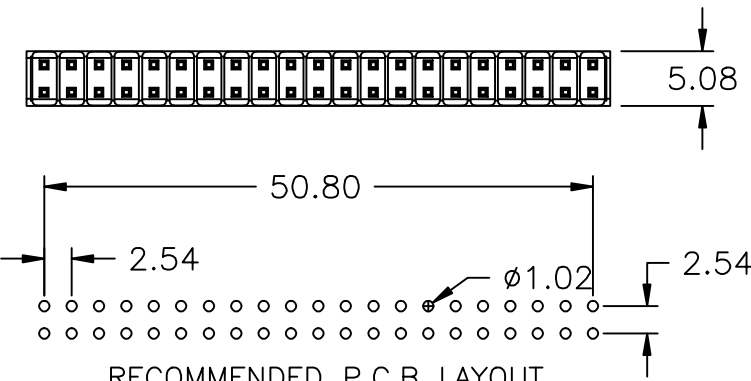
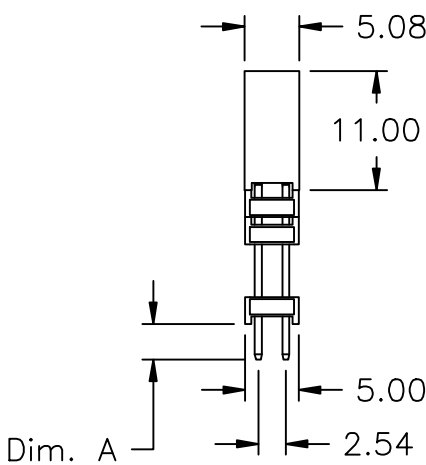
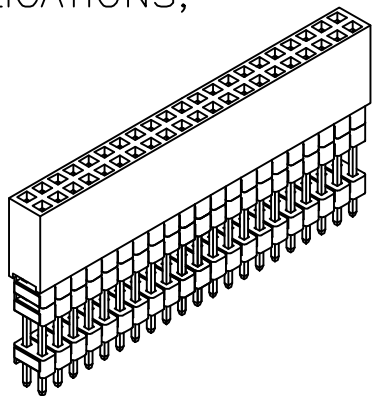
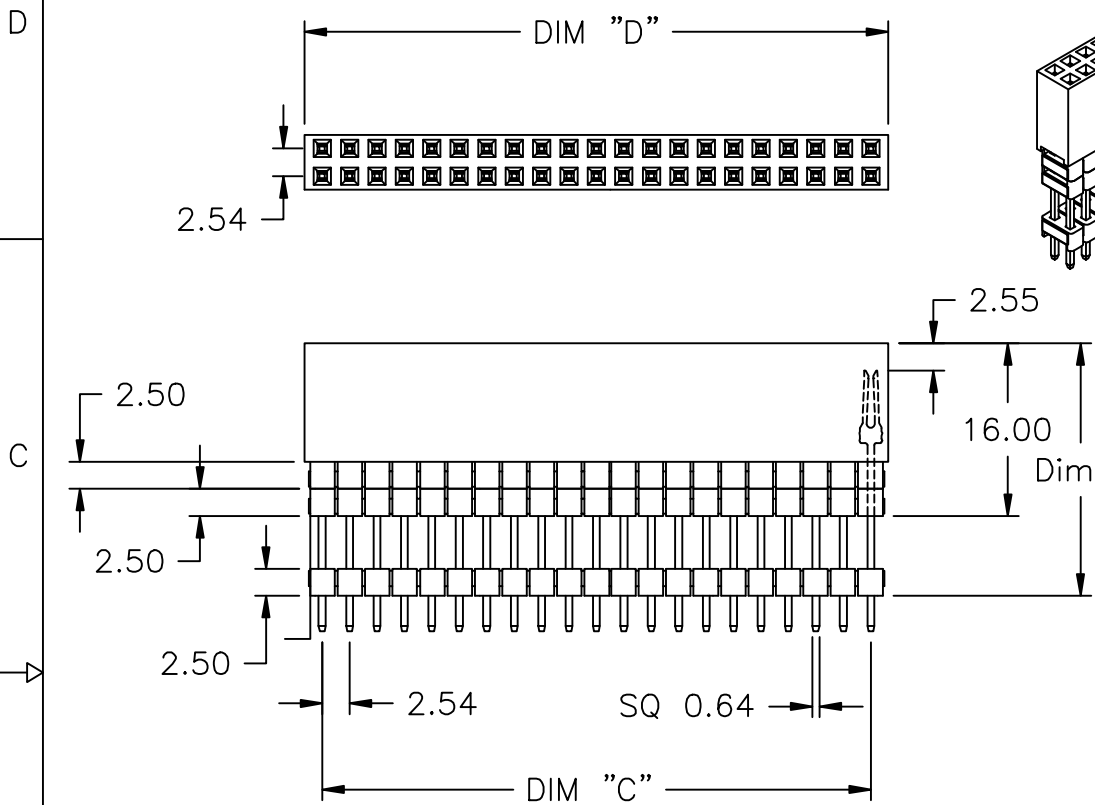


3M™ CONNECTOR FOR PC104 EMBEDDED SYSTEM APPLICATIONS,  
BUS COMPATIBLE



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

- NOTES:
1. MATERIAL:  
CONTACT MATERIAL: PHOSPHOR BRONZE  
INSULATOR MATERIAL: POLYESTER NYLON-6T  
UL 94V-0
  2. PLATING:  $\mu\text{m}[\mu\text{m}]$   
-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 +85°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 "B"	DIM "C"	DIM "D"	MIN STANDOFF
40-PIN NON-STACK-THRU SOLDER	4P01-2L02-XX	3.30	23.40	48.26	51.50	27.4
64-PIN NON-STACK-THRU SOLDER	4P02-2L02-XX	3.30	23.40	78.74	81.98	27.4

-XX IS PLATING TYPE

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DISTRIBUTION CODES		DATE	02/02/11	MFG	DATE	
		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				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 1994	INCHES .0 ± .00 .00 ± .000 .000 ± .0000				
MAX SURFACE ROUGHNESS □ ALL SURFACES ✓ □ MARKED ONLY	MAX SURFACE ROUGHNESS 0 ± .3 .00 ± .20 .000 ± .000	MILLIMETERS 0 ± .3 .00 ± .20 .000 ± .000				
ANGLES ±		TITLE 4P0X-2L02-XX, PC104, BUS COMPATIBLE, CONNECTORS				
CAGE NUMBER		SIZE	DRAWING NO.	REV.		
MODEL		DET.	78-5100-2395-1	A		
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:  $\mu\text{M}[\mu"]$   
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)

BODY  
HEIGHT:  
L=23.4

TAIL  
LENGTH:  
3.3

STANDOFF HEIGHT:  
[MIN-MAX]mm  
[27.4-]

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		<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					
				INCHES .0 ± .00 ± .000 ± .0000 ±					
THIRD ANGLE PROJECTION				MILLIMETERS 0 ± .0 ±.3 .00 ±.20 .000 ±					
INTERPRET PER ASME Y14.5 - 1994				TITLE 4P0X-2L02-XX, PC104, BUS COMPATIBLE, CONNECTORS					
MAX SURFACE ROUGHNESS <input type="checkbox"/> ALL SURFACES <input checked="" type="checkbox"/> MARKED ONLY				CAGE NUMBER	SIZE	DRAWING NO.		REV.	
				MODEL		78-5100-2395-1		A	
				DET. LISTS		YES NO		SHT 2 OF 2	

# Mouser Electronics

Authorized Distributor

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

3M:

4P01-2L02-DA