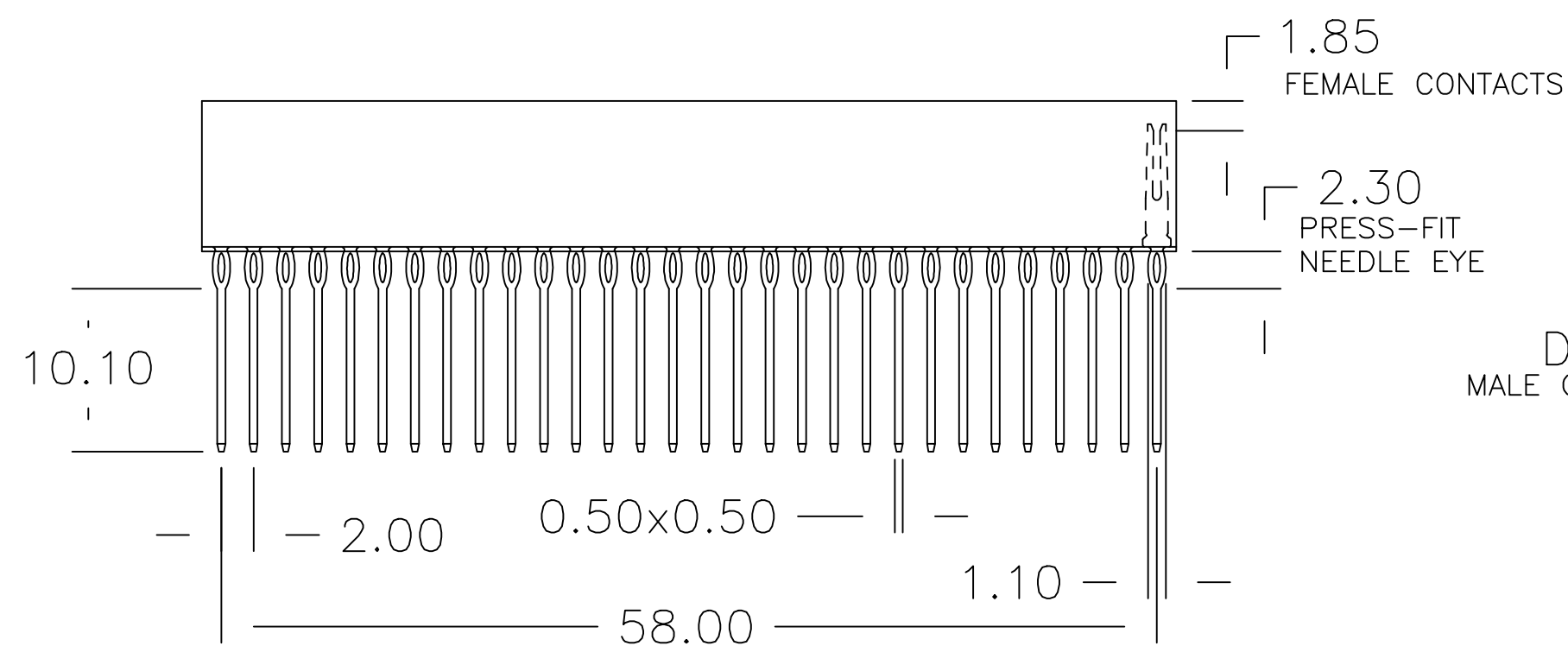
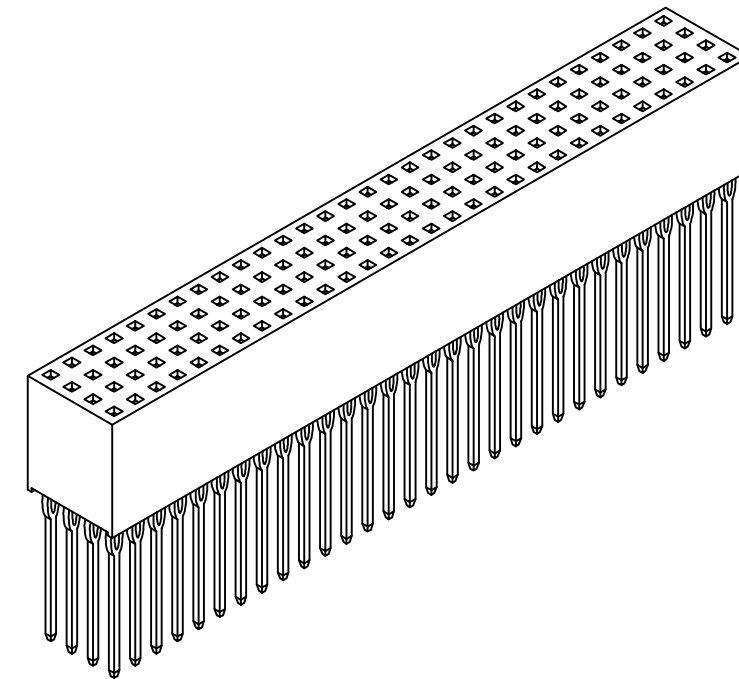
