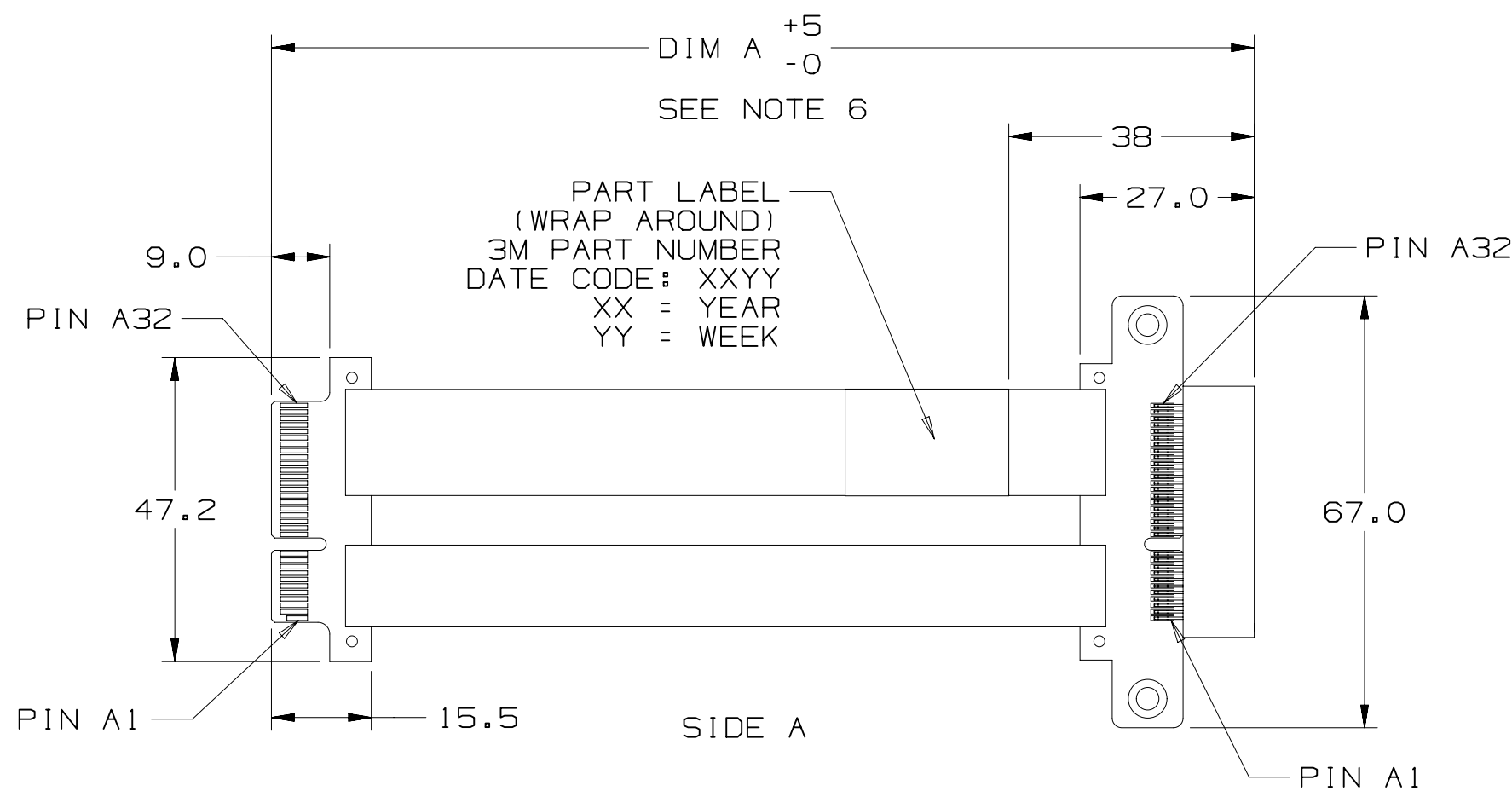
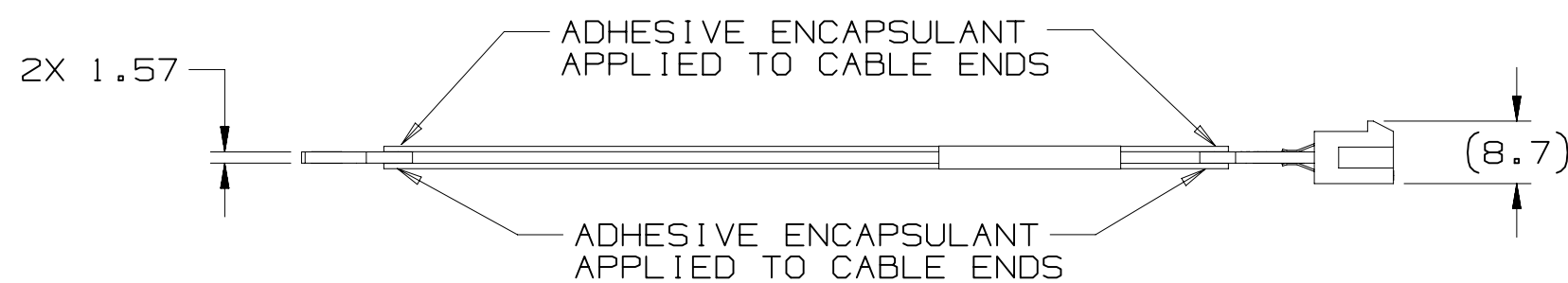
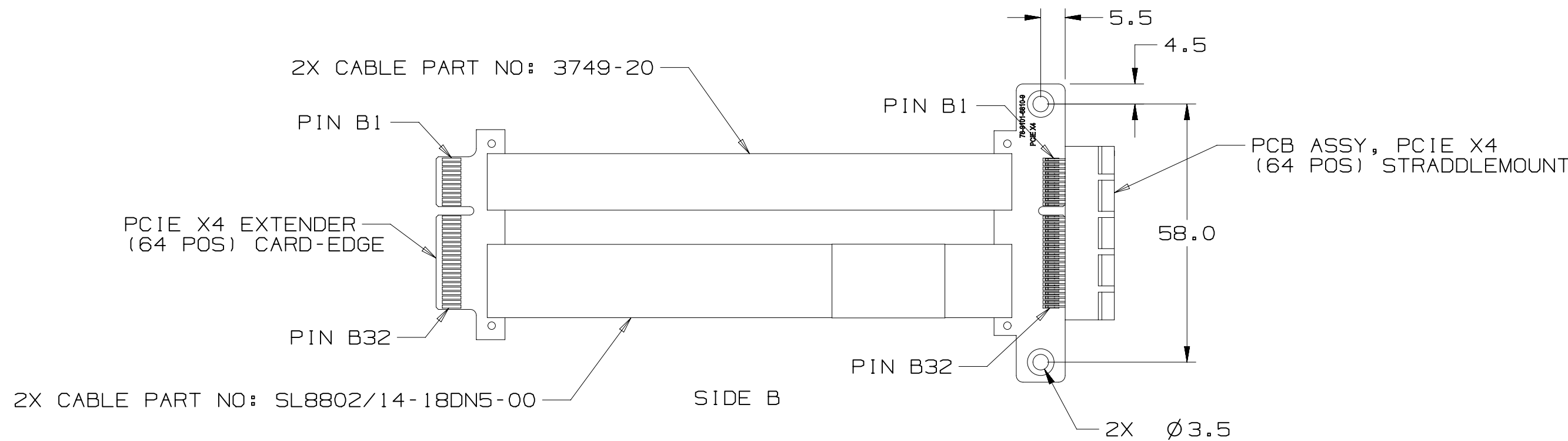


