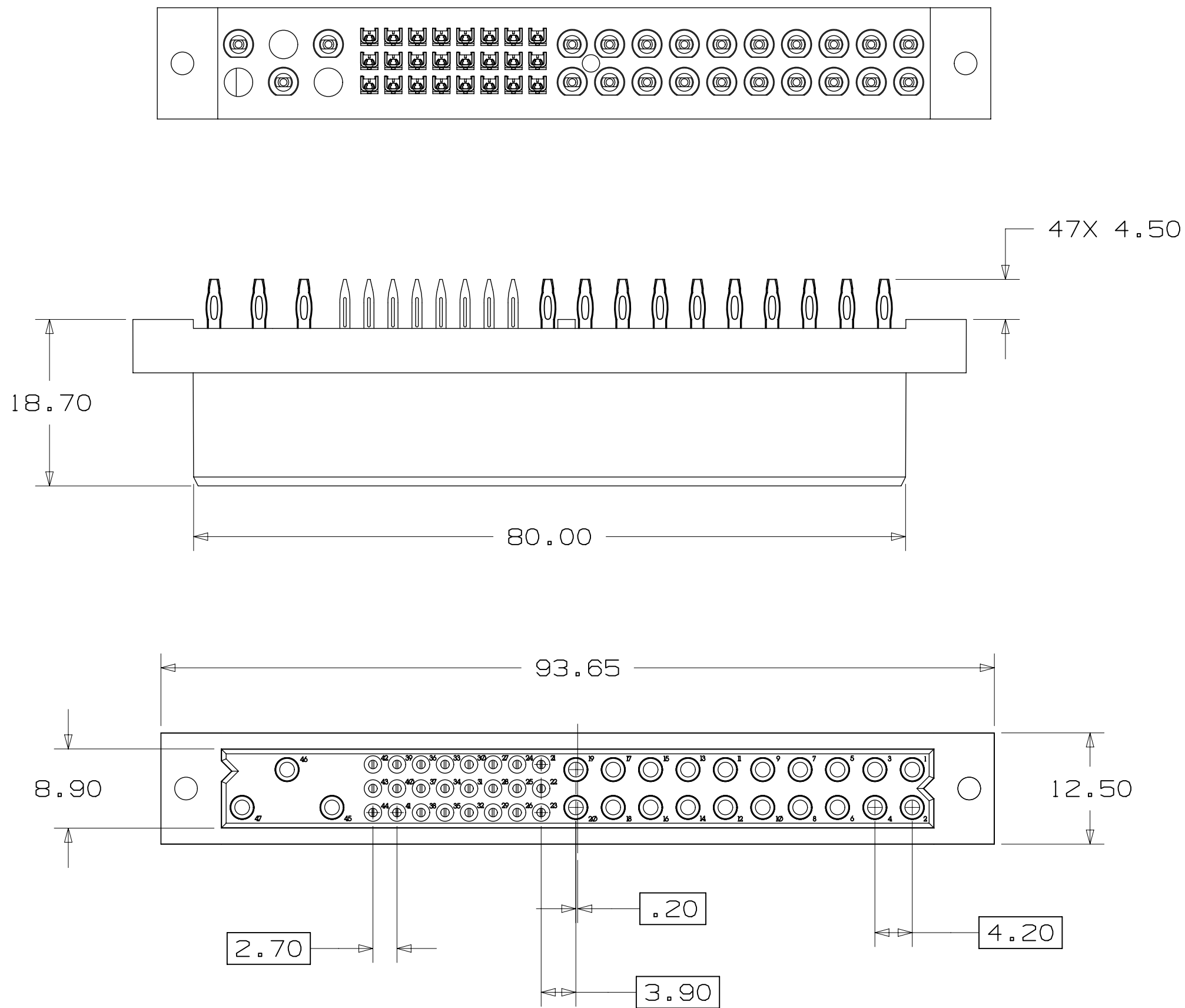


3M™ POWER BACKPLANE FEMALE CONNECTOR FOR CPCI APPLICATIONS, 47 POSITION



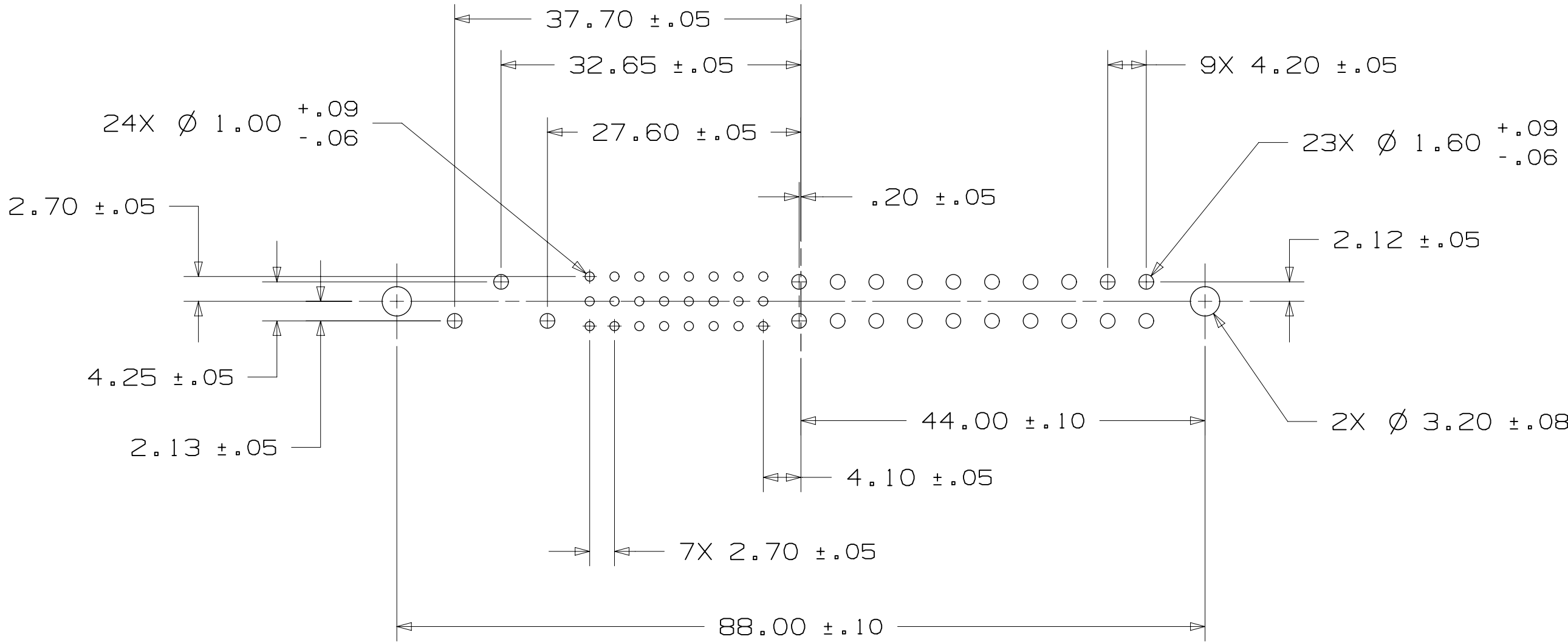
ELECTRICAL CHARACTERISTICS:

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
1. MATERIAL:  
HOUSING: GLASS FILLED  
POYESTER (PBT)  
CONTACT: COPPER ALLOY,  
GOLD PLATING
  2. 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
  3. 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.
  4. IN THE EVENT OF CONFLICT  
BETWEEN THIS DATA AND THAT  
CONTAINED IN THE PRODUCT  
SPECIFICATION, THE PRODUCT  
SPECIFICATION TAKES PRECEDENT.
  5. 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

DIMENSIONS: MM

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX						
DIVISION	DIVISION CODE	CHKD	CHKD	DATE	DATE	DATE
	EMSD			DEC 04,2014	DEC 04,2014	DEC 04,2014
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED				
		INCHES				
		MILLIMETERS				
THIRD ANGLE PROJECTION						
INTERPRET PER ASME Y14.5 - 2009						
MAX SURFACE ROUGHNESS						
MARKED SURFACES						
MARKED ONLY						

C	57812	AUG 25,2016	JNC	TS
		AUG 25,2016 ADD WARRANTY INFO		
		DEC 04,2014 REDRAWN IN INX & ADD MIN PCB THICKNESS		

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TITLE  
3P02-200X-XX CPCI  
POWER BACKPLANE,  
FEMALE CONNECTOR