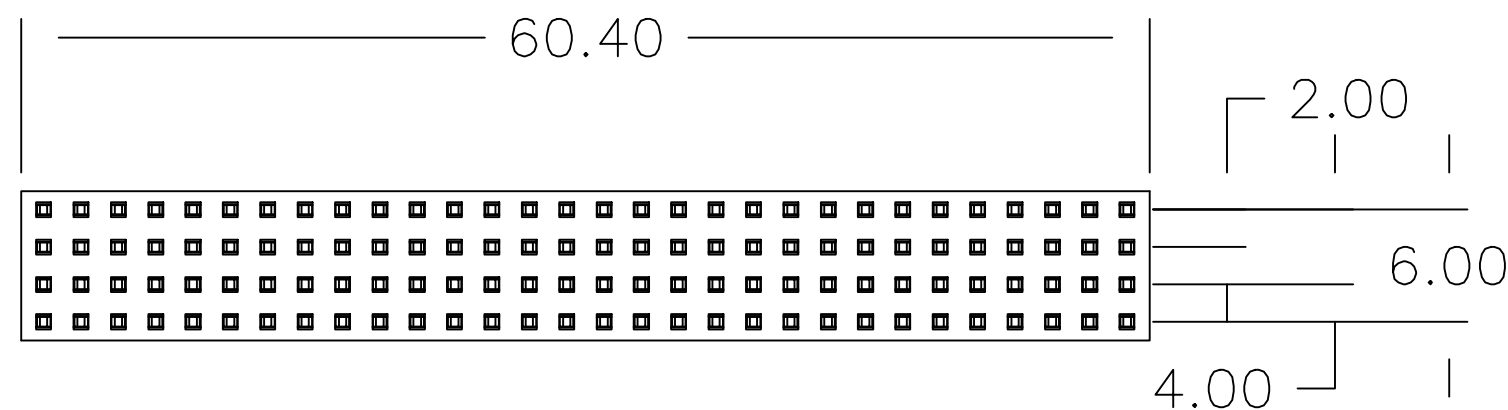
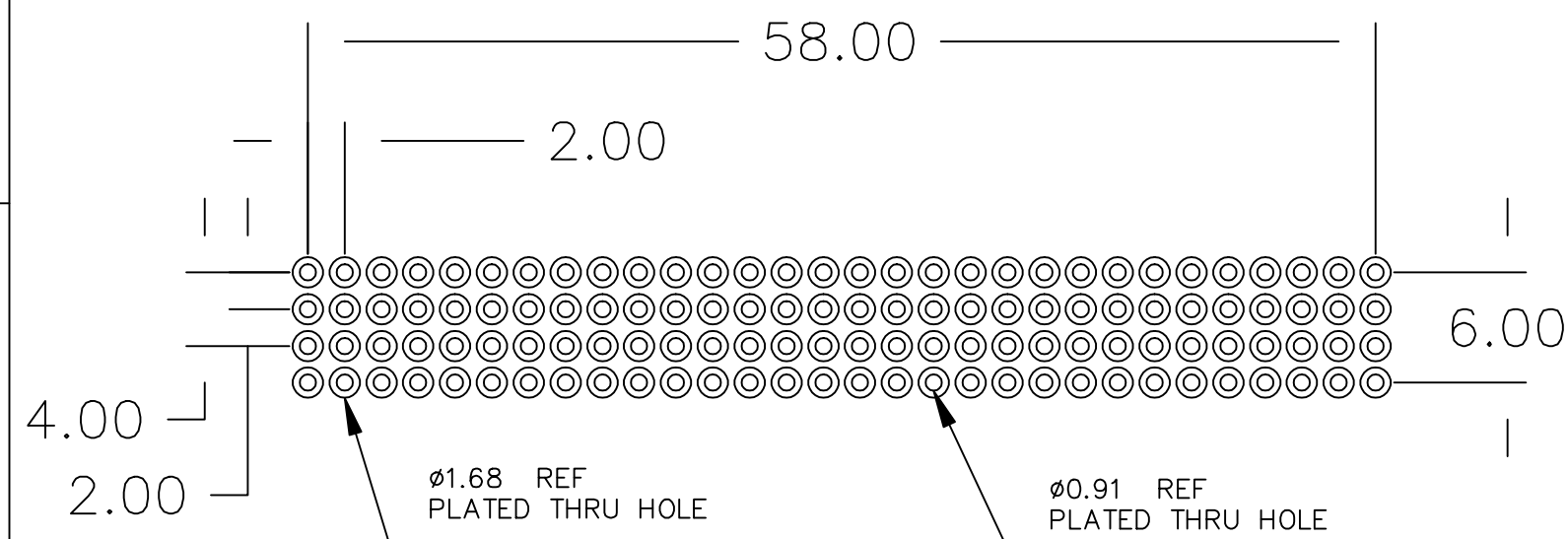
