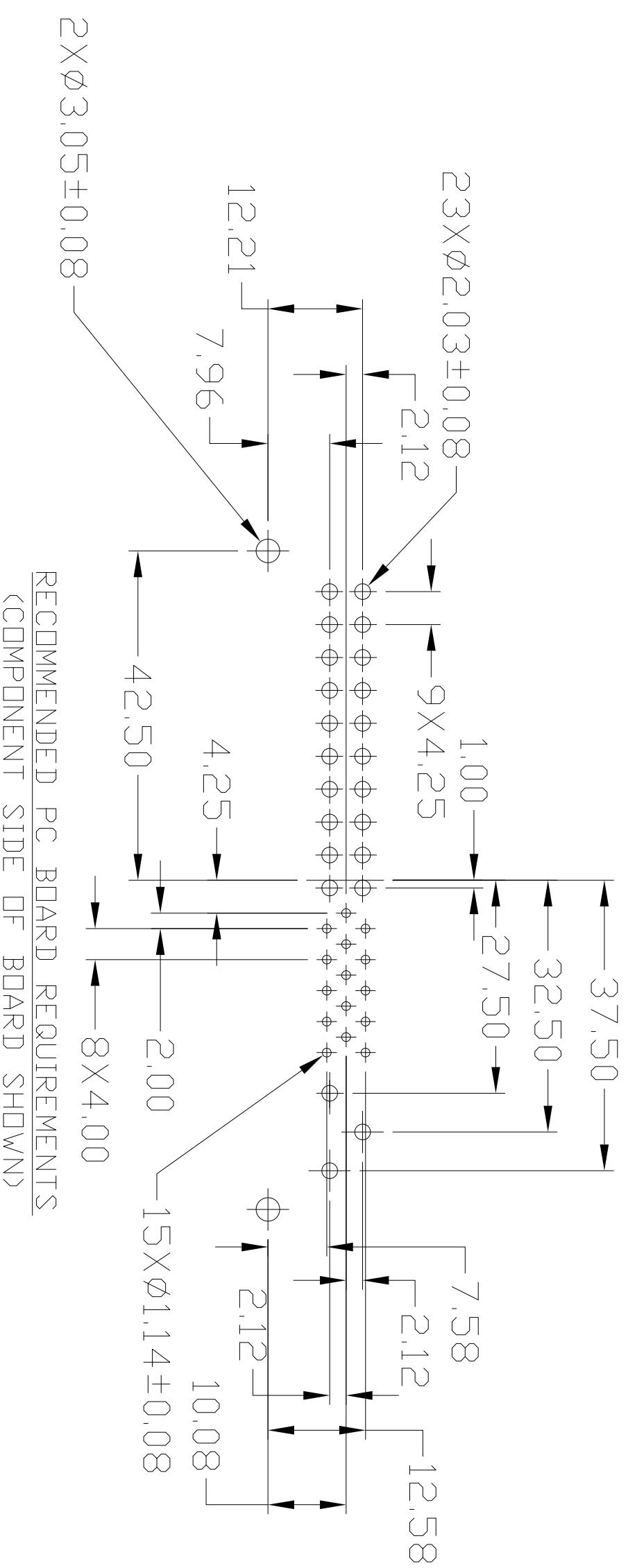
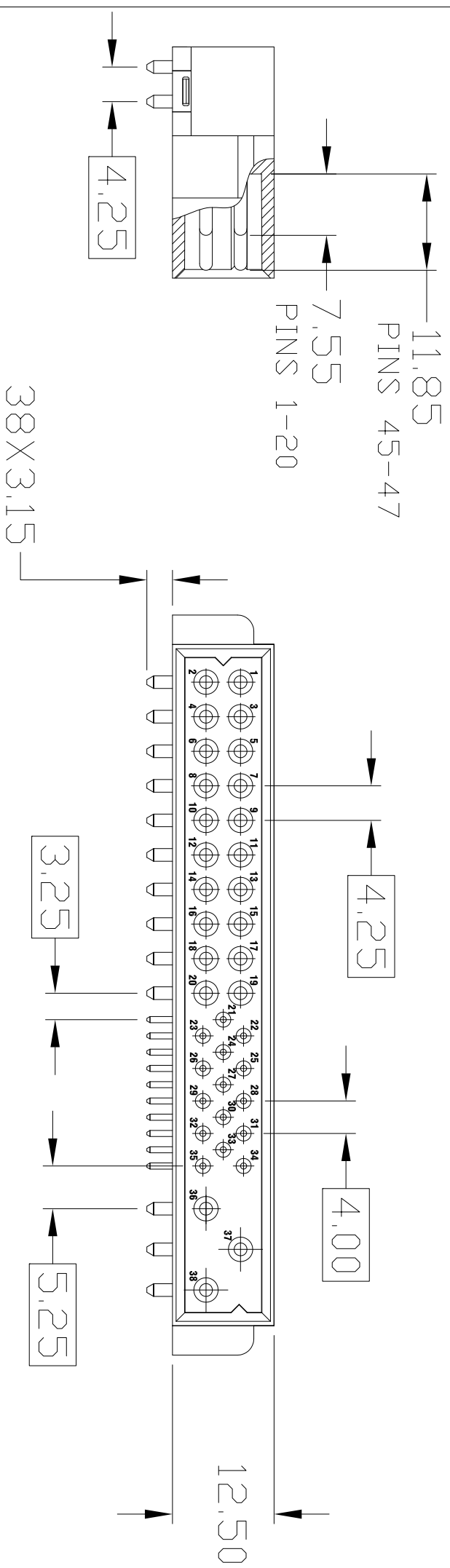
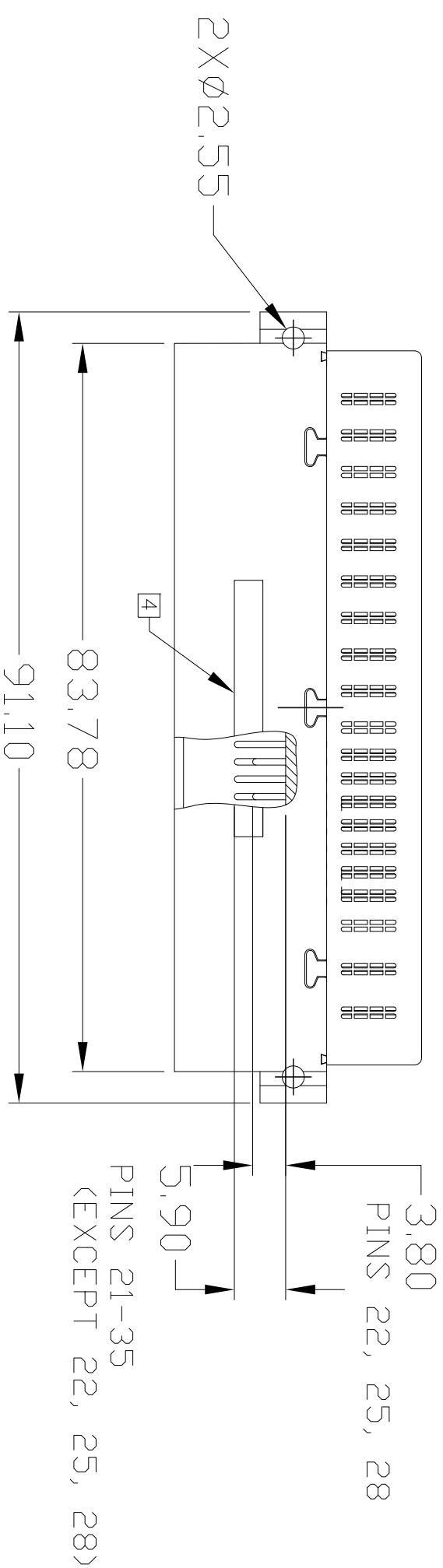


