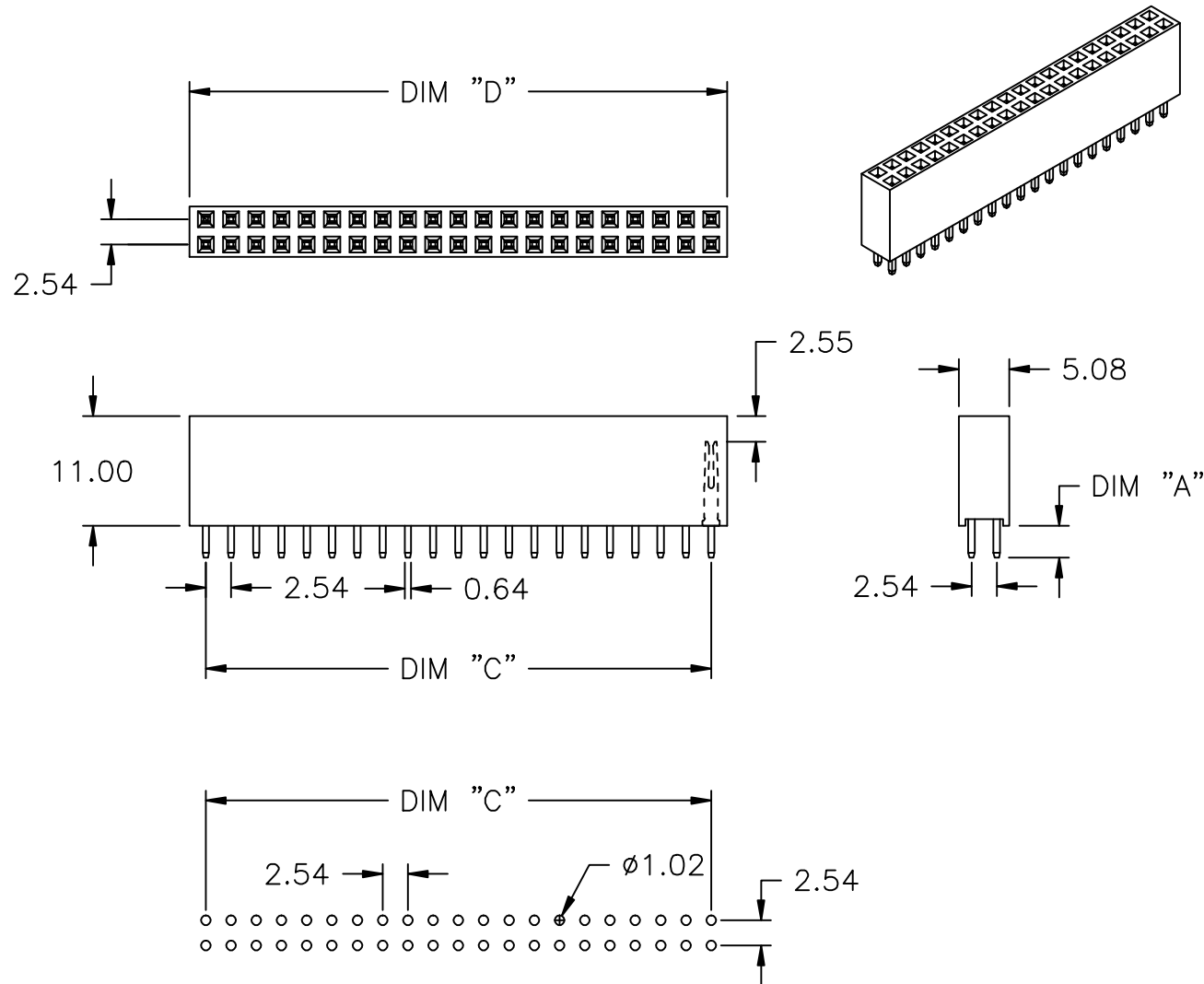


3M™ CONNECTOR FOR PC104 EMBEDDED SYSTEM APPLICATIONS,  
COMPLIANT AND BUS COMPATIBLE



RECOMMENDED P.C.B LAYOUT  
TOLERANCES: ±0.05mm

TYPE	PART NO.	DIM "A"	DIM "C"	DIM "D"	MIN STANDOFF	MAX STANDOFF
40-PIN COMPLIANT NON-STACK-THRU SOLDER	4P01-2A02-XX	3.20	48.26	51.50	15.0	
40-PIN BUS COMPATIBLE STACK-THRU SOLDER	4P01-2B02-XX	6.00	48.26	51.50	11.3	13.0
40-PIN COMPLIANT STACK-THRU SOLDER	4P01-2C02-XX	7.90	48.26	51.50	11.3	14.9
40-PIN COMPLIANT STACK-THRU SOLDER	4P01-2D02-XX	12.00	48.26	51.50	15.0	19.0
64-PIN COMPLIANT NON-STACK-THRU SOLDER	4P02-2A02-XX	3.20	78.74	81.98	15.0	
64-PIN BUS COMPATIBLE STACK-THRU SOLDER	4P02-2B02-XX	6.00	78.74	81.98	11.3	13.0
64-PIN COMPLIANT STACK-THRU SOLDER	4P02-2C02-XX	7.90	78.74	81.98	11.3	14.9
64-PIN COMPLIANT STACK-THRU SOLDER	4P02-2D02-XX	12.00	78.74	81.98	15.0	19.0

