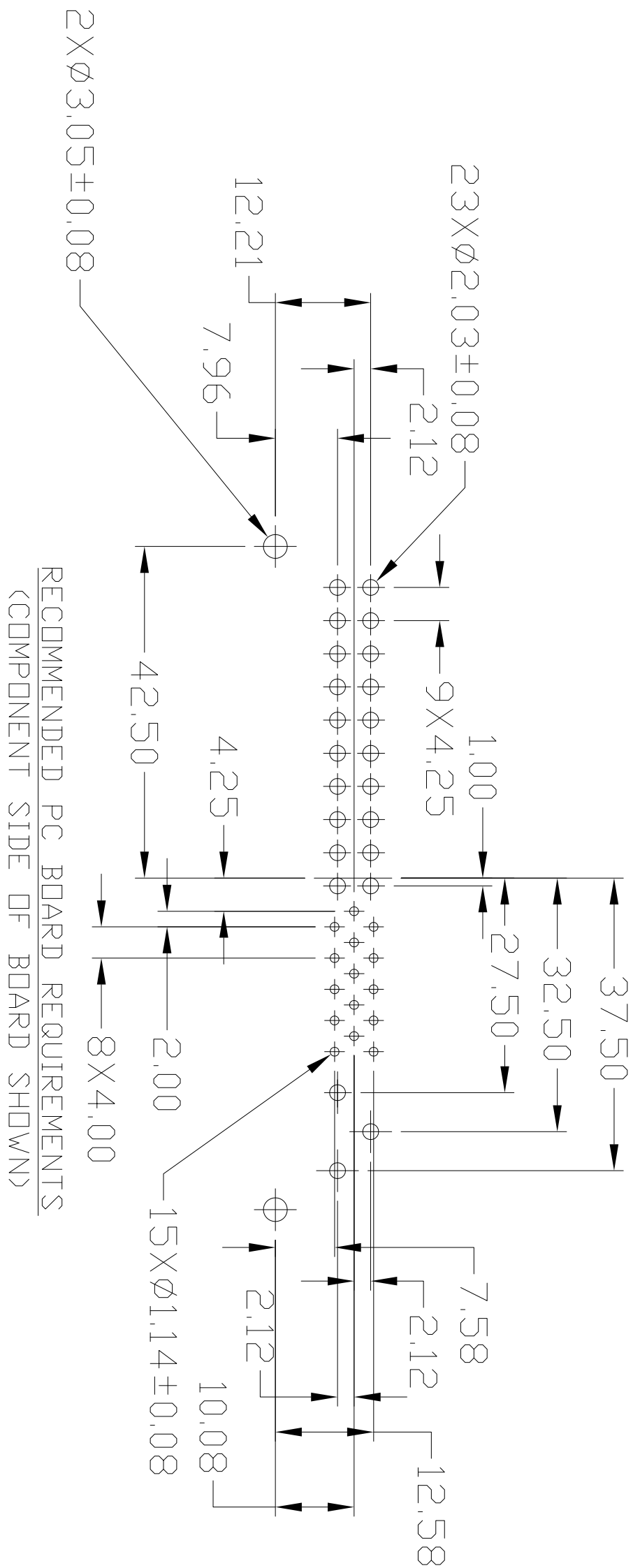
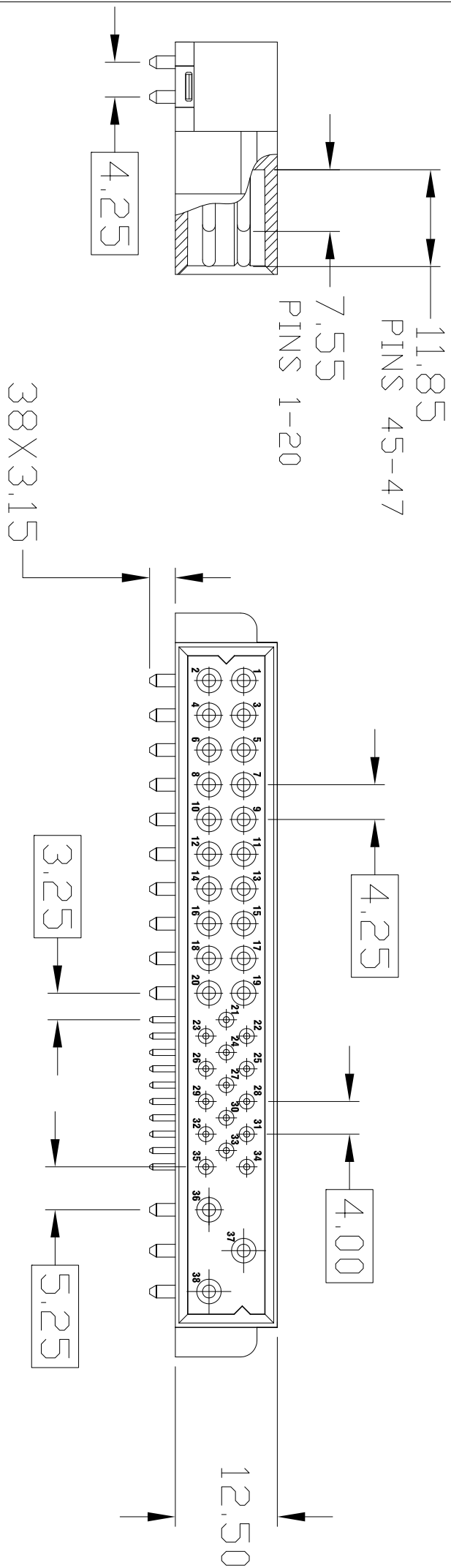
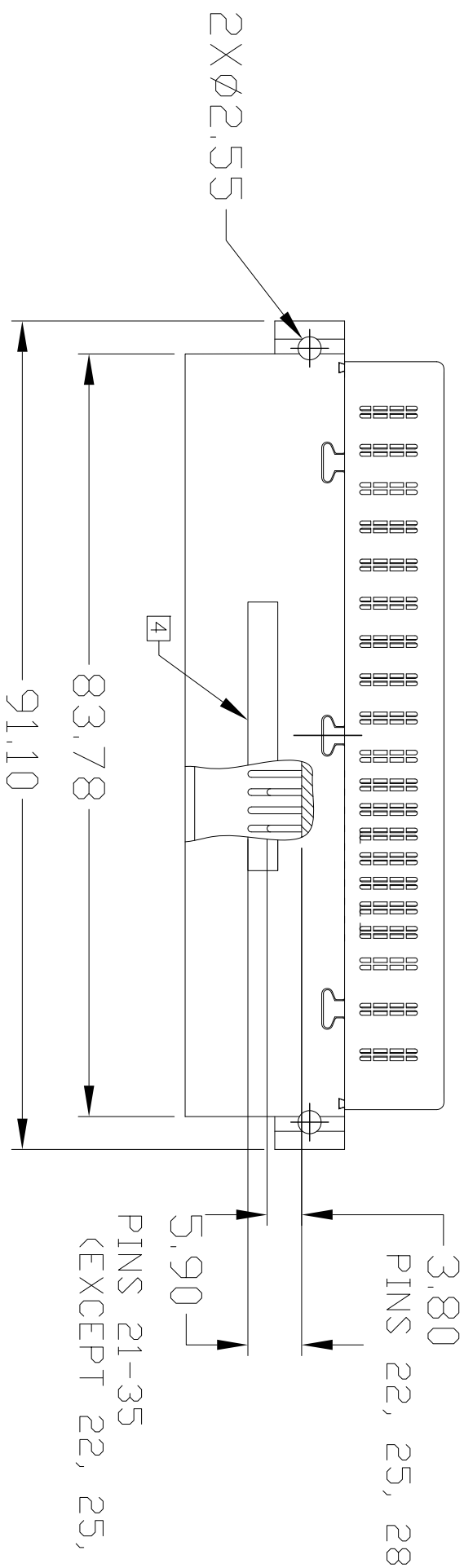


