

3M™ LINK CONNECTOR, 2.54mm[.100"] BOARDMOUNT, STRAIGHT AND RIGHT ANGLE, 382 SERIES

- Notes:
- 1) Material:
Body: PBT, UL94V-0
Contacts: Copper Alloy
 - 2) Plating:
2.54 μ " Nickel underplate
0.2 μ "min. Gold with Lubricant in wiping area
Flash Gold on solder tails
 - 3) Marking:
3M Logo, Part Number, Position Identification'
Insulator Material
 - 4) Mating Compatibility: 381 SERIES
 - 5) Regulatory:
UL File No.: E68080
 - RoHS Compliant:
See the Regulatory Information Appendix (RIA) in the "RoHS Compliance" section of www.3MConnector.com for compliance information. (RIA E1 & C1 apply).
 - 6) Reference Related Documents:
Product Specification:
3M Doc. ID# 78-5102-0091-4
Tooling and Installation Instructions:
3M Doc. ID# 78-9101-5361-4

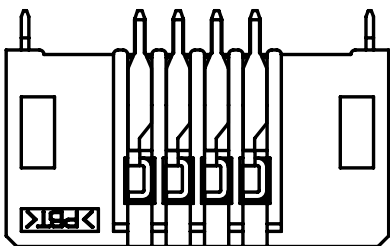
Performance:

Current Rating:	5.0A
Voltage Rating:	160V
Insulation Resistance:	> 1 x 10 ⁹ Ohms at 500 VDC
Withstanding Voltage:	1000VACrms at sea level
Operating Temperature:	-20°C to +70°C
Processing Temperature:	260°C max. for wave solder reflow 390°C max. for soldering iron
Lead-Free Solderable:	Yes
Moisture Sensitivity Level:	NA-Wave Solder Only
UL Temperature Rating	+65°C