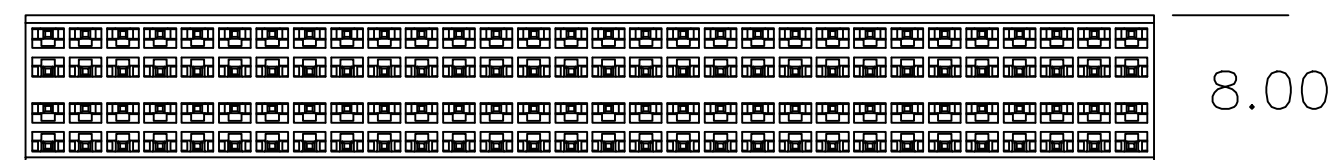
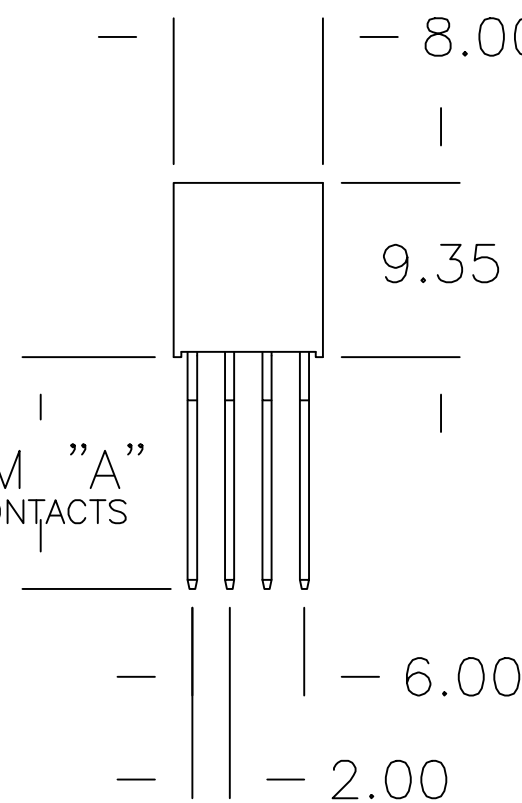


