

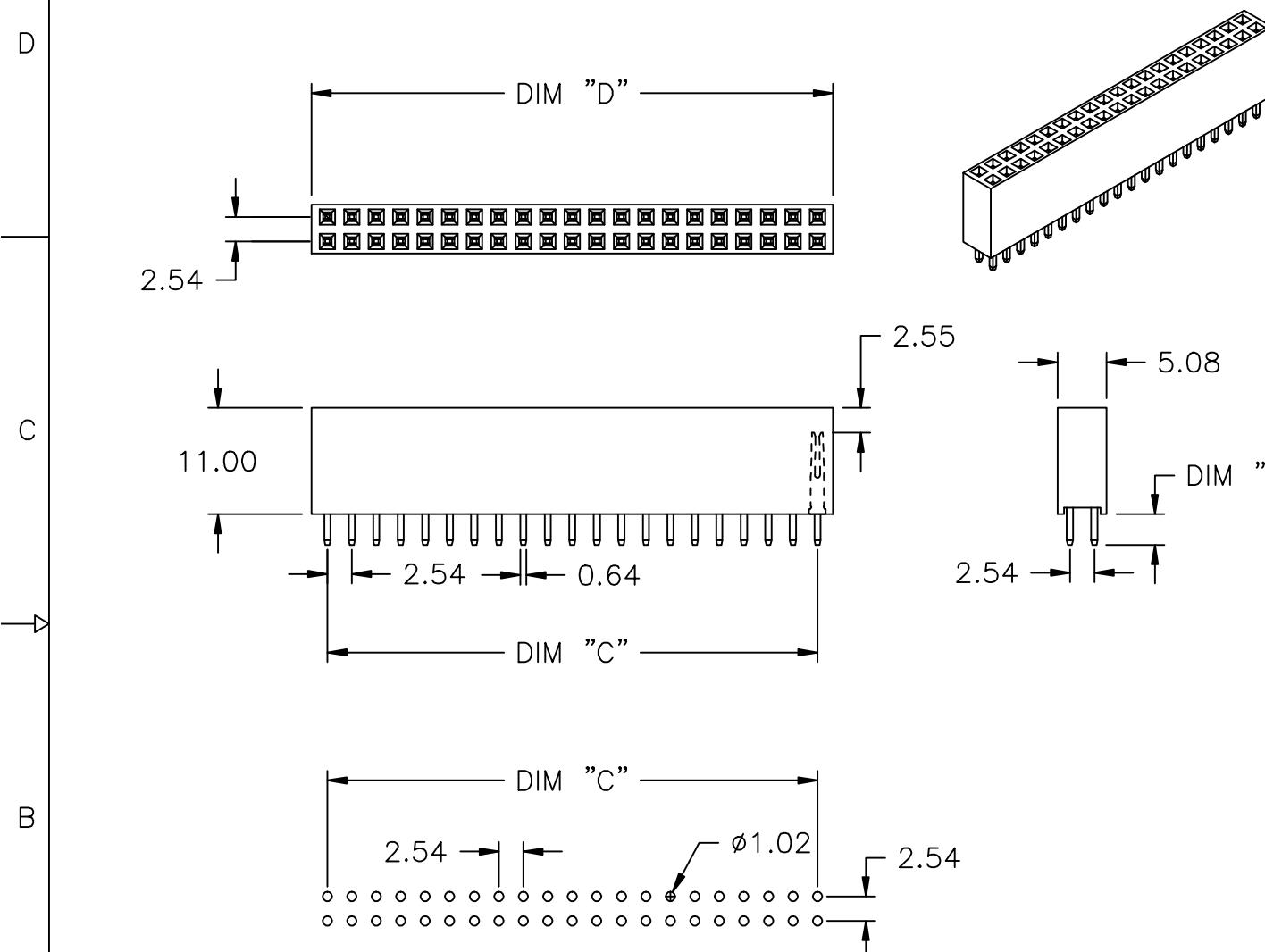
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3MTM CONNECTOR FOR PC104 EMBEDDED SYSTEM APPLICATIONS,
COMPLIANT AND BUS COMPATIBLE



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:

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
2.54100 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

DESIGN REFERENCE DISTRIBUTION CODES	NEXT ASSEMBLY ECO	ISSUE DATE AND DESCRIPTION				DRFT	CHKD
		REV	ECO	DATE	MFG		
4P0X-2X02-XX	TS	02/02/11		02/02/11	APPV		
3M Center St. Paul, MN 55144							
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TITLE: 4P0X-2X02-XX, PC104, COMPLIANT, CONNECTORS							
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED	INCHES	MILLIMETERS	ANGLE	REV.	
			.0	0			
			.00	0			
			.000	0			
			.0000	0			
THIRD ANGLE PROJECTION							
INTERPRET PER ASME Y14.5 - 1994							
MAX SURFACE ROUGHNESS							
CAGE NUMBER SIZE DRAWING NO. 78-5100-2392-8 A							
MODEL DET. LISTS YES NO SHT 1 OF 2							

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3MTM 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

BODY HEIGHT: A=11.0	TAIL LENGTH: 3.2	STANDOFF HEIGHT: [MIN-MAX]mm [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]

PLATING OPTIONS: $\mu\text{M}[\mu\text{m}]$

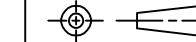
DA = 0.08[3] MIN Au ALL OVER
1.27[50] MIN Ni ALL OVER

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 LENGTH, > 4.3mm = STACK-THRU
< 4.2mm = NON-STACK-THRU

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

Mouser Electronics

Authorized Distributor

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

[3M](#):

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