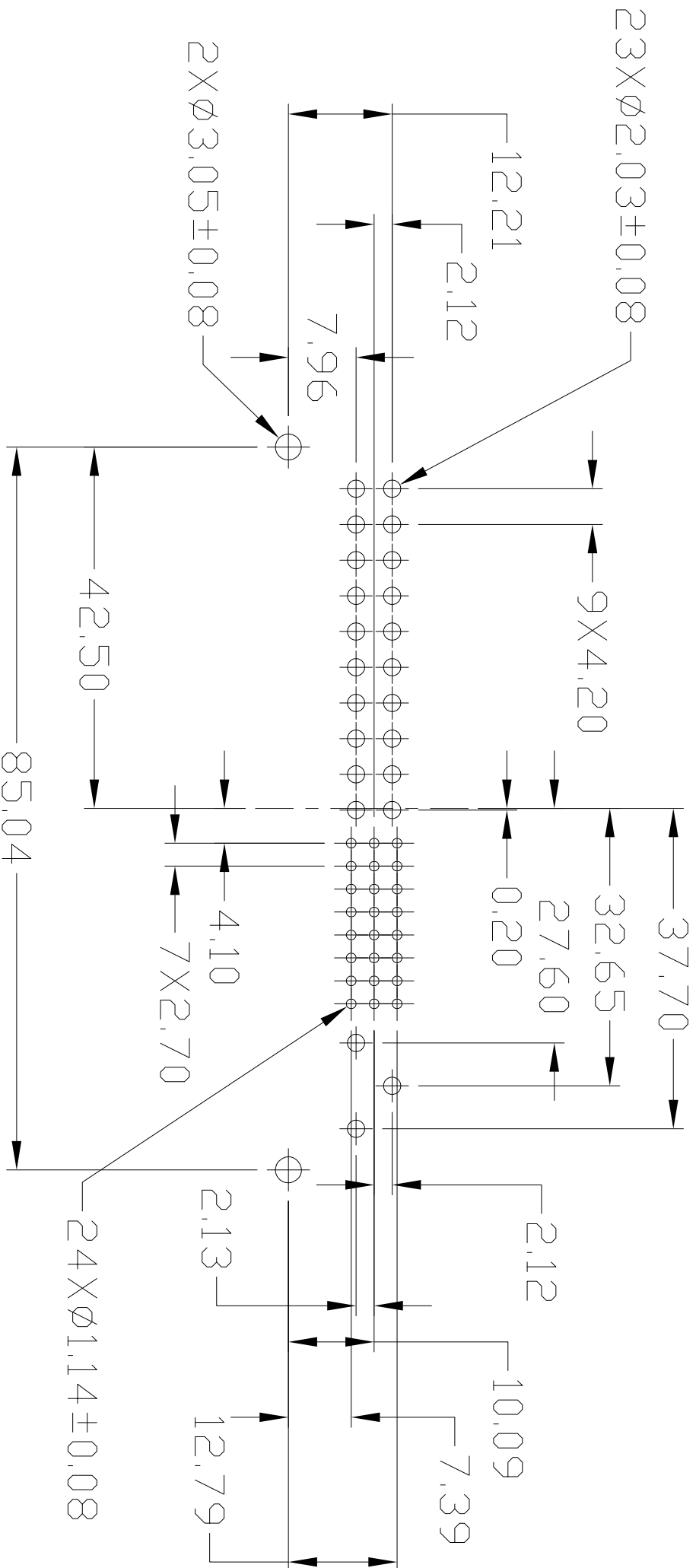
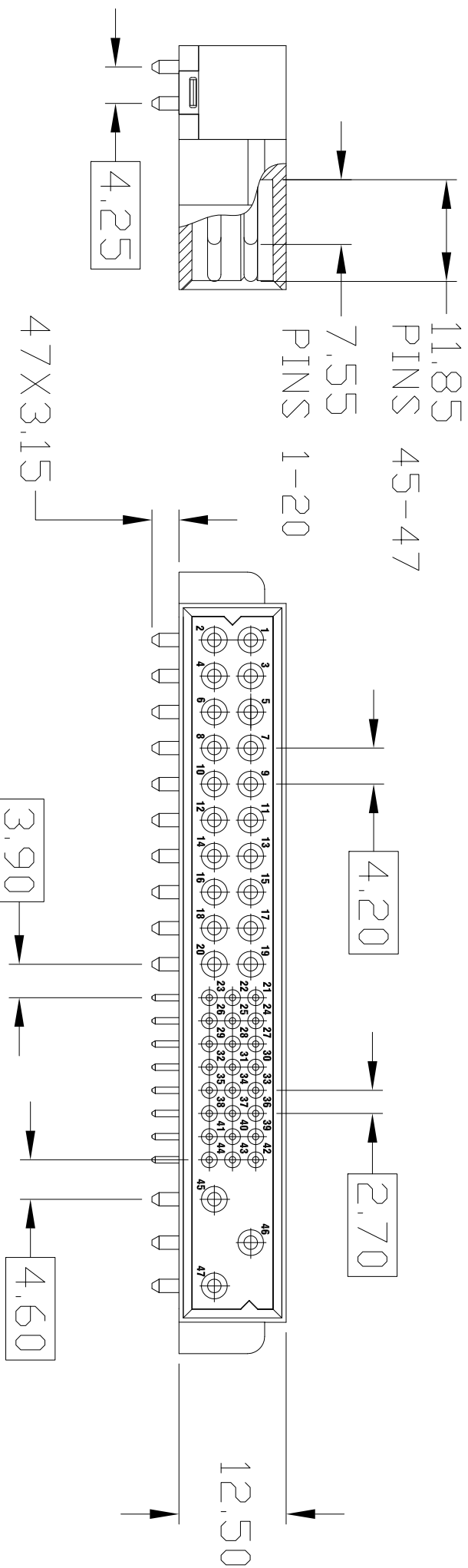
