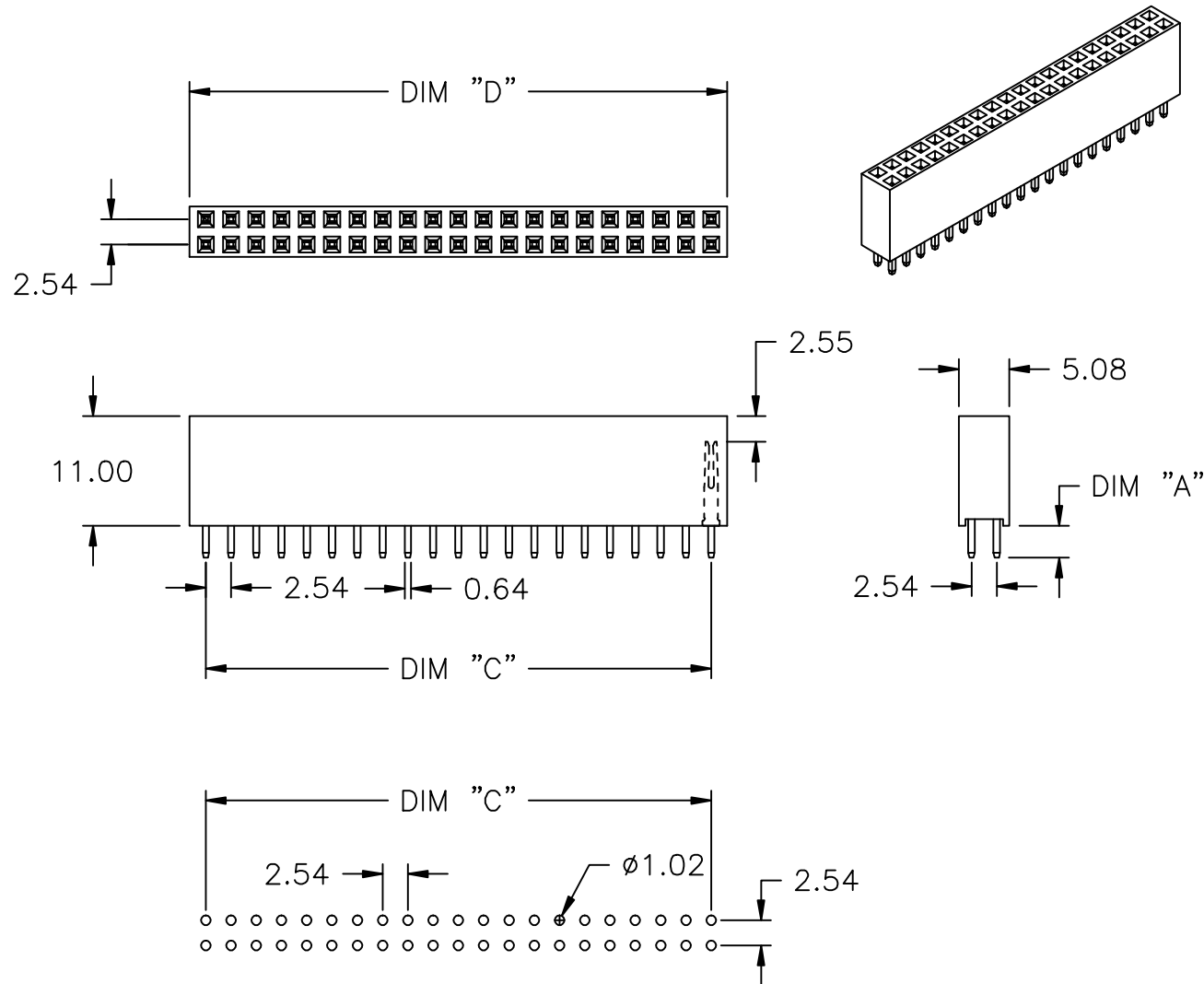


3M™ CONNECTOR FOR PC104 EMBEDDED SYSTEM APPLICATIONS,
COMPLIANT AND BUS COMPATIBLE



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 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	3M 3M Center St. Paul, MN 55144				
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED				
		INCHES 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 C	DRAWING NO. 78-5100-2392-8	REV. A	
		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: μ M[μ "]

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

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

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		3M Center St. Paul, MN 55144					
DO NOT SCALE DRAWING		SCALE		© 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.					
THIRD ANGLE PROJECTION		TOLERANCES EXCEPT AS NOTED		TITLE					
INTERPRET PER ASME Y14.5 - 1994		INCHES		4P0X-2X02-XX, PC104, COMPLIANT, CONNECTORS					
MAX SURFACE ROUGHNESS		MILLIMETERS		CAGE NUMBER		SIZE	DRAWING NO.		REV.
☐ ALL SURFACES		0 ± .3		C			78-5100-2392-8		A
☒ MARKED ONLY		.00 ± .20		MODEL			DET. LISTS		YES NO SHT 2 OF 2
		ANGLES ±							