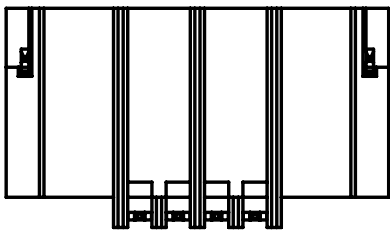
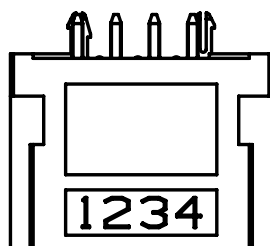
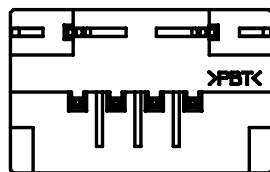
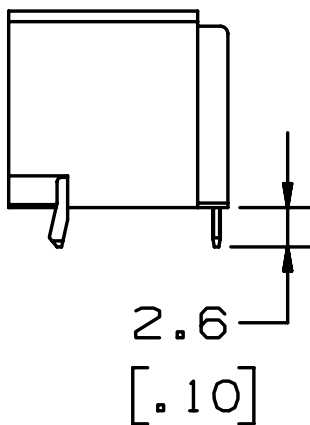
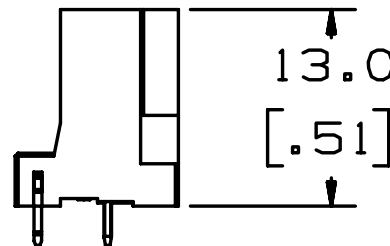
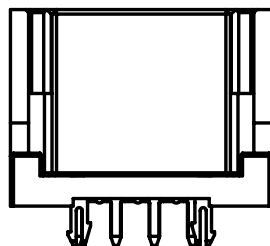
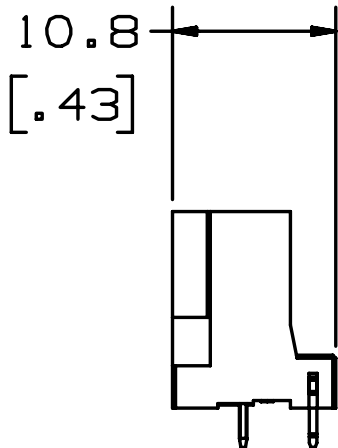
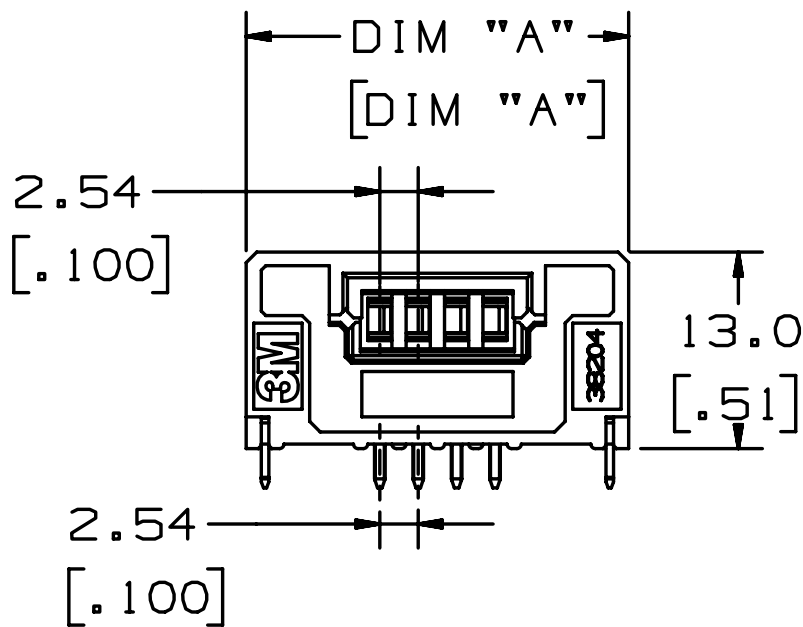
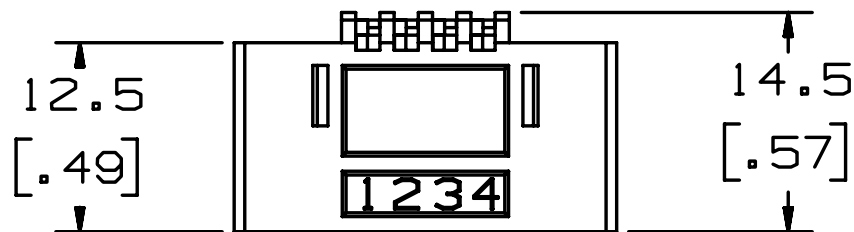
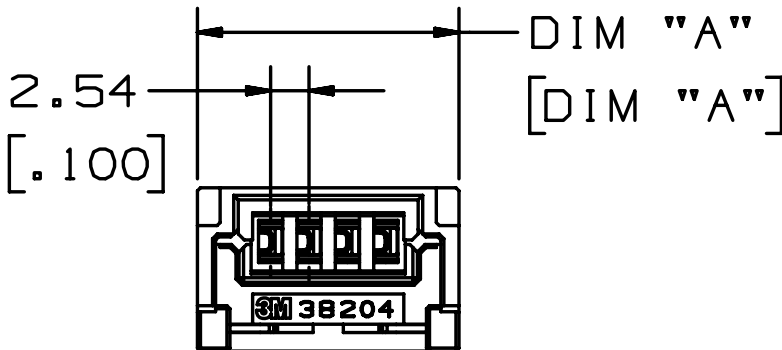
D	36079	SEP 07, 2011	MWL	SAN
CONVERT TO NEW ENG. FORMAT, ADD 2 POSITION PART				
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	MWL	DATE AUG 30, 2011	MFG	DATE
CHKD		DATE	APPVL	DATE
3M 3M Center St. Paul, MN 55144				
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TITLE 2.54mm[.100"] LINK BOARDMOUNT, ST AND RA 382 SERIES				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
	C	78-5100-2099-9	D	
MODEL	DET. LISTS ☐ YES ☒ NO SHT 1 OF 3			

DESIGN REFERENCE	NEXT ASSEMBLY
DISTRIBUTION CODES	
DIVISION Interconnect Solutions	DIVISION CODE ISD
DO NOT SCALE DRAWING	SCALE 4 1
THIRD ANGLE PROJECTION	TOLERANCES EXCEPT AS NOTED
INTERPRET PER ASME Y14.5 - 1994	INCHES .0 ± .00 .000 ± .0000 ±
MAX SURFACE ROUGHNESS 125 ☒ ALL SURFACES ☐ MARKED ONLY	MILLIMETERS 0 ± .3 .00 ± .13 .000 ±
	ANGLES ±1°

RIGHT ANGLE



STRAIGHT



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PART ORDERING INFORMATION

3820X-X2S3-X0X PL (RIA E1 & C1 APPLY)