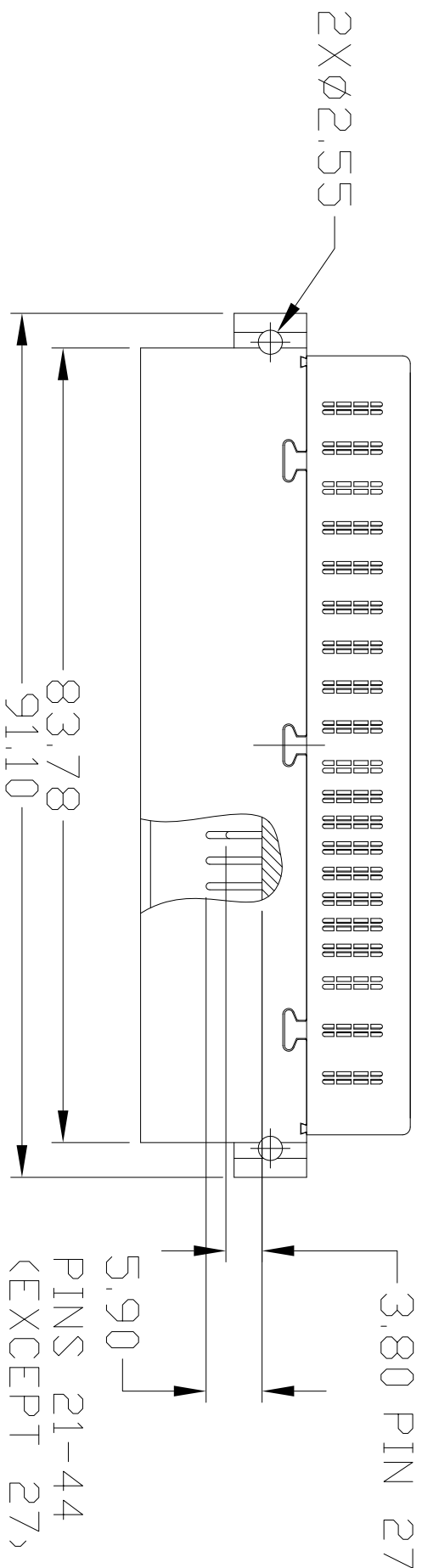


