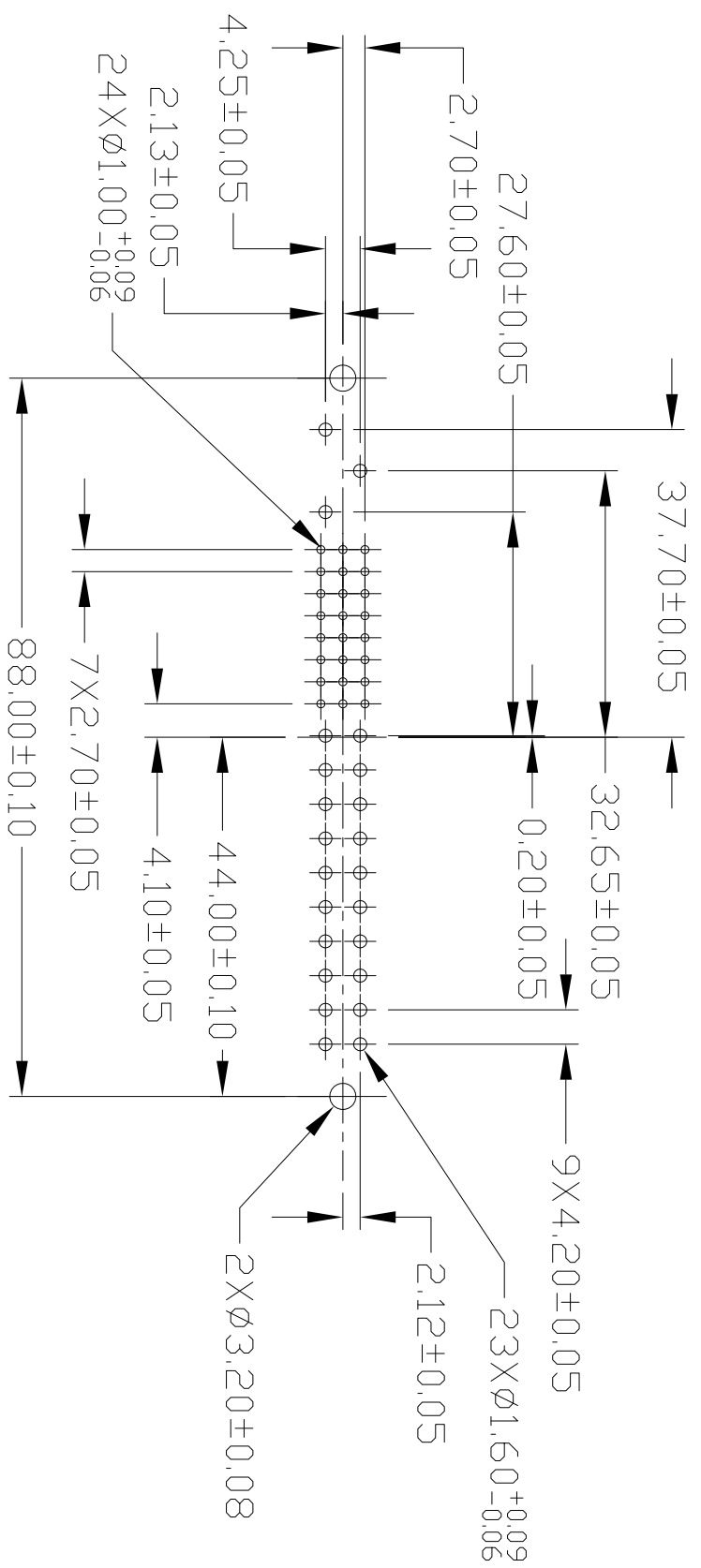
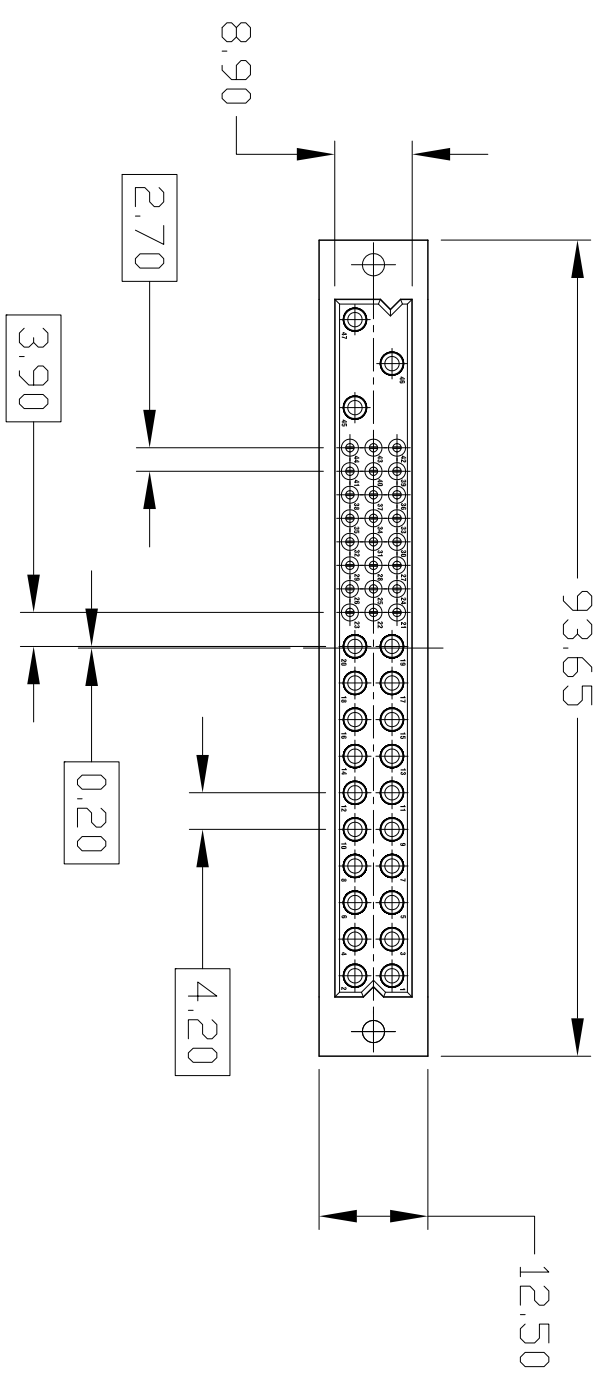
