



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

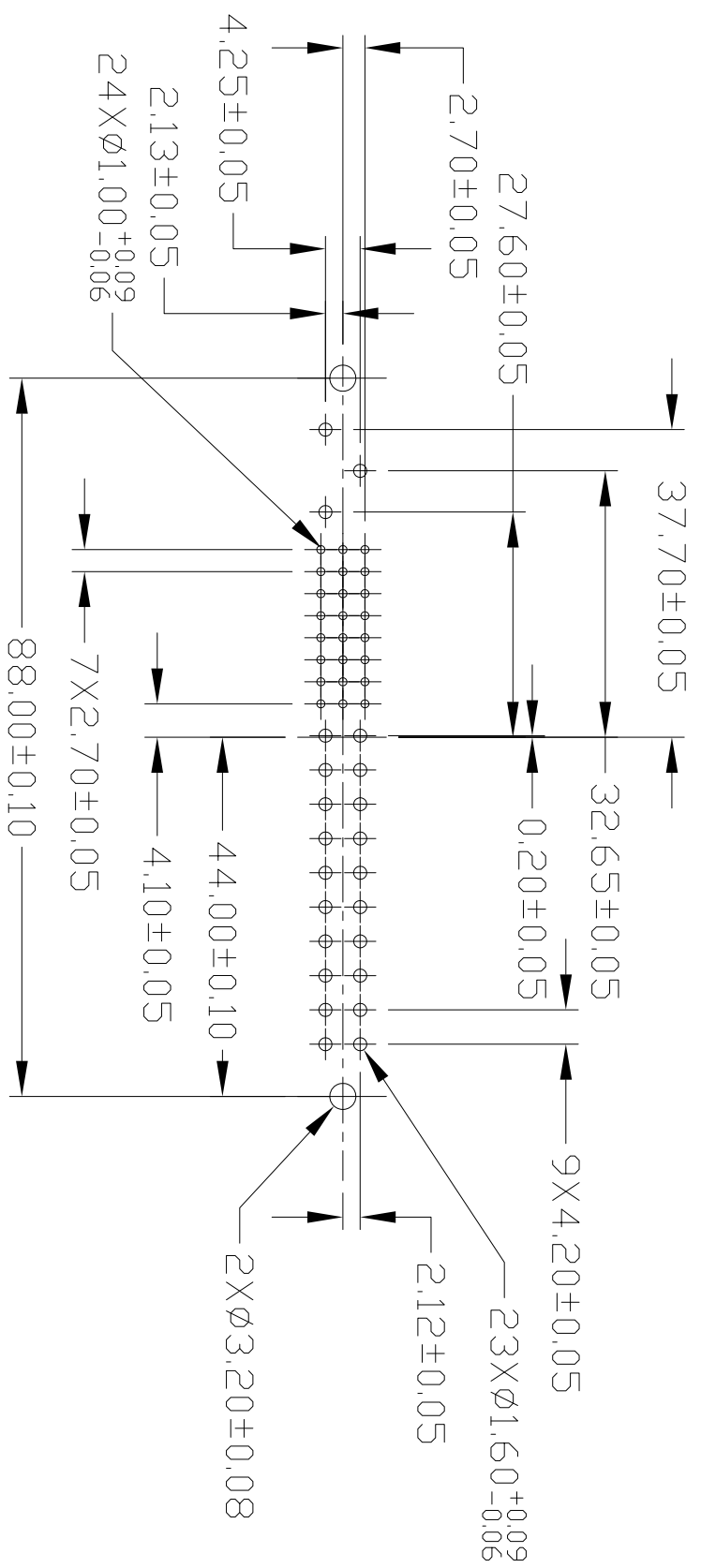
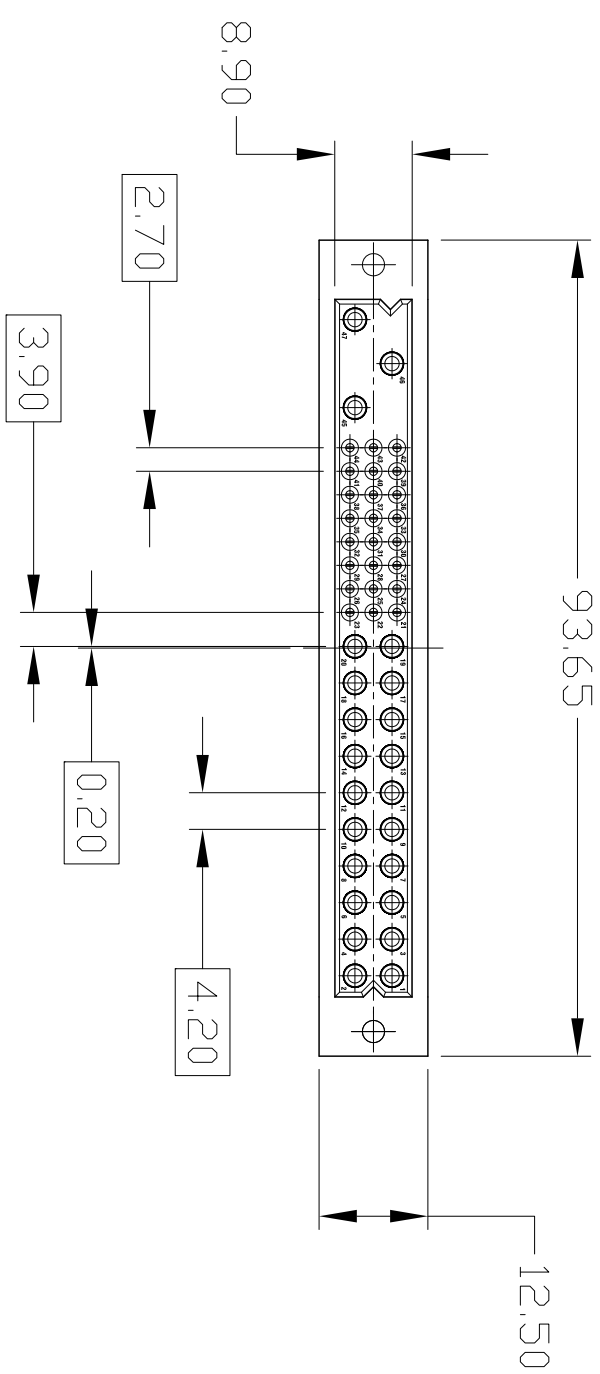
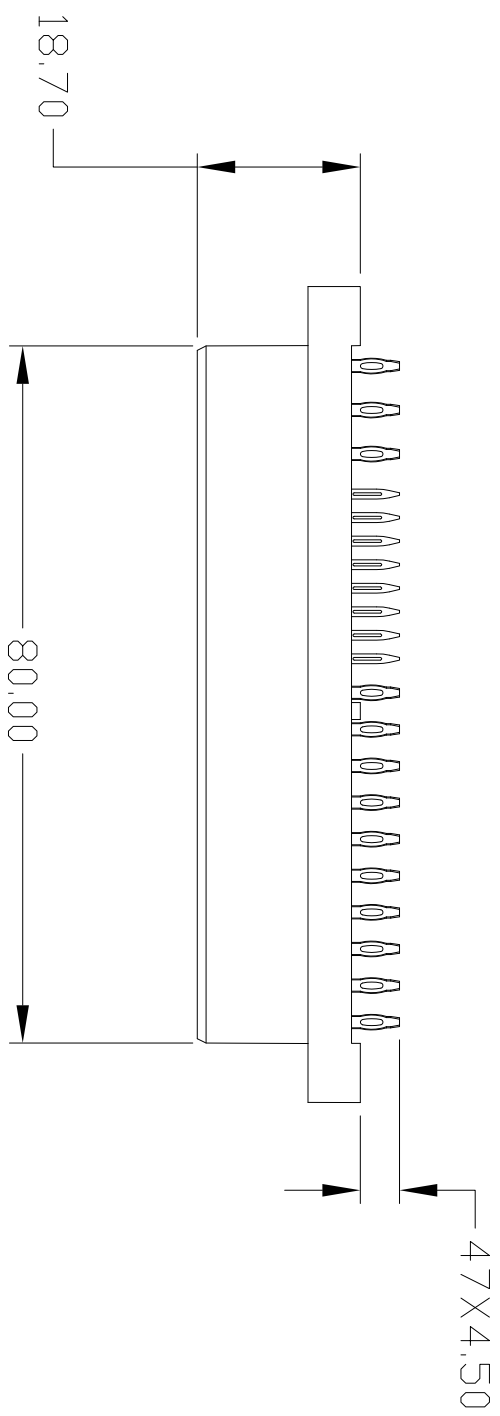
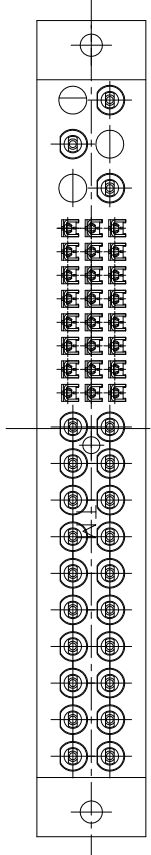
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3M™ POWER BACKPLANE FEMALE CONNECTOR FOR CPCI APPLICATIONS, 47 POSITION



