br>0.00 ± .05<br>0.000 ± .005 |  |  |  | TITLE<br>8KJ1-0727-XXXX, CABLE ASSY, PCIE X4 BY PCIE X4 EXTENDER                                                                                                                                                                              |  |  |  |                            |  |             |  |            |  |            |  |
|                                                                                       |  |  |  |                                                  |  |  |  |                                                                |  |  |  |                                                                                                                                                                                                                                               |  |  |  |                            |  |             |  |            |  |            |  |
| THIRD ANGLE PROJECTION                                                                |  |  |  |                                                  |  |  |  |                                                                |  |  |  | CAGE NUMBER                                                                                                                                                                                                                                   |  |  |  | SIZE                       |  | DRAWING NO. |  |            |  | REV.       |  |
| INTERPRET PER ASME Y14.5 - 1994                                                       |  |  |  |                                                  |  |  |  |                                                                |  |  |  | C                                                                                                                                                                                                                                             |  |  |  | 78-5100-2521-2             |  |             |  | B          |  |            |  |
| MAX SURFACE ROUGHNESS<br>125<br>✓                                                     |  |  |  | □ ALL SURFACES<br>☒ MARKED ONLY                  |  |  |  | ANGLES ± 1 °                                                   |  |  |  | MODEL                                                                                                                                                                                                                                         |  |  |  | DET. LISTS                 |  |             |  | □ YES ☒ NO |  | SHT 1 OF 2 |  |

NOTES

- DIMENSIONS ARE IN MILLIMETERS.
- 3M™ RIBBON TWINAX DESCRIPTION:  
30 AWG, SILVER PLATED SIGNAL WIRE  
IMPEDANCE: 85 ±5 OHM  
OVERALL RIBBON WIDTH: 24.90 MM  
OVERALL RIBBON THICKNESS: 0.75 MM
- ROHS COMPLIANT. SEE REGULATORY  
INFORMATION APPENDIX IN "ROHS  
COMPLIANCE" SECTION AT  
WWW.3MCONNECTORS.COM  
(E1 & C1 APPLY)
- THIS CABLE CONSTRUCTION  
HAS A THIN ALUMINUM INNER LAYER  
EXPOSED AT EACH EDGE. USERS  
SHOULD ASSESS WHETHER THE EXPOSED  
EDGE PRESENTS A SHORTING RISK IN  
THEIR SPECIFIC APPLICATION.  
INSULATING TAPE MAY BE APPLIED  
AT THE CABLE ASSEMBLY LEVEL, AS  
NEEDED, TO COVER THE EXPOSED  
EDGE IN RISK AREAS.
- APPLICABLE SPECIFICATIONS:  
PRODUCT SPECIFICATION NUMBER:
- ORDER BY APPLICABLE 3M PART NUMBER:  
8KJ1-0727-XXXX  
  
XXXX = DIM 'A' IN MILLIMETERS  
(1000 = 1 METER)  
  
STANDARD LENGTH (DIM 'A')  
8KJ1-0727-0250 (250 MM)  
8KJ1-0727-0500 (500 MM)  
  
NON-STANDARD LENGTHS AVAILABLE  
UPON SPECIAL REQUEST. MAY REQUIRE  
HIGHER MOQS AND LONGER LEAD TIMES.  
150 MM MINIMUM LENGTH.
- FLAMMABILITY RATING:  
TWIN AX CABLE: UL94 HB  
PCBS: UL94V-0  
ADHESIVE STRAIN RELIEF: UL94 HB,  
(TBV)
- PADDLECARD FINGER GOLD THICKNESS:  
0.76 µm [30 µ"] MIN ELECTROLYTIC  
HARD GOLD OVER 1.27 µm [50 µ"]  
MIN ELECTROLYTIC NICKEL.

