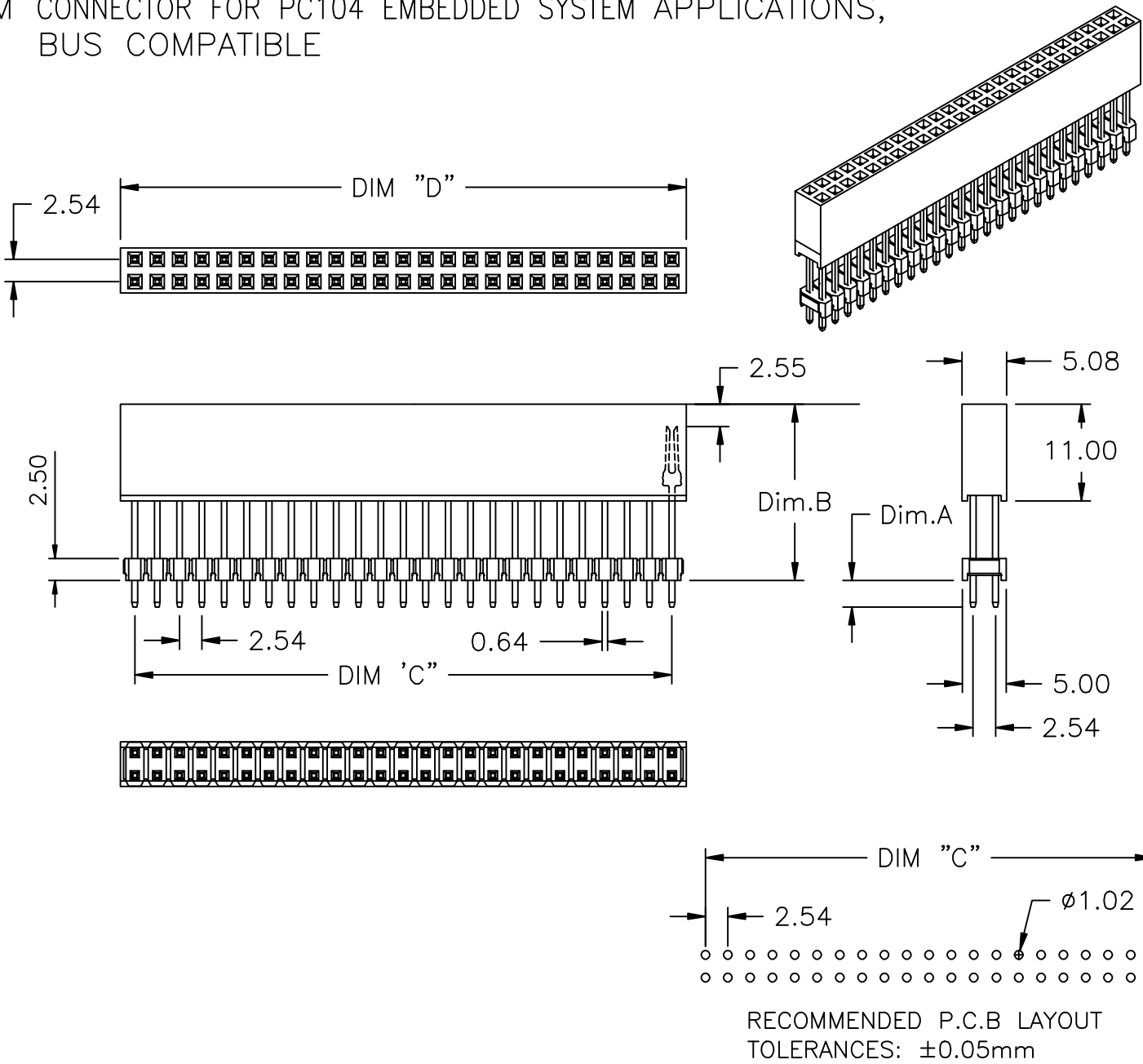


3M™ CONNECTOR FOR PC104 EMBEDDED SYSTEM APPLICATIONS,  
BUS COMPATIBLE



- NOTES:
- MATERIAL:  
CONTACT MATERIAL: PHOSPHOR BRONZE  
INSULATOR MATERIAL: POLYESTER NYLON-6T  
UL 94V-0
  - 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
  - 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

TYPE	PART NO.	DIM "A"	DIM "B"	DIM "C"	DIM "D"	MIN STANDOFF	MAX STANDOFF
40-PIN NON-STACK-THRU SOLDER	4P01-2E02-XX	3.00	20.00	48.26	51.50	24.0	
40-PIN NON-STACK-THRU SOLDER	4P01-2F02-XX	3.10	17.40	48.26	51.50	21.4	
40-PIN NON-STACK-THRU SOLDER	4P01-2G02-XX	3.85	17.40	48.26	51.50	21.4	
40-PIN STACK-THRU SOLDER	4P01-2H02-XX	6.85	19.07	48.26	51.50	19.3	21.9
64-PIN NON-STACK-THRU SOLDER	4P02-2E02-XX	3.00	20.00	78.74	81.98	24.0	
64-PIN NON-STACK-THRU SOLDER	4P02-2F02-XX	3.10	17.40	78.74	81.98	21.4	
64-PIN NON-STACK-THRU SOLDER	4P02-2G02-XX	3.85	17.40	78.74	81.98	21.4	
64-PIN STACK-THRU SOLDER	4P02-2H02-XX	6.85	19.07	78.74	81.98	19.3	21.9

-XX IS PLATING TYPE

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DISTRIBUTION CODES		DRFT	MWL	DATE 02/02/11	MFG	DATE
	ECO	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				
THIRD ANGLE PROJECTION		INCHES 0 ± .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	DRAWING NO.	REV.	
			C	78-5100-2394-4	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

STANDOFF HEIGHT:

BODY  
HEIGHT:  
E=20.0  
F=17.4  
G=17.4  
H=19.1

TAIL  
LENGTH:  
3.0  
3.1  
3.9  
6.9

[MIN-MAX]mm  
[24.0-]  
[21.4-]  
[21.4-]  
[19.3-21.9]

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

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		<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>INCHES .0 .00 .000 .0000</div>		<div>4P0X-2X02-XX, PC104, BUS COMPATIBLE, CONNECTORS</div>			
THIRD ANGLE PROJECTION				<div>MILLIMETERS 0 .0 .00 .000</div>					
INTERPRET PER ASME Y14.5 - 1994									
MAX SURFACE ROUGHNESS <input type="checkbox"/> ALL SURFACES <input checked="" type="checkbox"/> MARKED ONLY						CAGE NUMBER	SIZE	DRAWING NO.	REV.
							C	78-5100-2394-4	A
				MODEL		DET.		SHT 2 OF 2	
						LISTS		YES NO	

# Mouser Electronics

Authorized Distributor

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3M:

[4P02-2G02-DA](#) [4P01-2F02-DA](#) [4P02-2F02-DA](#) [4P02-2E02-DA](#) [4P02-2H02-DA](#)