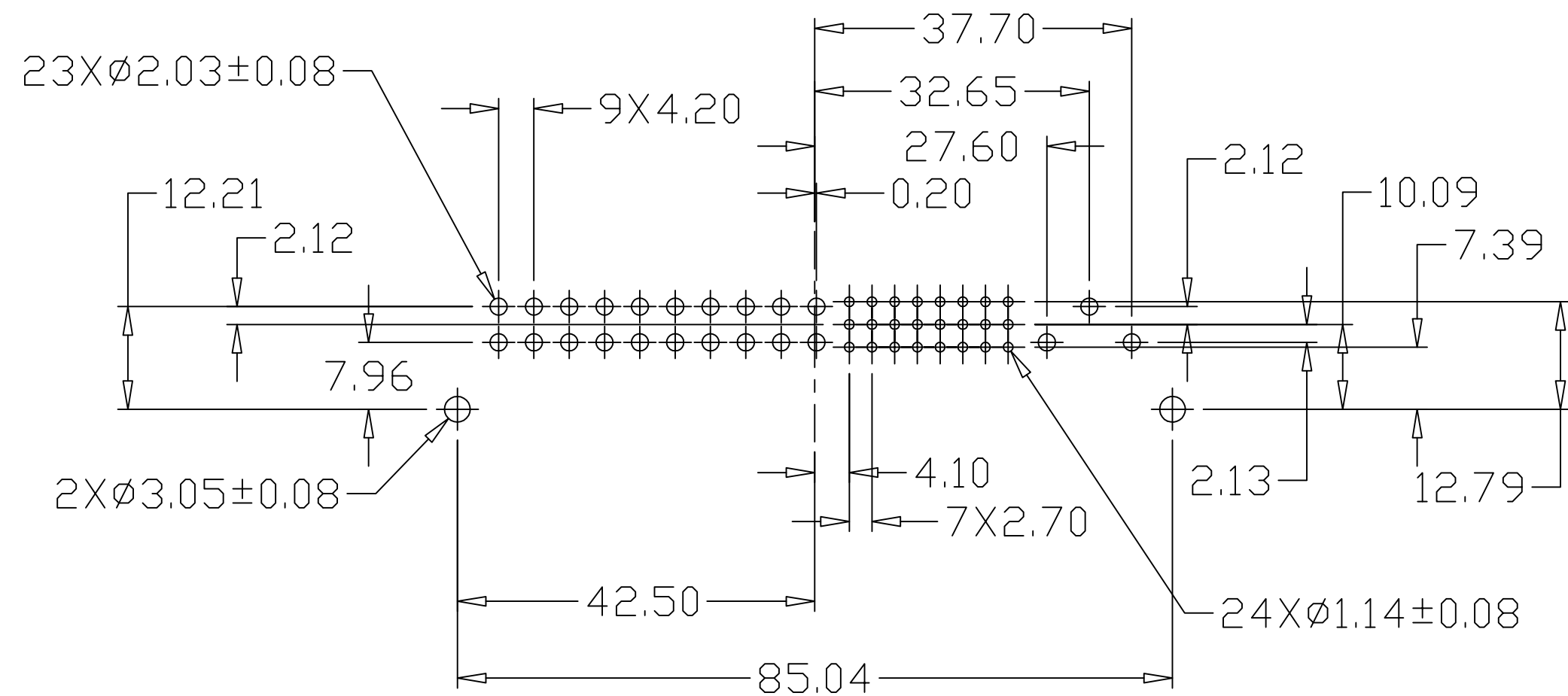
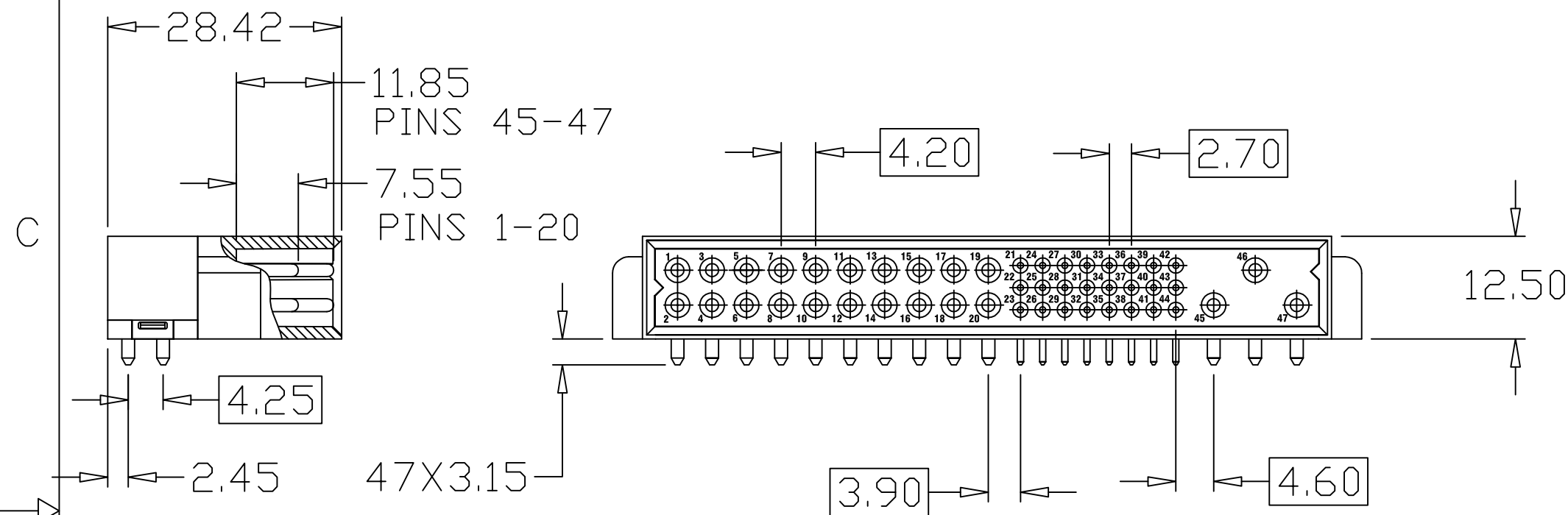
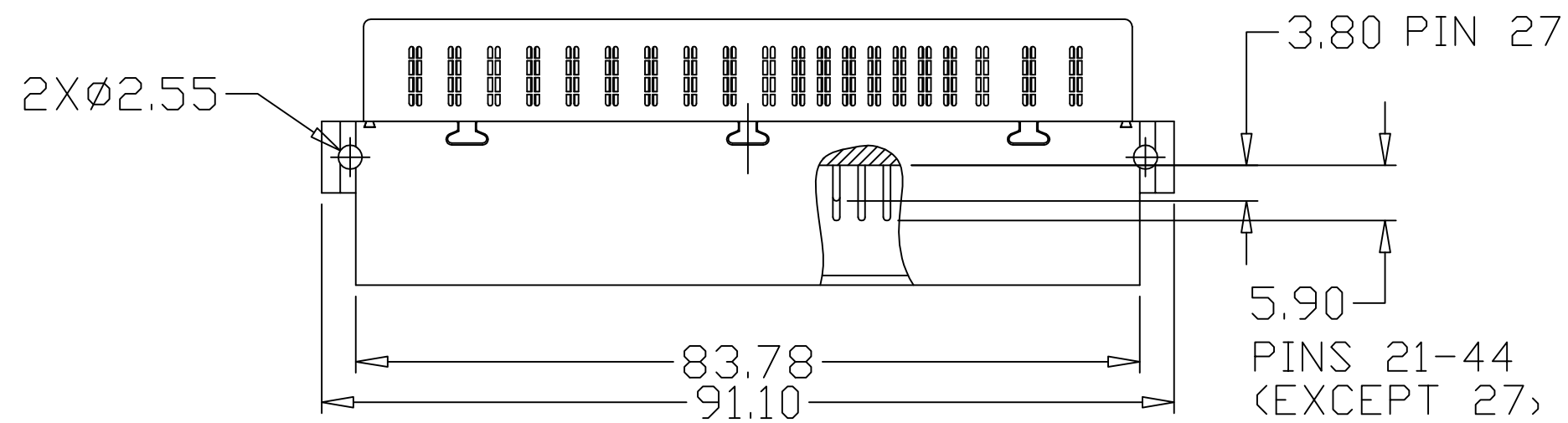
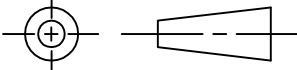