CAGE NUMBER  
D 78-5100-2370-4

MODEL  
CPCI

REV.  
C

DET  
LISTS

YES  
NO

SHT 1 OF 2

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INTERCONNECT SOLUTIONS  
<http://www.3mconnectors.com>

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

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www.3M.com/interconnect

		C	57812	AUG 25,2016 AUG 25,2016 ADD WARRANTY INFO		JNC	TS
				DEC 04,2014 REDRAWN IN NX & ADD MIN PCB THICKNESS			
DESIGN REFERENCE		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES		DRP CASTIGLIONE	DATE DEC 04,2014	MFG DATE			
		CHKD	DATE	APPRV T. SUNIGA	DATE DEC 04,2014		
DIVISION		DIVISION CODE EMSD		© 3M COPYRIGHT 2017			
DO NOT SCALE DRAWING		SCALE		3M Center St. Paul, MN 55144 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		TOLERANCES EXCEPT AS NOTED		TITLE 3P02-200X-XX CPCI POWER BACKPLANE, FEMALE CONNECTOR			
INTERPRET PER ASME Y14.5 - 2009		INCHES .0 .00 .002 ± .000 ±		CAGE NUMBER D78-5100-2370-4			
MAX SURFACE ROUGHNESS 12.5 SURFACES ✓ MARKED ONLY		MILLIMETERS 0 ± 2 .0 ± .3 .00 ± .20 .000 ± .100		DRAWING NO. 78-5100-2370-4		REV. C	
		MODEL cpci		DET LISTS		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> SHT 2 OF 2	

# Mouser Electronics

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[3P02-2002-G](#) [3P02-2001-DA](#)