3M™ TWIN AXIAL CABLE ASSEMBLY
FOR PCIe X4 EXTENDER CARD APPLICATIONS



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

DESIGN REFERENCE				NEXT ASSEMBLY				REV				ECO				ISSUE DATE AND DESCRIPTION				DRFT		CHKD					
DISTRIBUTION CODES								DRFT L SCHMIDT				DATE APR 09, 2012				MFG				DATE							
DIVISION				DIVISION CODE				CHKD				DATE				APPVL				DATE							
DO NOT SCALE DRAWING				SCALE 1 / 1				TOLERANCES EXCEPT AS NOTED				INCHES .0 ± .00 ± .000 ± .0000 ±				MILLIMETERS .0 ± .1 ± .5 ± .05 ± .000 ± .005 ±				ANGLES ±1 °							
THIRD ANGLE PROJECTION				INTERPRET PER ASME Y14.5 - 1994				MAX SURFACE ROUGHNESS 125 ☐ ALL SURFACES ☒ MARKED ONLY				CAGE NUMBER C				SIZE 78-5100-2521-2				DRAWING NO.				REV. B			
TITLE 8KJ1-0727-XXXX, CABLE ASSY, PCIE X4 BY PCIE X4 EXTENDER				3M Center St. Paul, MN 55144				© 3M COPYRIGHT 2012 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.				MODEL				DET. LISTS ☐ YES ☒ NO				SHT 1 OF 2							

NOTES

- 1 DIMENSIONS ARE IN MILLIMETERS.
- 2 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
- 3 ROHS COMPLIANT. SEE REGULATORY
INFORMATION APPENDIX IN "ROHS
COMPLIANCE" SECTION AT
WWW.3MCONNECTORS.COM
(E1 & C1 APPLY)
- 4 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.
- 5 APPLICABLE SPECIFICATIONS:
PRODUCT SPECIFICATION NUMBER:
- 6 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.
- 7 FLAMMABILITY RATING:
TWIN AX CABLE: UL94 HB
PCBS: UL94V-0
ADHESIVE STRAIN RELIEF: UL94 HB,
(TBV)
- 8 PADDLECARD FINGER GOLD THICKNESS:
0.76 µm [30 µ"] MIN ELECTROLYTIC
HARD GOLD OVER 1.27 µm [50 µ"]
MIN ELECTROLYTIC NICKEL.

78-5100-2521-2
DRAWING NUMBER

B

A

