

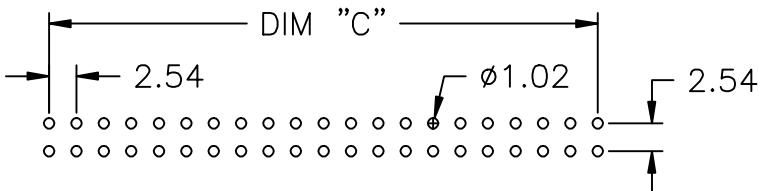
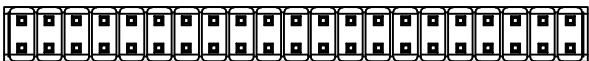
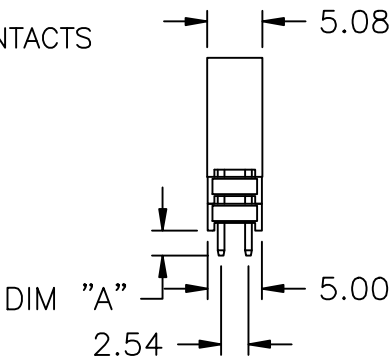
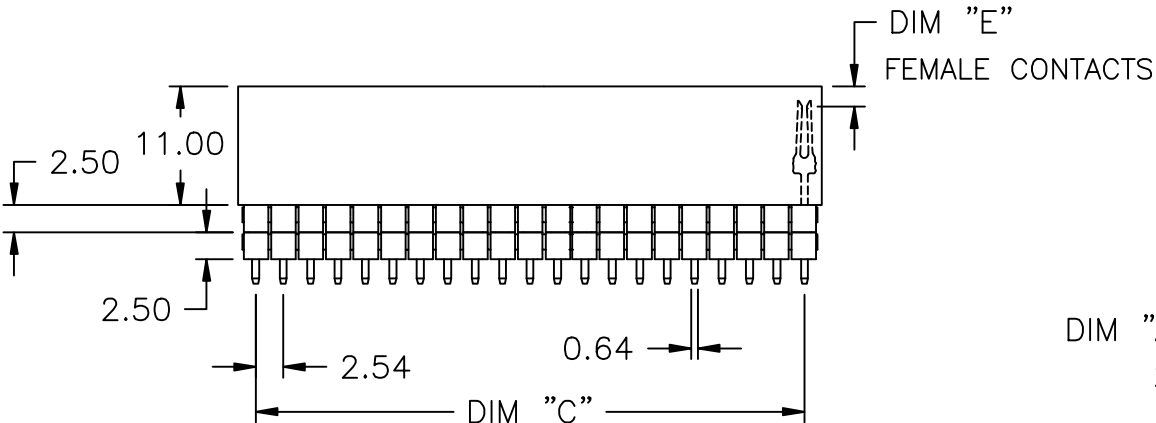
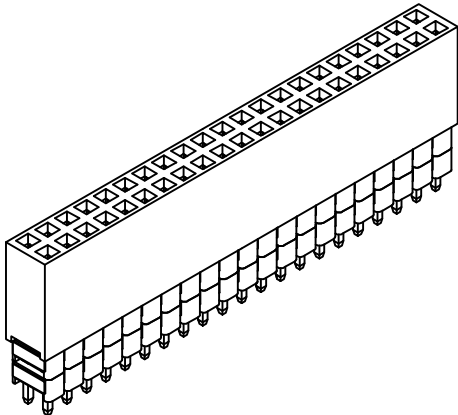
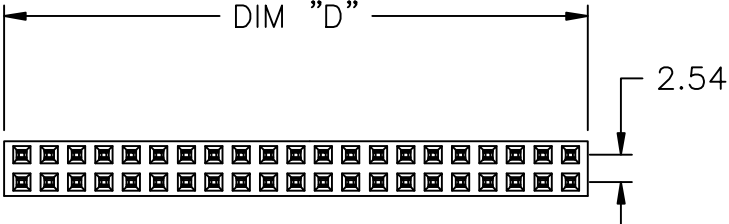
3M™ CONNECTOR FOR PC104 EMBEDDED SYSTEM APPLICATIONS,
BUS COMPATIBLE

D

C

B

A



RECOMMENDED P.C. BOARD
HOLE LAYOUT

- NOTES:
1. MATERIAL:
CONTACT MATERIAL: PHOSPHOR BRONZE
INSULATOR MATERIAL: POLYESTER NYLON-6T
UL 94V-0
 2. PLATING: $\mu\text{M}[\mu"]$
-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
 3. 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
 4. SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF: WWW.3MCONNECTOR.COM FOR COMPLIANCE INFORMATION (RIA E1 & C1 APPLY).
 5. IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPEC., THE PRODUCT SPEC. TAKES PRECEDENT.
 6. REFERENCE DOCUMENT 78-9101-3959-7
 7. PART NO: SEE TABLE

TYPE	PART NO.	DIM "A"	DIM "C"	DIM "D"	DIM "E"	MIN STANDOFF
40-PIN NON-STACK-THRU SOLDER	4P01-2J02-XX	2.29	48.26	51.50	1.87	20.0
40-PIN NON-STACK-THRU SOLDER	4P01-2K02-XX	2.29	48.26	51.50	1.87	20.0
64-PIN NON-STACK-THRU SOLDER	4P02-2J02-XX	3.00	78.74	81.98	2.55	20.0
64-PIN NON-STACK-THRU SOLDER	4P02-2K02-XX	3.00	78.74	81.98	2.55	20.0

-XX IS PLATING TYPE

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DISTRIBUTION CODES		DATE	02/02/11	MFG	DATE	
		CHGD	TS	DATE	02/02/11	APPL
DIVISION	DIVISION CODE	3M 3M Center St. Paul, MN 55144				
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION		INCHES .00 ± .000 ± .0000 ±				
INTERPRET PER ASME Y14.5 - 1994		MILLIMETERS 0 ± .0 ±.3 .00 ±.20 .000 ±				
MAX SURFACE ROUGHNESS □ ALL SURFACES ✓ □ MARKED ONLY		TITLE 4P0X-2X02-XX, PC104, BUS COMPATIBLE, CONNECTORS				
		CAGE NUMBER	SIZE C	DRAWING NO. 78-5100-2393-6	REV. A	
		MODEL	DET. LISTS		YES	NO
		SHT 1 OF 2				

3M™ CONNECTOR FOR PC104 EMBEDDED SYSTEM APPLICATIONS,
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: μ M[μ "]

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:
J=16.0	2.3	[MIN-MAX]mm
K=16.0	3.0	[20.0-] [20.0-]

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>		<div>4P0X-2X02-XX, PC104, BUS COMPATIBLE, CONNECTORS</div>			
THIRD ANGLE PROJECTION				<div><div>MILLIMETERS</div><div>0 .0 .00 .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				<div><div>ANGLES</div><div>±</div></div>		78-5100-2393-6		REV.	A
				MODEL		DET.		YES	NO
						SHT 2		OF 2	

Mouser Electronics

Authorized Distributor

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

3M:

[4P02-2K02-DA](#) [4P02-2J02-DA](#)