

## Excellent Integrated System Limited

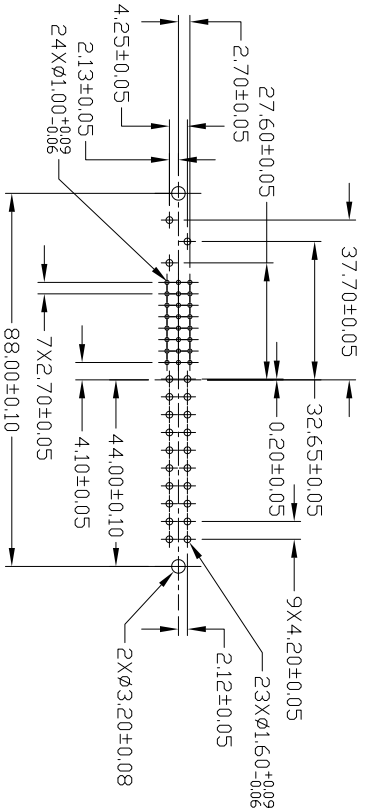
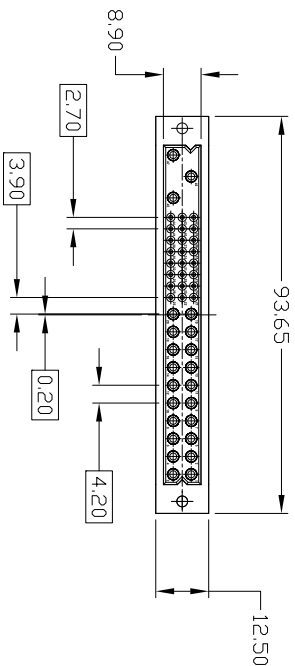
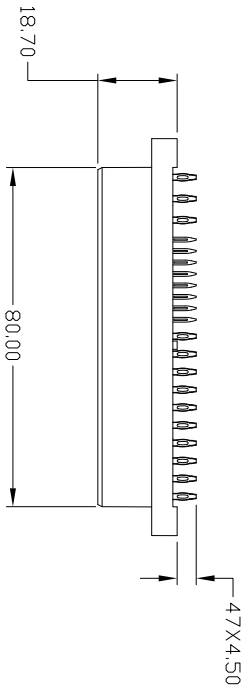
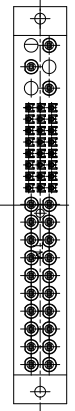
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[3M](#)  
[3P02-2001-ES](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

# 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:  
 INSULATION RESISTANCE ----- 10<sup>9</sup> OHMS  
 INITIAL CONTACT RESISTANCE ----- 0.7 MILLISECS MAX  
 POWER CONTACT ----- 4.0 MILLISECS MAX  
 SIGNAL CONTACT ----- 4.0 MILLISECS 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 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: [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	DRGT	CHKO
DESIGNATION		DRGT	ML	DATE 12/8/10	WIG	DATE
SCALE		CHKO	TS	DATE 12/8/10	APPL	DATE
DO NOT SCALE DRAWING		<p>This document is the property of the 3M Company and may not be reproduced without the written permission of 3M. © 3M, copyright 2010. All rights reserved. 3M, the 3M logo and other marks contained herein are trademarks of 3M Company.</p>				
THIRD ANGLE PROJECTION		<p>3P02-200X-XX CPCI POWER BACKPLANE FEMALE CONNECTOR 47 POSITIONS</p>				
INTERPLOT PER ASME Y14.5 - 1394		<p>CASE NUMBER 78-5100-2370-4</p>				
MAX SURFACE ROUGHNESS		<p>MODEL [ ] YES [ ] NO SHIT 1 OF 1</p>				
✓ □ MARKED ONLY		<p>ANGLES ± °</p>				