3M™ POWER RIGHT ANGLE MALE CONNECTOR  
FOR CPCI APPLICATIONS, 47 POSITION



RECOMMENDED PC BOARD REQUIREMENTS  
(COMPONENT SIDE OF BOARD SHOWN)

- NOTES:
- MATERIALS:
    - A: HOUSING: GLASS FILLED POYESTER (PBT), UL 94V-0  
COLOR BLACK
    - 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 ----- 10<sup>10</sup> OHMS
    - INITIAL CONTACT RESISTANCE:
      - POWER CONTACT ----- 0.7 MILLISECS MAX
      - SIGNAL CONTACT ----- 4.0 MILLISECS 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
      - SIGNAL CONTACTS ----- 2 AMPS
      - MINIMUM CREEPAGE DISTANCE [MM]
        - 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
  - SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "RoHS COMPLIANCE" SECTION OF: WWW.3MCONNECTOR.COM FOR COMPLIANCE INFORMATION (RIA E1 & C1 APPLY).
  - TEMPERATURE RATING: -55 TO +125C
  - IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPEC., THE PRODUCT SPEC. TAKES PRECEDENT.
  - PART No.: 3P01-2002-XX  
-XX IS PLATING TYPE
  - FOR MATING PRODUCT USE:  
3P02-200X-XX CPCI POWER BACKPLANE  
FEMALE CONNECTOR 47 POSITIONS
  - 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				<div>3M</div> <div>3M Center St. Paul, MN 55144</div>		© 3M COPYRIGHT This document is the copyrighted property of the 3M Company and may not be reproduced without 3M written permission or used for other than 3M authorized purposes.							
DO NOT SCALE DRAWING		SCALE		TOLERANCES EXCEPT AS NOTED													
				INCHES				TITLE  3P01-2002-XX CPCI POWER RIGHT ANGLE MALE CONNECTOR 47 POSITIONS									
				.0 ± *													
				.00 ± *													
				.000 ± *													
THIRD ANGLE PROJECTION				.0000 ± *				CAGE NUMBER SIZE DRAWING NO. 78-5100-2374-6 REV. C									
INTERPRET PER ASME Y14.5 - 1994				MILLIMETERS													
MAX SURFACE ROUGHNESS <input type="checkbox"/> ALL SURFACES <input checked="" type="checkbox"/> MARKED ONLY				0 ± *													
				.0 ± 0.30 .00 ± 0.20 .000 ± 0.10													
				ANGLES ± 1°				MODEL				DET. LISTS <input type="checkbox"/> YES <input type="checkbox"/> NO				SHT 1 OF 1	

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