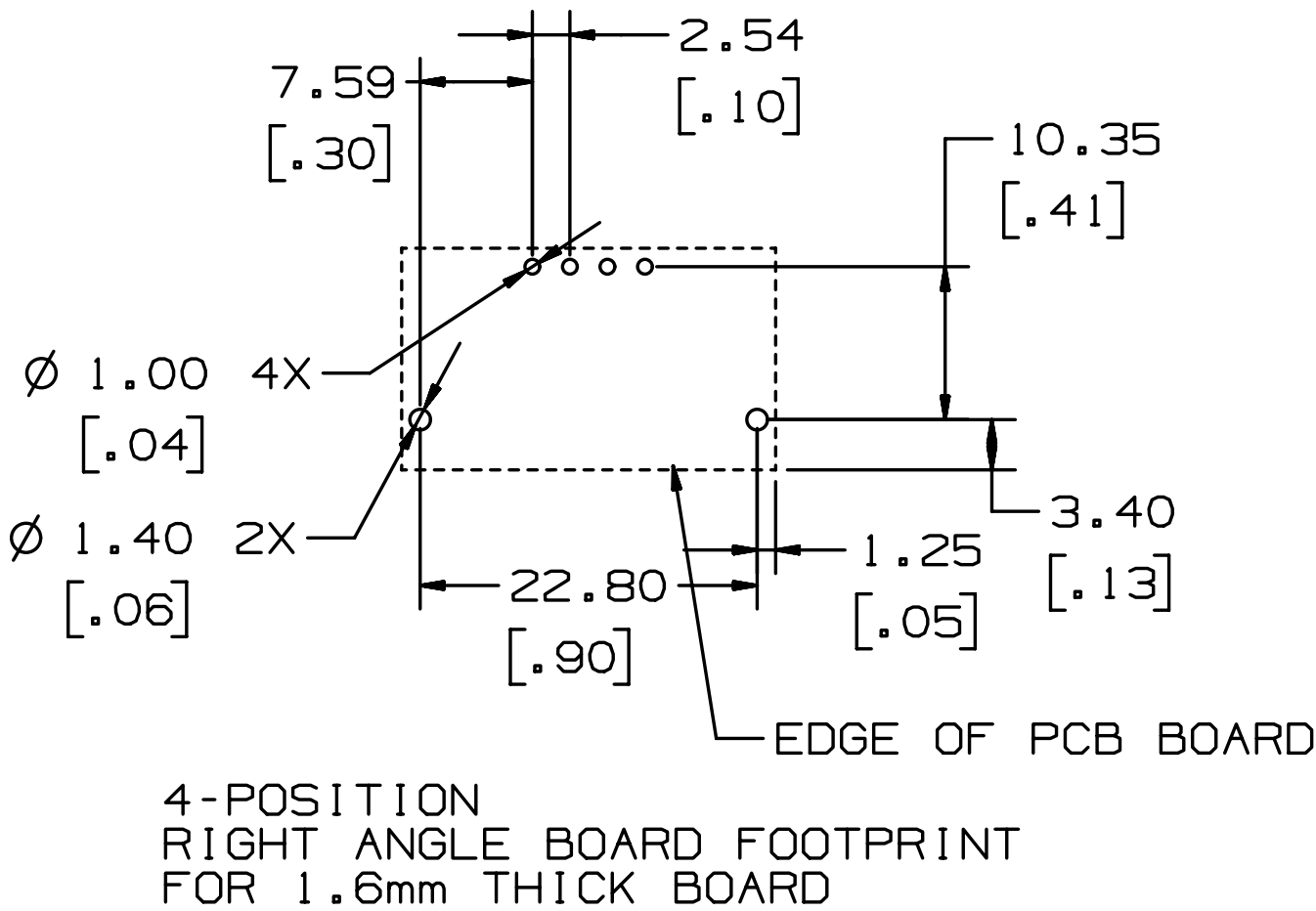
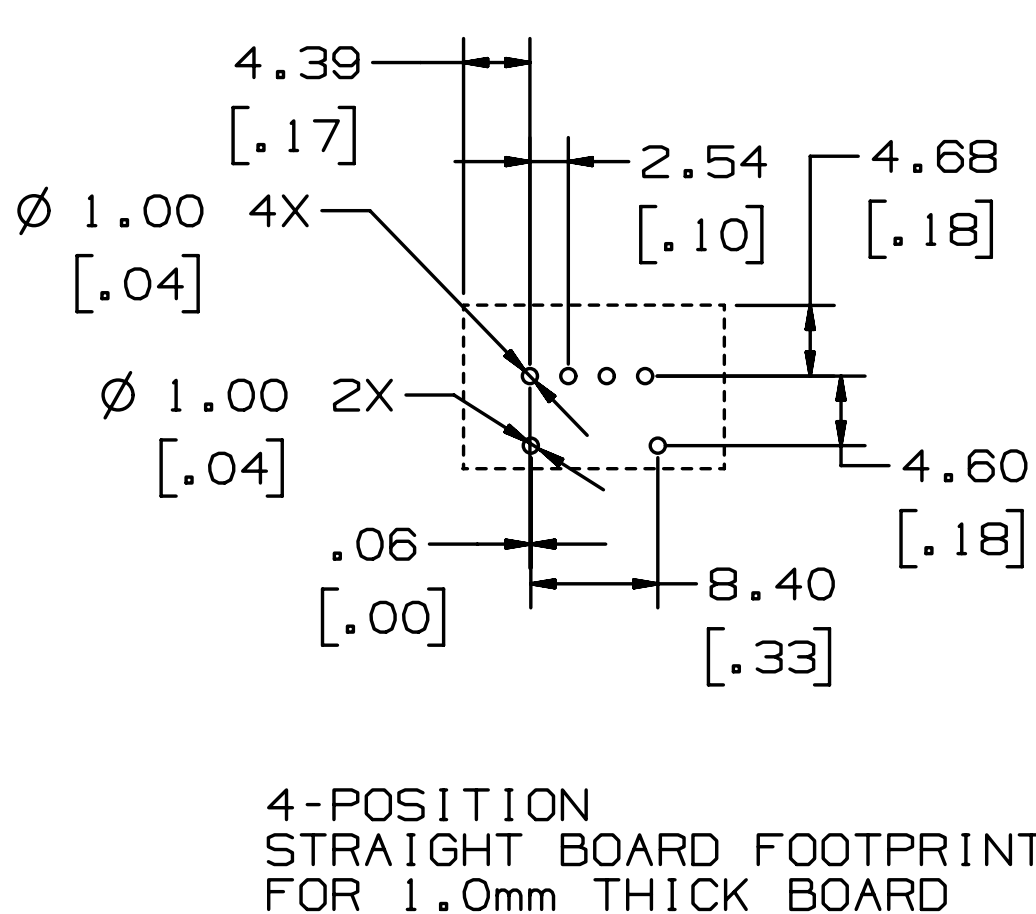