RECOMMENDED PC BOARD REQUIREMENTS
(COMPONENT SIDE OF BOARD SHOWN)

- NOTES:
1. MATERIALS:
A: HOUSING: GLASS FILLED PESTER (PBT)
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: ----- 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 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 TD 45 ----- 3.2
POWER 46 TD 45 ----- 3.2
POWER 47 TD SIGNAL ----- 6.4
POWER 46 TD SIGNAL ----- 6.4
POWER 47 TD 46 ----- 2.5
POWER 45 TD SIGNAL ----- 2.0

4. SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF: [WWW.3MCONNECTOR.COM](http://www.3mconnector.com) FOR COMPLIANCE INFORMATION (RIA EI & 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.:
PART DESCRIPTION TAIL TYPE
3P02-2001-XX PRESS-FIT
3P02-2002-XX SOLDER TAIL
8. FOR MATING PRODUCT USE:
3P01-200X-XX CPCI POWER RIGHT ANGLE MALE CONNECTOR 47 POSITIONS

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DISTRIBUTION CODES		ML		DATE 12/8/10	WFS	
DIVISION		OHIO	TS	DATE 12/8/10	APPL	
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION		INCHES 0 ± * .00 ± * .000 ± * .0000 ± *				
INTERPRET PER ASME Y14.5 - 1994		MILLIMETERS 0 ± * .30 ± * .00 ± 0.20 .000 ± 0.10				
MAX SURFACE ROUGHNESS		ANGLES ± 1°				
<input type="checkbox"/> ALL SURFACES						
<input checked="" type="checkbox"/> MARKED ONLY						
TITLE		3P02-200X-XX CPCI POWER BACKPLANE FEMALE CONNECTOR 47 POSITIONS				
CAGE NUMBER		DRAWING NO.		REV.		
78-5100-2370-4		78-5100-2370-4		A		
MODEL		DEF. LISTS <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> SHT 1 OF 1				

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3M Center St. Paul, MN 55144

A

B

C

D

A

B

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