3M™ POWER RIGHT ANGLE MALE CONNECTOR FOR CPCI APPLICATIONS, 38 POSITION



- NOTES:
- MATERIALS:
 - A: HOUSING: GLASS FILLED PESTER (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: ----- 10¹⁰ OHMS

INSULATION RESISTANCE: ----- 10¹⁰ OHMS

INITIAL CONTACT RESISTANCE: ----- 0.7 MILLIOHMS MAX

POWER CONTACT: ----- 4.0 MILLIOHMS MAX

SIGNAL CONTACT: ----- 4.0 MILLIOHMS MAX

VOLTAGE PRODF:

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 TD 36 ----- 3.2

POWER 37 TD 36 ----- 3.2

POWER 38 TD SIGNAL ----- 6.4

POWER 37 TD SIGNAL ----- 6.4

POWER 38 TD 37 ----- 2.5

POWER 36 TD SIGNAL ----- 2.0

- SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF: [WWW.3MCONNECTOR.COM](http://www.3mconnector.com) FOR COMPLIANCE INFORMATION (RIA E1 & 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.: 3P01-1002-XX
-XX IS PLATING TYPE
- FOR MATING PRODUCT USE:
3P02-100X-XX CPCI POWER BACKPLANE FEMALE CONNECTOR 38 POSITIONS
- PC BOARD THICKNESS:
MINIMUM: 1.60mm MAXIMUM: 3.00mm

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRAFT	CHKD
DISTRIBUTION CODES		DRFT	Peter	DATE 6/7/07	WFG	
DIVISION		OHIO	SEC.WEN	DATE 6/7/07	APPL	
DO NOT SCALE DRAWING	SCALE	<p>3M 3M Center St. Paul, MN 55144</p> <p>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.</p>				
THIRD ANGLE PROJECTION		<p>© 3M COPYRIGHT</p> <p>3P01-1002-XX CPCI POWER RIGHT ANGLE MALE CONNECTOR 38 POSITIONS</p>				
INTERPRET PER ASME Y14.5 - 1994		CAGE NUMBER	SIZE	DRAWING NO.	REV.	
MAX SURFACE ROUGHNESS		000	C	78-5100-2375-3	A	
ALL SURFACES		ANGLES ± 1°		DEF. LISTS	YES	NO
MARKED ONLY				SHT	1	OF 1