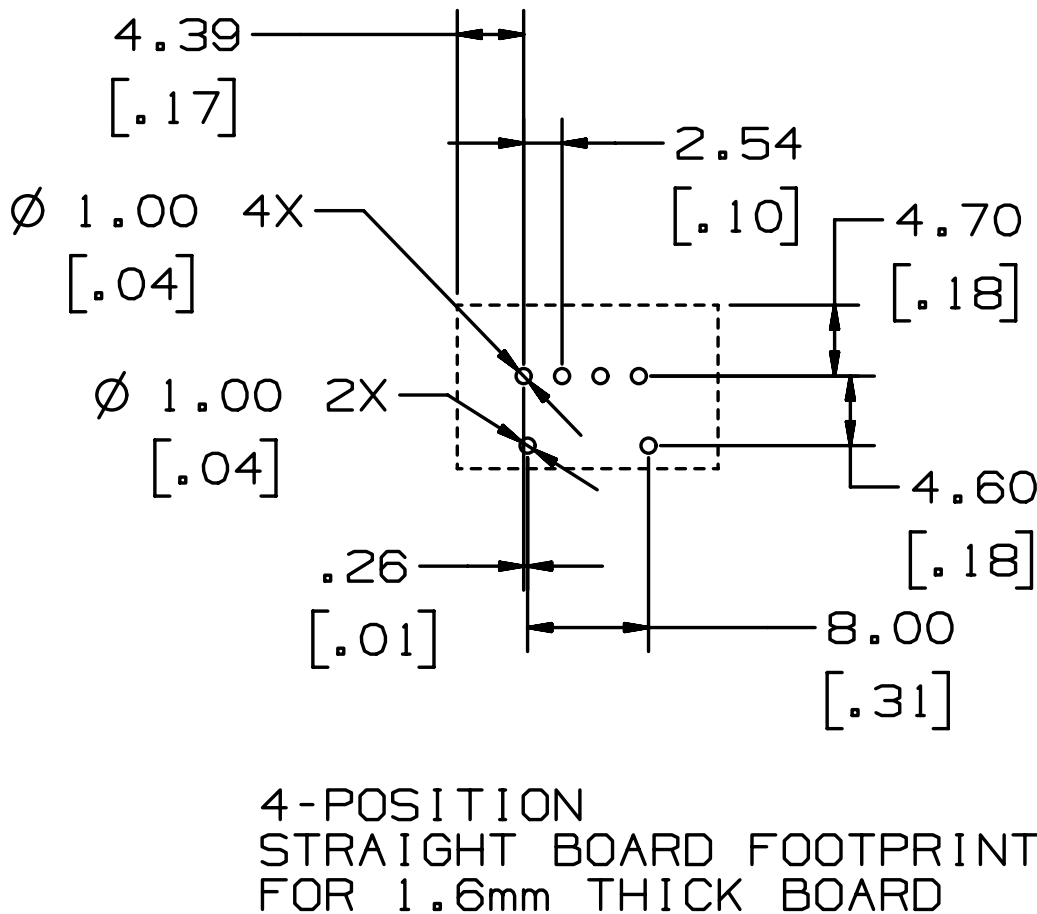
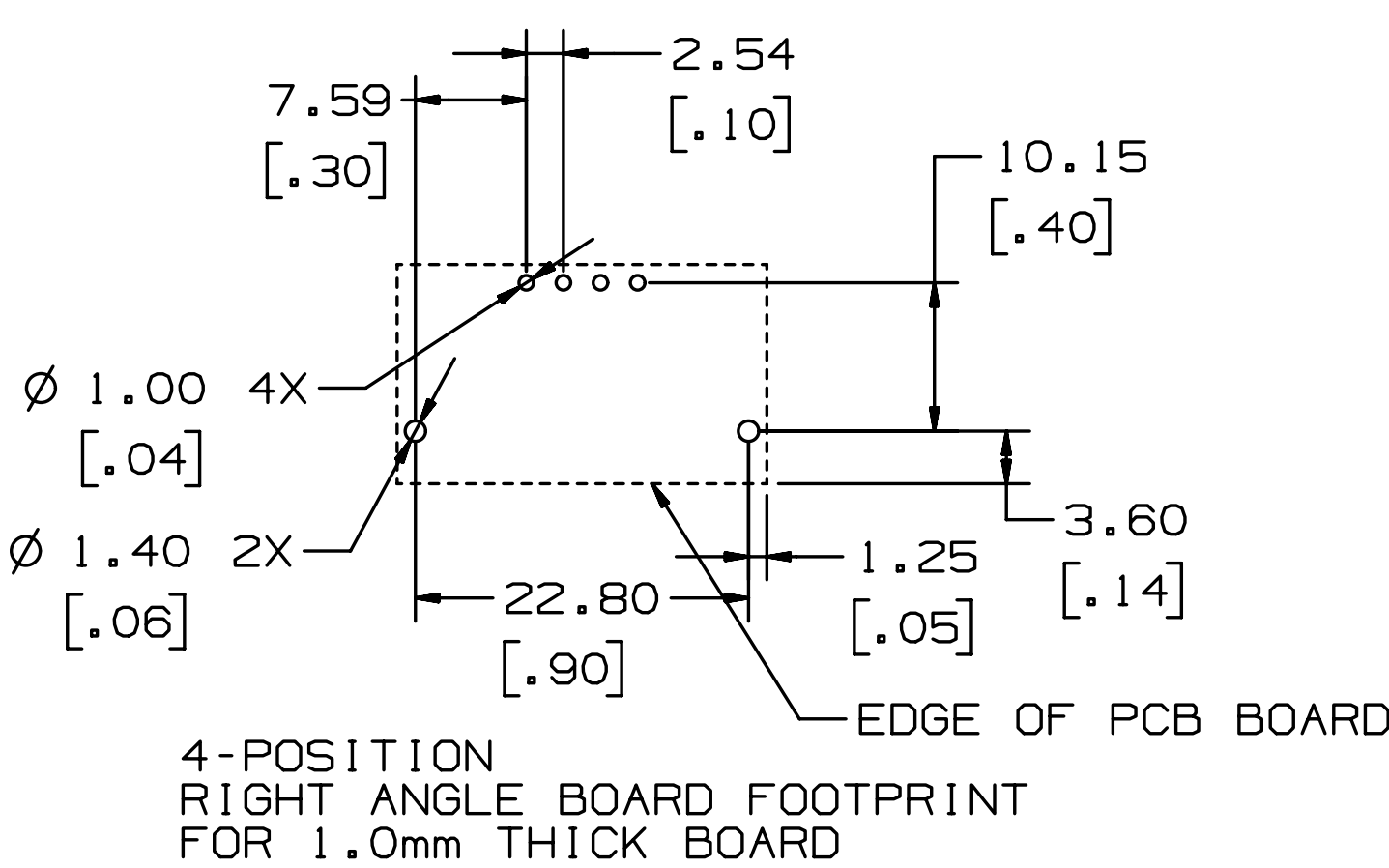
NUMBER OF POSITIONS:
2 = 2 POSITION
4 = 4 POSITION