3M™ POWER RIGHT ANGLE MALE CONNECTOR
FOR CPCI APPLICATIONS, 47 POSITION



RECOMMENDED PC BOARD REQUIREMENTS
(COMPONENT SIDE OF BOARD SHOWN)

- NOTES:
1. MATERIALS:
 - A: HOUSING: GLASS FILLED PESTER (PBT), UL 94V-0
 - COLOR: BLACK
 - B: CONTACT: COPPER ALLOY, GOLD PLATING

2. PLATING:

- ES: FINISH: 0.76µm MIN Au
- UNDERCOAT: 1.27µm MIN Ni
- G: FINISH: 0.25µm MIN Au
- UNDERCOAT: 1.27µm MIN Ni
- DA: FINISH: 0.08µm MIN Au
- UNDERCOAT: 1.27µm MIN Ni

3. ELECTRICAL CHARACTERISTICS

- ELECTRICAL FEATURES:
- INSULATION RESISTANCE: ----- 10¹⁰ OHMS
 - INITIAL CONTACT RESISTANCE: ----- 0.7 MILLIOHMS MAX
 - POWER CONTACT: ----- 0.7 MILLIOHMS MAX
 - SIGNAL CONTACT: ----- 4.0 MILLIOHMS MAX
 - VOLTAGE PROOF: ----- 1500 VRMS
 - POWER 1 THRU 20: ----- 1500 VRMS
 - POWER 45,46,47: ----- 3000 VRMS
 - POWER 21 THRU 44: ----- 1000 VRMS
 - CURRENT RATING: ----- 16 AMPS
 - DC OUTPUT POWER 1 THRU 20: ----- 23 AMPS
 - INPUT POWER 45,46,47: ----- 2 AMPS
 - SIGNAL CONTACTS: ----- 2 AMPS
 - MINIMUM CREEPAGE DISTANCE [MM]: ----- 3.2
 - POWER 47 TO 45: ----- 3.2
 - POWER 46 TO 45: ----- 3.2
 - POWER 47 TO SIGNAL: ----- 6.4
 - POWER 46 TO SIGNAL: ----- 6.4
 - POWER 47 TO 46: ----- 2.5
 - POWER 45 TO SIGNAL: ----- 2.0

4. SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF: WWW.3MCONNECTOR.COM FOR COMPLIANCE INFORMATION (RIA E1 & C1 APPLY).

5. REFERENCE DOCUMENT: 78-9101-3345-9

6. IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPEC., THE PRODUCT SPEC. TAKES PRECEDENT.

7. PART No.: 3P01-2002-XX
-XX IS PLATING TYPE

8. FOR MATING PRODUCT USE:
3P02-200X-XX CPCI POWER BACKPLANE
FEMALE CONNECTOR 47 POSITIONS

9. PC BOARD THICKNESS:
MINIMUM: 1.60mm MAXIMUM: 3.00mm

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DISTRIBUTION CODES				DRFT	ML	DATE	12/16/10	MFG	DATE
				CHKD	TS	DATE	12/16/10	APPL	DATE
DIVISION		DIVISION CODE		TOLERANCES EXCEPT AS NOTED		TITLE			
DO NOT SCALE DRAWING	SCALE	INCHES		0 ± *	0 ± *	3M 3M Center St. Paul, MN 55144 © 3M COPYRIGHT of the 3M Company and may not be reproduced without 3M written permission or used for other than 3M authorized purposes.			
		MILLIMETERS		0 ± *	0 ± *				
		THIRD ANGLE PROJECTION		0 ± *	0 ± *				
INTERPRET PER ASME Y14.5 - 1994		MAX SURFACE ROUGHNESS		0.00 ± 0.10	0.00 ± 0.10	CAGE NUMBER		DRAWING NO.	
✓ ☐ MARKED ONLY		ANGLES ± 1°		MODEL		SIZE		REV.	
						78-5100-2374-6		A	