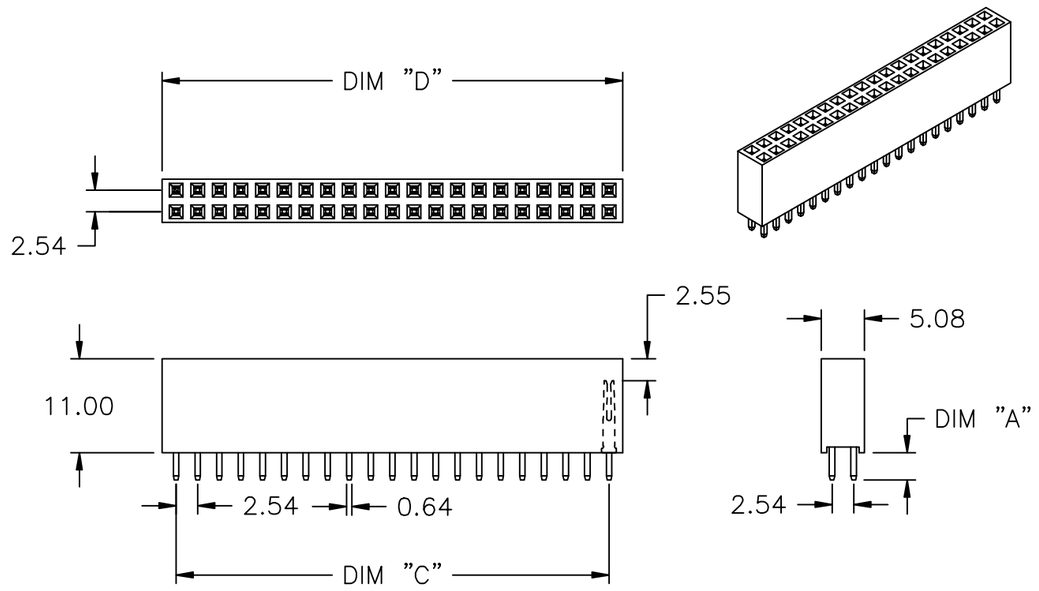
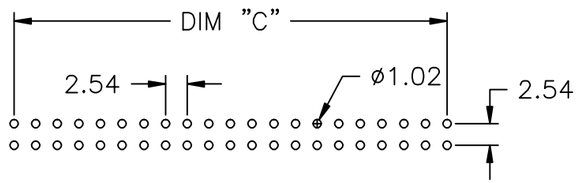
3M™ CONNECTOR FOR PC104 EMBEDDED SYSTEM APPLICATIONS, COMPLIANT AND BUS COMPATIBLE





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:
1. MATERIAL:
   CONTACT MATERIAL: PHOSPHOR BRONZE
   INSULATOR MATERIAL: POLYESTER NYLON-6T
   UL 94V-0
2. PLATING: µM[µ"]
   -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 | NEXT ASSEMBLY
DISTRIBUTION CODES | ECO
DIVISION | DIVISION CODE
DO NOT SCALE DRAWING | SCALE
TOLERANCES EXCEPT AS NOTED
INCHES .0 ± .00 ± .000 ± .0000 ±
THIRD ANGLE PROJECTION
INTERPRET PER ASME Y14.5 - 1994
MILLIMETERS .0 ± .00 ± .000 ± ANGLES ±
MAX SURFACE ROUGHNESS ☐ ALL SURFACES ☐ MARKED ONLY

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	MWL	DATE 02/02/11	MFG	DATE
CHKD	TS	DATE 02/02/11	APPVL	DATE

3M Center St. Paul, MN 55144

TITLE: 4P0X-2X02-XX, PC104, COMPLIANT, CONNECTORS

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

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

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	MWL	DATE 02/02/11	MFG	DATE
CHKD	TS	DATE 02/02/11	APPVL	DATE

3M Center, St. Paul, MN 55144

DESIGN REFERENCE | NEXT ASSEMBLY | ECO | DIVISION | DIVISION CODE
DO NOT SCALE DRAWING | SCALE
TOLERANCES EXCEPT AS NOTED
INCHES .0 ± .00 ± .000 ± .0000 ±
MILLIMETERS 0 ± .0 ± .3 .00 ± .20 .000 ±
ANGLES ±
THIRD ANGLE PROJECTION
INTERPRET PER ASME Y14.5 – 1994
MAX SURFACE ROUGHNESS ☐ ALL SURFACES ✓ ☐ MARKED ONLY

TITLE: 4P0X–2X02–XX, PC104, COMPLIANT, CONNECTORS

CAGE NUMBER	SIZE	DRAWING NO.	REV.
	C	78–5100–2392–8	A

MODEL | DET. LISTS YES NO | SHT 2 OF 2