MOUNTING STYLE:
5 = RIGHT ANGLE
6 = STRAIGHT

COLOR
0 = BLACK
M = BLUE

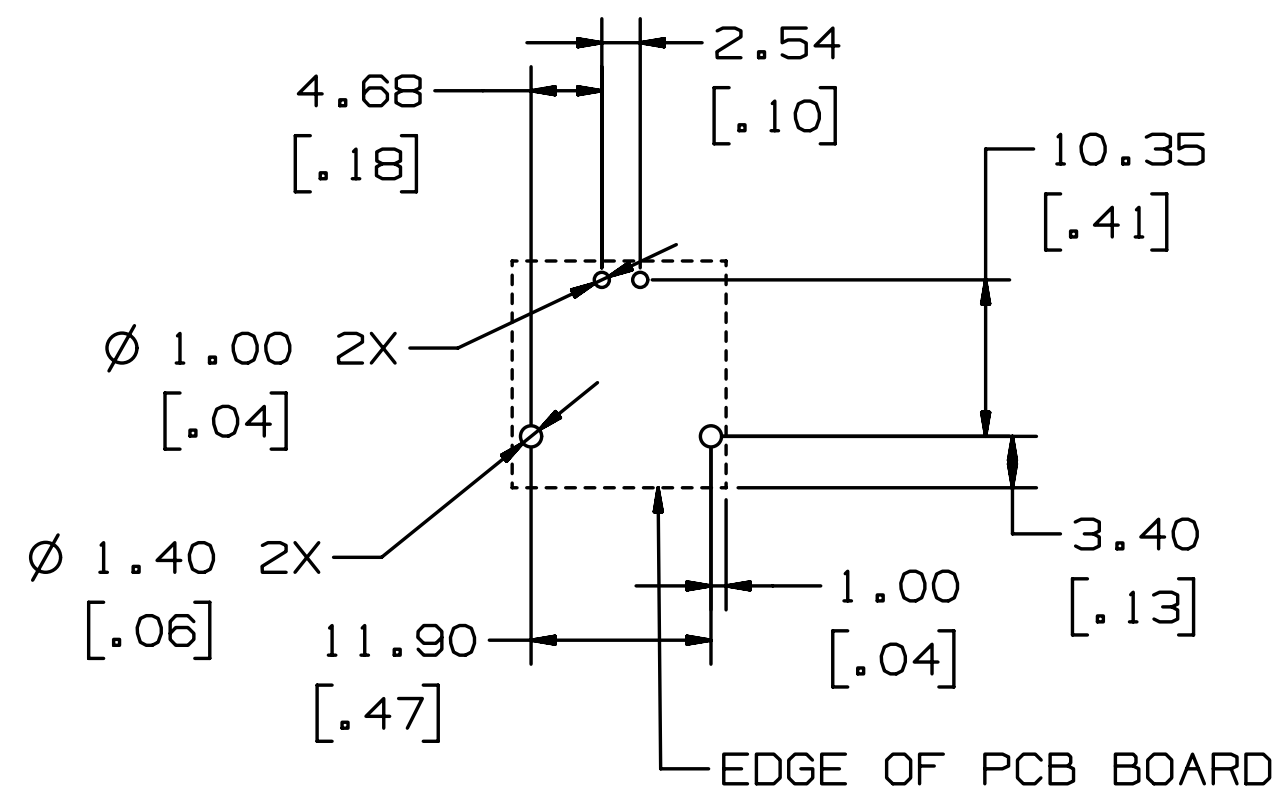
MARKING
0 = 3M
M = CC-Link/LT

AVAILABLE PRODUCTS				
PART NUMBERT	DIM "A"	STYLE	COLOR	MARKING
38204-52S3-000 PL	25.3	RIGHT ANGLE	BLACK	3M
38204-52S3-MOM PL	25.3	RIGHT ANGLE	BLUE	CC-Link/LT
38204-62S3-000 PL	17.3	STRAIGHT	BLACK	3M
38204-62S3-MOM PL	17.3	STRAIGHT	BLUE	CC-Link/LT
38202-52S3-000 PL	13.9	RIGHT ANGLE	BLACK	3M
38202-62S3-000 PL	13.9	STRAIGHT	BLACK	3M