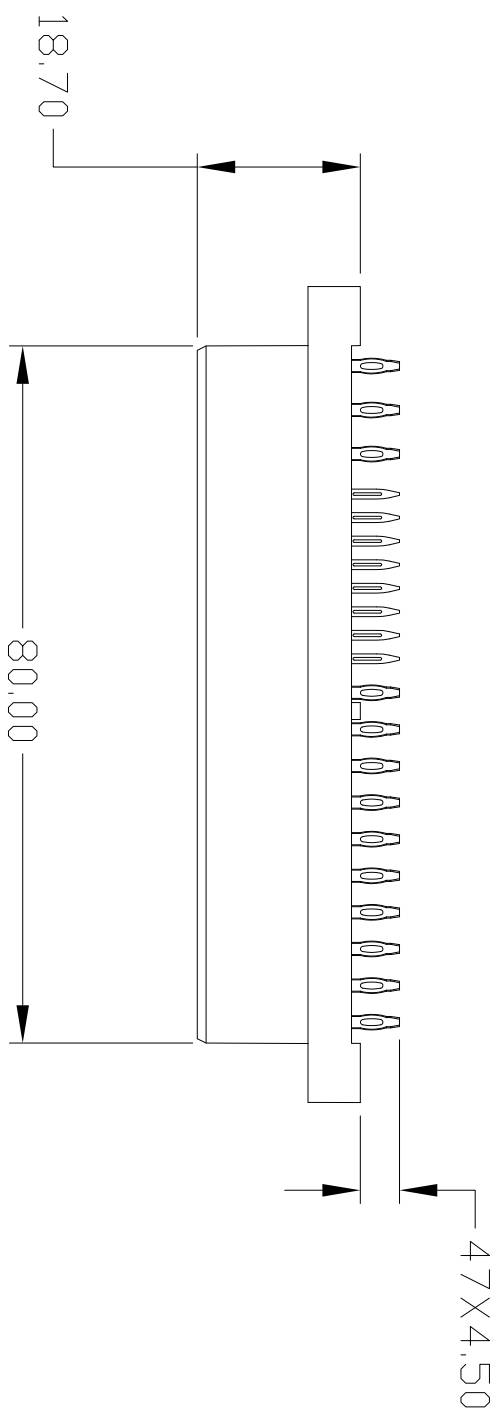
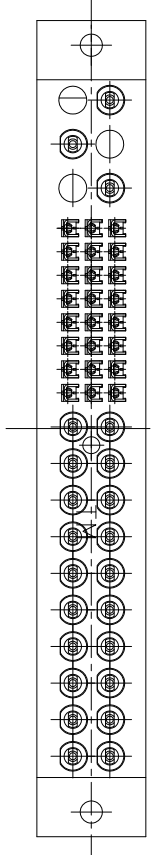