3M™ CONNECTOR FOR PC104 PLUS EMBEDDED SYSTEM APPLICATIONS, COMPLIANT



DIM "A"
MALE CONTACTS



RECOMMENDED P.C.B LAYOUT
TOLERANCES: $\pm 0.05\text{mm}$

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: 2 AMPS
INSULATOR RESISTANCE: 5000 MEGA OHMS MIN
CONTACT RESISTANCE: 20 MILLIOHMS MAX
DIELECTRIC WITHSTAND: 500 VAC
OPERATING TEMPERATURE: -40°C TO $+105^{\circ}\text{C}$
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:

TYPE	PART NO.	DIM "A"	MIN STANDOFF	MAX STANDOFF
STACK-THRU PRESS-FIT	5P03-2021-XX	12.40	14.5	18.4
NON-STACK-THRU SOLDER	5P03-2012-XX	2.80	9.5	
NON-STACK-THRU PRESS-FIT	5P03-2011-XX	2.80	9.5	

-XX IS PLATING TYPE

DESIGN REFERENCE		NEXT ASSEMBLY		B	33766	REMOVE 5P03-20022-XX FROM TABLE		MWL	TS
REV	ECO	DATE	ISSUE DATE AND DESCRIPTION	DRFT	DATE	MFG	DATE	CHKD	
DRFT	MWL	02/02/11		TS	02/02/11	APPVL	DATE		
DIVISION		DIVISION CODE		3M Center St. Paul, MN 55144					
DO NOT SCALE DRAWING		SCALE		TOLERANCES EXCEPT AS NOTED		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		INTERPRET PER ASME Y14.5 - 1994		INCHES 0 ± .00 ± .000 ± .0000 ±		TITLE 5P03-20XX-XX PC104 PLUS COMPLIANT, 120-PIN, CONNECTOR			
MAX SURFACE ROUGHNESS □ ALL SURFACES ✓ MARKED ONLY		MILLIMETERS 0 ± .0 ±.3 .00 ±.20 .000 ±		CAGE NUMBER C		DRAWING NO. 78-5100-2391-0		REV. B	
		ANGLES ±		MODEL		DET. LISTS		YES NO SHT 1 OF 2	

3M™ CONNECTOR FOR PC104 PLUS EMBEDDED SYSTEM
APPLICATIONS, COMPLIANT

PC104 PLUS CONNECTOR ORDERING GUIDE

5P 0 X - 2 0 X X - XX

PRODUCT FAMILY:
PC104 PLUS

No. CONTACTS:
3=120

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:
1=9.4
2=9.4

TAIL
LENGTH:
2.8
12.40

STANDOFF HEIGHT:
[MIN-MAX]mm
[9.5-]
[14.5-18.4]

TAIL TYPE:
1=PRESS-FIT
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		B	33766	REMOVE 5P03-20022-XX FROM TABLE		MWL	TS
DISTRIBUTION CODES				REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
				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			
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THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 1994		INCHES .0 ± .00 ± .000 ± .0000 ±		TITLE 5P03-20XX-XX PC104 PLUS COMPLIANT, 120-PIN, CONNECTOR			
MAX SURFACE ROUGHNESS □ ALL SURFACES ✓ □ MARKED ONLY		MILLIMETERS 0 ± .0 ±.3 .00 ±.20 .000 ±		CAGE NUMBER		SIZE		DRAWING NO.	
		ANGLES ±		MODEL		78-5100-2391-0		REV. B	
						DET. LISTS		YES NO SHT 2 OF 2	

Mouser Electronics

Authorized Distributor

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

3M:

[5P03-2021-DA](#)