-XX IS PLATING TYPE

- NOTES:
- MATERIAL:  
CONTACT MATERIAL: PHOSPHOR BRONZE  
INSULATOR MATERIAL: POLYESTER NYLON-6T  
UL 94V-0
  - PLATING:  $\mu\text{M}[\mu\text{in}]$   
-DA  
0.08[3] MIN Au FEMALE CONTACTS  
0.08[3] MIN Au MALE CONTACTS  
1.27[50] MIN Ni UNDERCOAT  
-MG  
0.38[15] MIN Au FEMALE CONTACTS  
0.08[3] MIN Au MALE CONTACTS  
1.27[50] MIN Ni UNDERCOAT  
-SL  
0.38[15] MIN Au FEMALE CONTACTS  
2.54[100] MIN Sn NON-STACK-THRU TAILS  
1.27[50] MIN Ni UNDERCOAT
  - CURRENT RATING: 3 AMPS  
INSULATOR RESISTANCE: 5000 MEGA OHMS MIN  
CONTACT RESISTANCE: 20 MILLIOHMS MAX  
DIELECTRIC WITHSTAND: 1000 VAC  
OPERATING TEMPERATURE: -40°C TO +105°C  
MAX PROCESSING TEMPERATURE: 230°C FOR 60 SECONDS  
260°C FOR 10 SECONDS
  - 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).
  - IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPEC., THE PRODUCT SPEC. TAKES PRECEDENT.
  - REFERENCE DOCUMENT 78-9101-3959-7
  - PART NO: SEE TABLE

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DISTRIBUTION CODES		DRFT	MWL	DATE 02/02/11	MFG	DATE
		CHKD	TS	DATE 02/02/11	APPL	DATE
DIVISION	DIVISION CODE	<b>3M</b> 3M Center St. Paul, MN 55144				
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED				
		INCHES 0.000 ± 0.000 ± 0.000 ± 0.000 ±				
THIRD ANGLE PROJECTION		MILLIMETERS 0 ± 0.00 ±.3 0.00 ±.20 0.00 ±				
INTERPRET PER ASME Y14.5 - 1994		TITLE 4P0X-2X02-XX, PC104, COMPLIANT, CONNECTORS				
MAX SURFACE ROUGHNESS □ ALL SURFACES ✓ □ MARKED ONLY		CAGE NUMBER	SIZE <b>C</b>	DRAWING NO. 78-5100-2392-8	REV. A	
	ANGLES ±	MODEL		DET. LISTS	YES NO	SHT 1 OF 2

3M™ CONNECTOR FOR PC104 EMBEDDED SYSTEM APPLICATIONS,  
COMPLIANT AND BUS COMPATIBLE

PC104 CONNECTOR ORDERING GUIDE

4P

0

X

-

2

X

0

2

-

XX

PRODUCT FAMILY:  
PC104

No. CONTACTS:  
1=40  
2=64

PLATING OPTIONS:  $\mu$ M[ $\mu$ "]  
  
DA = 0.08[3] MIN Au ALL OVER  
1.27[50] MIN Ni ALL OVER  
  
MG = 0.38[15] MIN Au FEMALE CONTACTS  
0.08[3] MIN Au TAIL AREA  
1.27[50] MIN Ni ALL UNDER  
  
SL = 0.38[15] MIN Au FEMALE CONTACTS  
2.54[100] MIN MATTE Sn TAILS  
1.27[50] MIN Ni ALL UNDER  
(NON-STACK-THRU ONLY)  
  
TAIL TYPE:  
2=SOLDER

NOTE: STANDOFF HEIGHT, 15mm = COMPLIANT,  
OTHERS = BUS COMPATIBLE  
TAIL LENGHT, > 4.3mm = STACK-THRU  
< 4.2mm = NON-STACK-THEU

BODY HEIGHT:	TAIL LENGTH:	STANDOFF HEIGHT: [MIN-MAX]mm
A=11.0	3.2	[15.0-]
B=11.0	6.0	[11.3-13.0]
C=11.0	7.9	[11.3-14.9]
D=11.0	12.0	[15.0-19.0]

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DISTRIBUTION CODES		ECO		DRFT	MWL	DATE	02/02/11	MFG	DATE
				CHKD	TS	DATE	02/02/11	APPL	DATE
DIVISION		DIVISION CODE		<div><div>3M</div><div>3M Center St. Paul, MN 55144</div><div>© 3M COPYRIGHT 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.</div></div>					
DO NOT SCALE DRAWING		SCALE		TOLERANCES EXCEPT AS NOTED		TITLE			
				<div><div>INCHES</div><div>.0 ± .00 ± .000 ± .0000 ±</div></div>		4P0X-2X02-XX, PC104, COMPLIANT, CONNECTORS			
THIRD ANGLE PROJECTION				<div><div>MILLIMETERS</div><div>0 ± .0 ± .3 .00 ± .20 .000 ±</div></div>					
INTERPRET PER ASME Y14.5 - 1994				MAX SURFACE ROUGHNESS		CAGE NUMBER		SIZE	DRAWING NO.
<input type="checkbox"/> ALL SURFACES				<input checked="" type="checkbox"/> MARKED ONLY		78-5100-2392-8		C	78-5100-2392-8
				ANGLES ±		MODEL		REV.	REV.
						DET.		YES	NO
						SHT 2		OF 2	

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

3M:

[4P02-2B02-DA](#) [4P01-2B02-DA](#) [4P02-2C02-DA](#)