3M™ POWER BACKPLANE FEMALE CONNECTOR FOR CPCI APPLICATIONS, 47 POSITION



RECOMMENDED PC BOARD REQUIREMENTS
(COMPONENT SIDE OF BOARD SHOWN)

- NOTES:
- MATERIALS:
 - A: HOUSING: GLASS FILLED PESTER (PBT)
 - B: CONTACT: COPPER ALLOY, GOLD PLATING
 - 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

- ELECTRICAL CHARACTERISTICS
 - ELECTRICAL FEATURES:
 - INSULATION RESISTANCE: 10¹⁰ OHMS
 - INITIAL CONTACT RESISTANCE: 0.7 MILLIOHMS MAX
 - POWER CONTACT: 4.0 MILLIOHMS MAX
 - SIGNAL CONTACT: 4.0 MILLIOHMS MAX
 - VOLTAGE PROOF:
 - POWER 1 THRU 20: 1500 VRMS
 - POWER 45,46,47: 3000 VRMS
 - POWER 21 THRU 44: 1000 VRMS
 - CURRENT RATING:
 - DC OUTPUT POWER 1 THRU 20: 16 AMPS
 - INPUT POWER 45,46,47: 23 AMPS
 - SIZE 22 SIGNAL CONTACTS: 2 AMPS
 - MINIMUM CREEPAGE DISTANCE [MM]
 - POWER 47 TD 45: 3.2
 - POWER 46 TD 45: 3.2
 - POWER 47 TD SIGNAL: 6.4
 - POWER 46 TD SIGNAL: 6.4
 - POWER 47 TD 46: 2.5
 - POWER 45 TD SIGNAL: 2.0

- SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF: www.3mconnector.com FOR COMPLIANCE INFORMATION (RIA EI & C1 APPLY).
- REFERENCE DOCUMENT: 78-9101-3345-9

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

- PART No.:

PART DESCRIPTION	TAIL TYPE
3P02-2001-XX	PRESS-FIT
3P02-2002-XX	SOLDER TAIL
- FOR MATING PRODUCT USE:
 - 3P01-200X-XX CPCI POWER RIGHT ANGLE MALE CONNECTOR 47 POSITIONS

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DISTRIBUTION CODES		DRFT	ML	DATE 12/8/10	WFS	DATE
DIVISION		OHIO	TS	DATE 12/8/10	APPL	DATE
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED INCHES: 0 ± * .00 ± * .000 ± * .0000 ± * MILLIMETERS: 0 ± * .0 ± 0.30 .00 ± 0.20 .000 ± 0.10				
THIRD ANGLE PROJECTION		TITLE: 3P02-200X-XX CPCI POWER BACKPLANE FEMALE CONNECTOR 47 POSITIONS © 3M. COPYRIGHT of the 3M Company and may not be reproduced without 3M written permission or used for other than 3M authorized purposes.				
INTERPRET PER ASME Y14.5 - 1994		CAGE NUMBER	SIZE	DRAWING NO.	REV.	
MAX SURFACE ROUGHNESS		78-5100-2370-4	C	78-5100-2370-4	A	
<input type="checkbox"/> ALL SURFACES		DEF. LISTS	<input type="checkbox"/> YES <input type="checkbox"/> NO	SHT 1 OF 1		
<input checked="" type="checkbox"/> MARKED ONLY		ANGLES ± 1°				