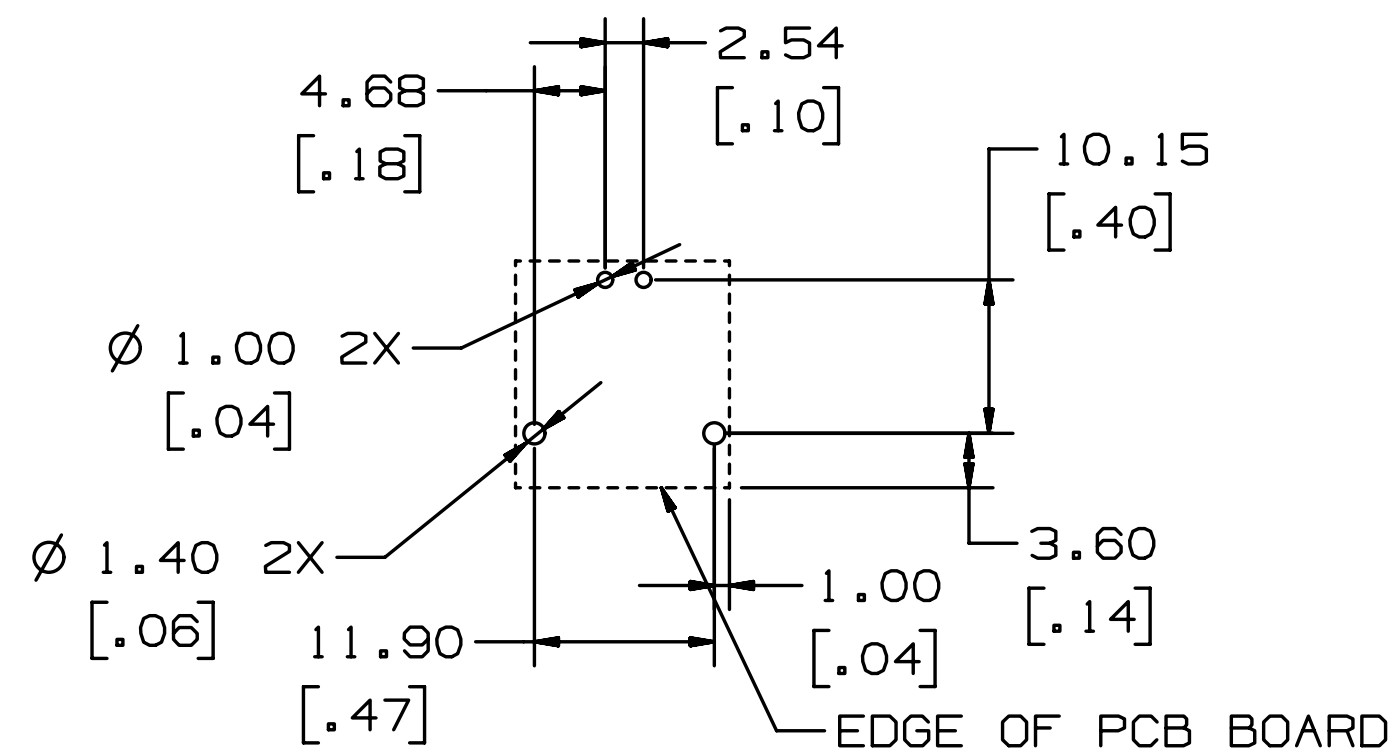


DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DISTRIBUTION CODES				DRFT	MWL	DATE AUG 30, 2011		DATE	
DIVISION Interconnect Solutions		DIVISION CODE ISD		CHKD		DATE		DATE	
DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED		3M 3M Center St. Paul, MN 55144			
THIRD ANGLE PROJECTION		INCHES .00 ± .000 ± .0000 ±		TITLE 2.54mm[.100"] LINK BOARDMOUNT, ST AND RA 382 SERIES					
INTERPRET PER ASME Y14.5 - 1994		MILLIMETERS 0 ± .00 ± .000 ±		CAGE NUMBER C78-5100-2099-9					
MAX SURFACE ROUGHNESS 125 ✓ ALL SURFACES MARKED ONLY		ANGLES ±1°		REV. D					
				MODEL DET. LISTS YES NO SHT 2 OF 3					

