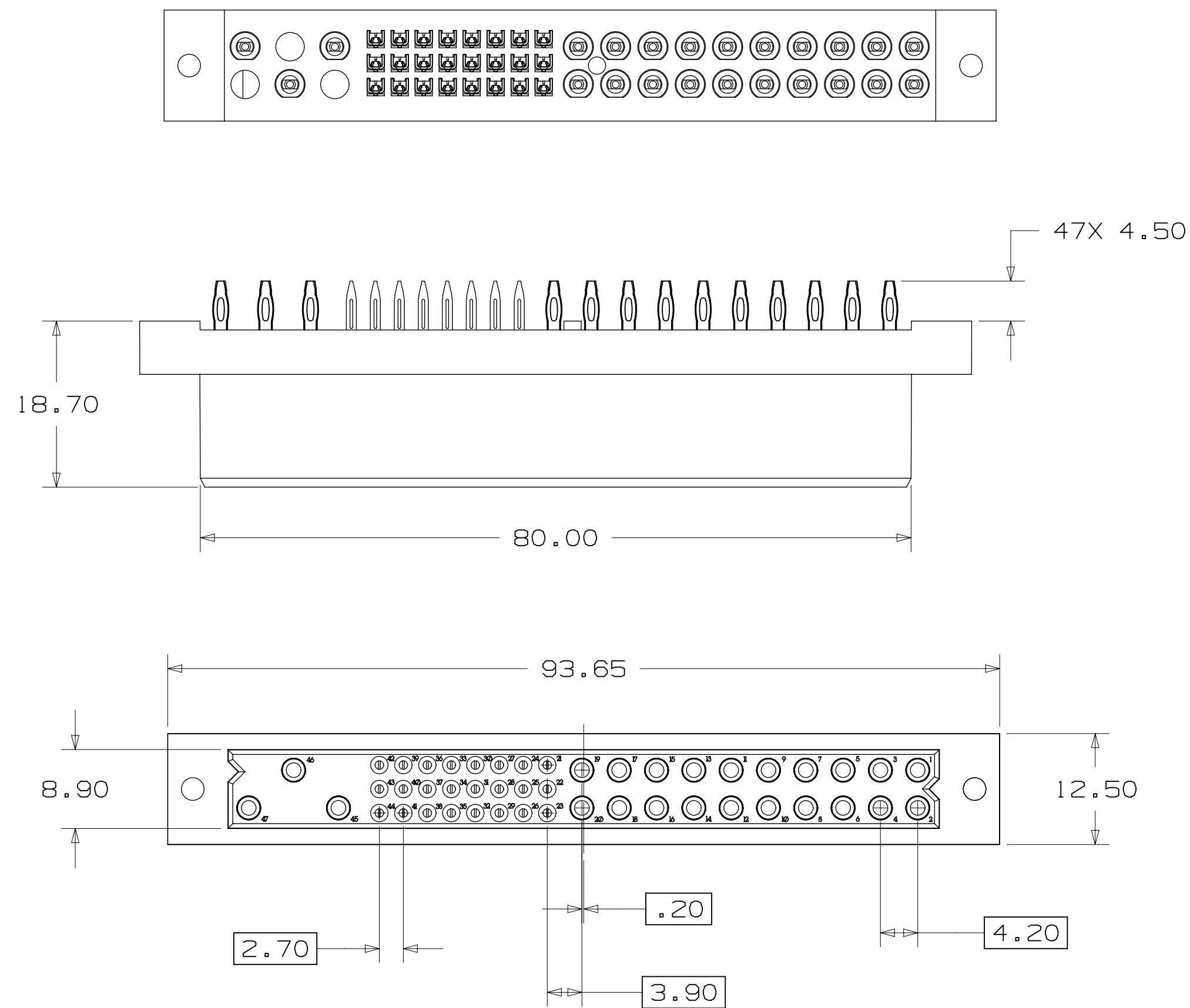


3M™ POWER BACKPLANE FEMALE CONNECTOR FOR CPCI APPLICATIONS, 47 POSITION



ELECTRICAL CHARACTERISTICS:

ELECTRICAL FEATURES:
 INSULATION RESISTANCE - 10 OHMS

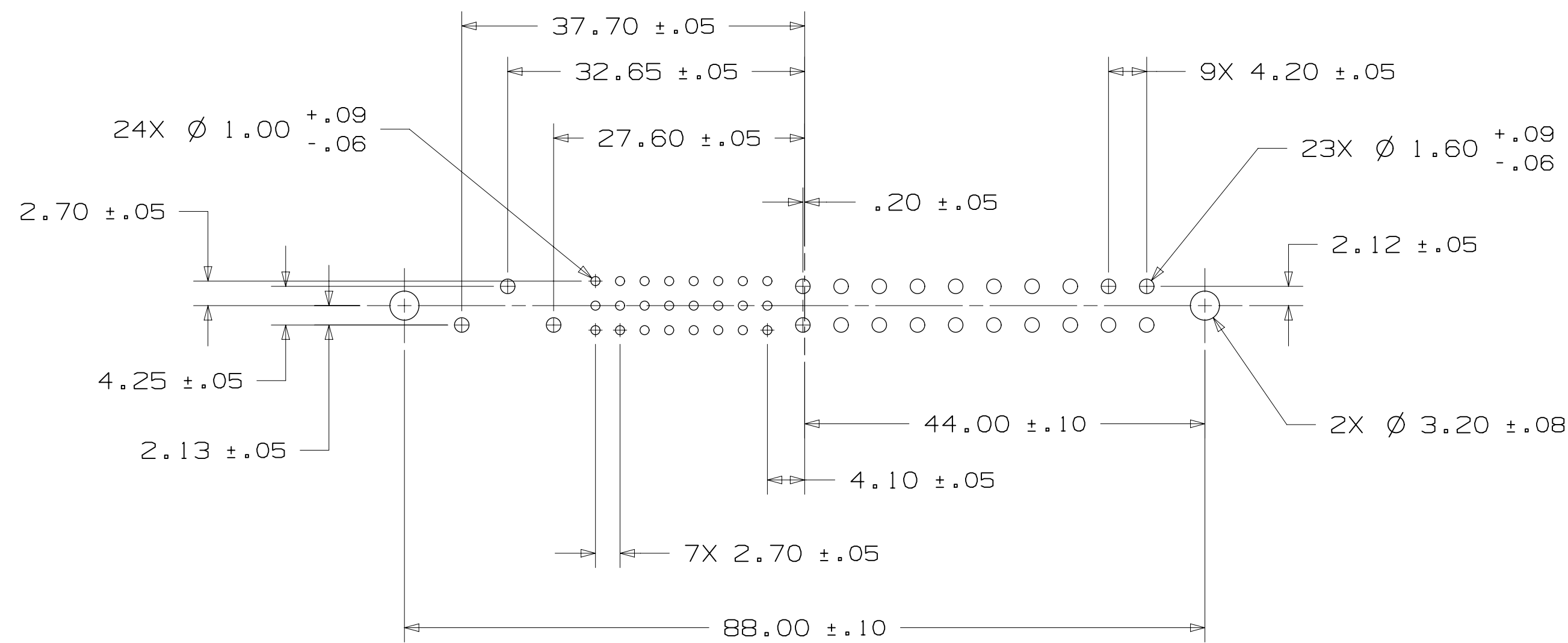
INITIAL CONTACT RESISTANCE:
 POWER CONTACT ----- 0.7 MILLIOHMS MAX
 SIGNAL CONTACT ----- 4.0 MILLIOHMS MAX

VOLTAGE PROOF:
 POWER 1 THRU 20 ----- 1500 VRMS
 POWER 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 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

ENVIRONMENTAL:
 TEMPERATURE RATING: -55 TO +125C

- NOTES
- MATERIAL:
 HOUSING: GLASS FILLED POYESTER (PBT)
 CONTACT: COPPER ALLOY, GOLD PLATING
 - PLATING:
 -ES: FINISH: 0.76um MIN Au
 UNDERCOAT: 1.27um MIN Ni
 -G: FINISH: 0.25um MIN Au
 UNDERCOAT: 1.27um MIN Ni
 -DA: FINISH: 0.08um MIN Au
 UNDERCOAT: 1.27um MIN Ni
 - REGULATORY INFORMATION:
 VISIT 3M.com/regs OR CONTACT YOUR 3M REPRESENTATIVE TO FIND THE RoHS COMPLIANCE STATUS OF THE 3M PART YOU ARE INTERESTED IN.
 - IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.
 - FOR MATING PRODUCT USE:
 3P01-200X-XX CPCI POWER RIGHT ANGLE MALE CONNECTOR 47 POS.



RECOMMENDED HOLE PATTERN
 (COMPONENT SIDE OF BOARD SHOWN)
 PCB THICKNESS: 3.20 MINIMUM

PART NUMBER	
PART DESCRIPTION	TAIL TYPE
3P02-2001-XX	PRESS-FIT
3P02-2002-XX	SOLDER TAIL

DESIGN REFERENCE		REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
NEXT ASSEMBLY		C	57812	AUG 25, 2016 WARRANTY INFO	JNC	TS
DIVISION		DATE		MFG		DATE
EMSD		DEC 04, 2014		T. SUNIGA		DEC 04, 2014
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		© 3M COPYRIGHT 2017 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.		
THIRD ANGLE PROJECTION		MILLIMETERS		TITLE		
INTERPRET PER ASME Y14.5 - 2009		0 ± .3		3P02-200X-XX CPCI POWER BACKPLANE, FEMALE CONNECTOR		
MAX SURFACE ROUGHNESS		.00 ± .20		CAGE NUMBER		REV.
SURFACES		.000 ± .100		D 78-5100-2370-4		C
MARKED ONLY		ANGLES		MODEL		SHT 1 OF 2
		CPCI		DET		YES X NO

3M™ ELECTRONICS MATERIALS SOLUTIONS DIVISION
 INTERCONNECT SOLUTIONS
<http://www.3mconnectors.com>

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

Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

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