3M™ POWER RIGHT ANGLE MALE CONNECTOR
FOR CPC1 APPLICATIONS, 38 POSITION



- NOTES:
- 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:
 - POWER CONTACT: ----- 0.7 MILLIOHMS MAX
 - SIGNAL CONTACT: ----- 4.0 MILLIOHMS MAX
- VOLTAGE PROOF:
- POWER 1 THRU 20: ----- 1500 VRMS
 - POWER 36,37,38: ----- 3000 VRMS
 - POWER 21 THRU 35: ----- 1000 VRMS
- CURRENT RATING:
- DC OUTPUT POWER 1 THRU 20: ----- 16 AMPS
 - INPUT POWER 36,37,38: ----- 23 AMPS
- SIGNAL CONTACTS: ----- 2 AMPS
- MINIMUM CREEPAGE DISTANCE [MM]
- POWER 38 TO 36: ----- 3.2
 - POWER 37 TO 36: ----- 3.2
 - POWER 38 TO SIGNAL: ----- 6.4
 - POWER 37 TO SIGNAL: ----- 6.4
 - POWER 38 TO 37: ----- 2.5
 - POWER 36 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.: 3P01-1002-XX
-XX IS PLATING TYPE

8. FOR MATING PRODUCT USE:
3P02-100X-XX CPC1 POWER BACKPLANE
FEMALE CONNECTOR 38 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	Peter	DATE 6/7/07	MFG	DATE	
				CHKD	Seawen	DATE 6/7/07	APPL	DATE	
DIVISION		DIVISION CODE							
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED		TITLE					
		INCHES 0 ± * .00 ± * .000 ± * .0000 ± *		<div>3M 3M Center St. Paul, MN 55144</div> <div>© 3M COPYRIGHT of the 3M Company and may not be reproduced without 3M written permission or used for other than 3M authorized purposes.</div>					
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 1994	MILLIMETERS 0 ± * .0 ± 0.30 .00 ± 0.20 .000 ± 0.10							
MAX SURFACE ROUGHNESS <input type="checkbox"/> ALL SURFACES	ASME Y14.5 - 1994	ANGLES ± 1°							
<input checked="" type="checkbox"/> MARKED ONLY									
				CAGE NUMBER	SIZE	DRAWING NO.		REV.	
						78-5100-2375-3		A	
				MODEL	DEF.	LISTS	<input type="checkbox"/> YES <input type="checkbox"/> NO	SHT 1 OF 1	

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[3P01-1002-DA](#)