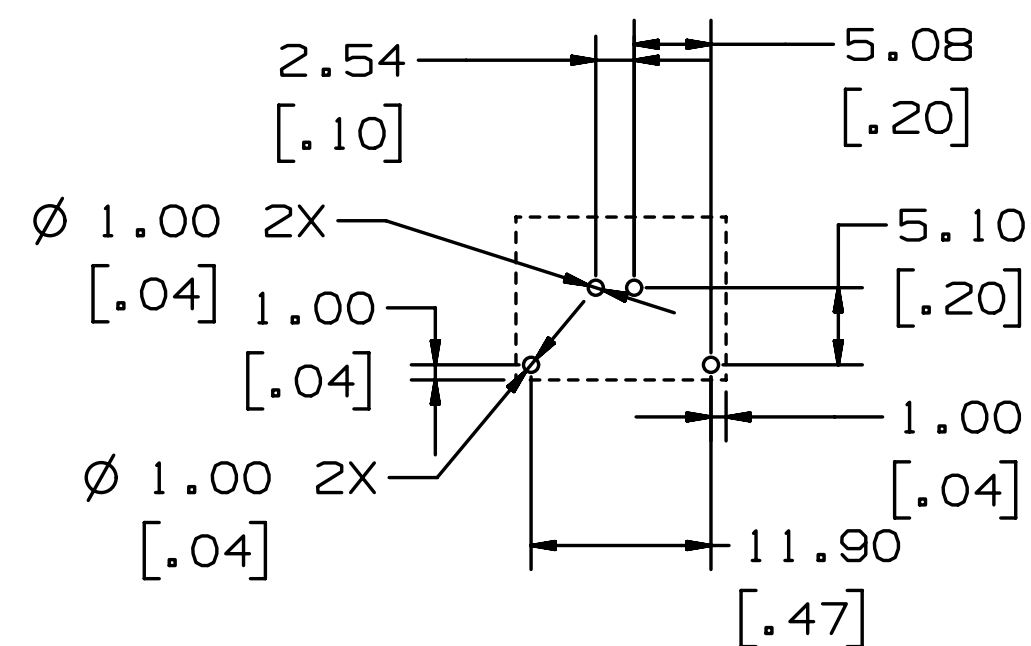
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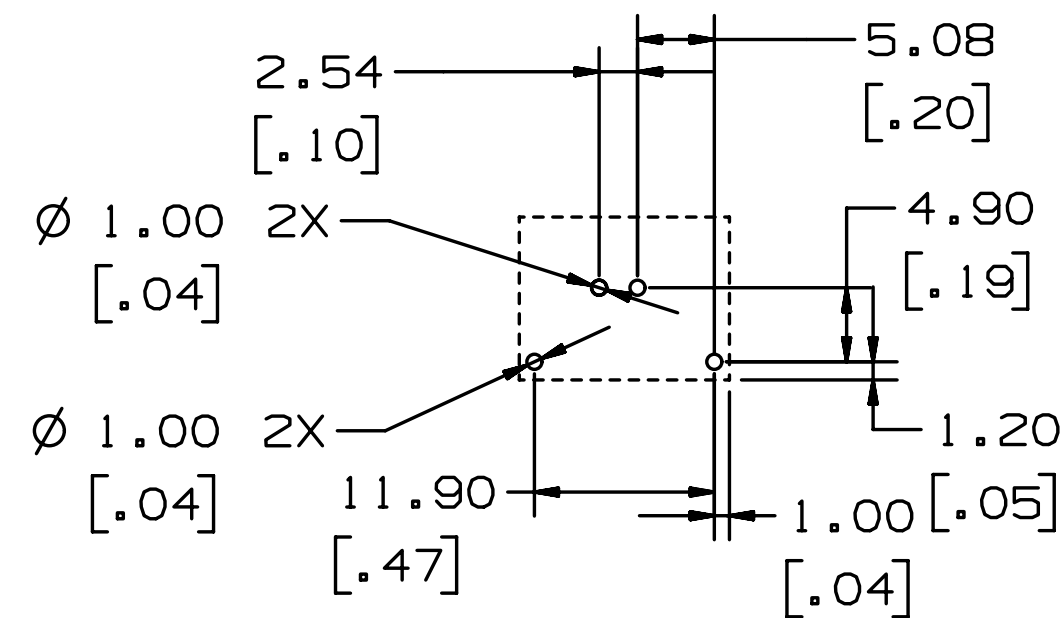
2-POSITION
RIGHT ANGLE BOARD FOOTPRINT
FOR 1.6mm THICK BOARD



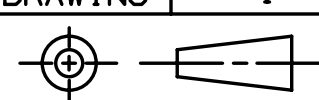
2-POSITION
RIGHT ANGLE BOARD FOOTPRINT
FOR 1.0mm THICK BOARD



2-POSITION
STRAIGHT BOARD FOOTPRINT
FOR 1.6mm THICK BOARD



2-POSITION
STRAIGHT BOARD FOOTPRINT
FOR 1.0mm THICK BOARD

DESIGN REFERENCE				NEXT ASSEMBLY				REV	ECO	ISSUE DATE AND DESCRIPTION				DRFT	CHKD
DISTRIBUTION CODES								DRFT	MWL	DATE		MFG		DATE	
								CHKD		DATE		APPVL		DATE	
DIVISION				DIVISION CODE				3M 3M Center St. Paul, MN 55144 © 3M COPYRIGHT 2011 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed in other than for 3M authorized purposes. All rights reserved.							
Interconnect Solutions				ISD											
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED				TITLE 2.54mm[.100"] LINK BOARDMOUNT, ST AND RA 382 SERIES							
				INCHES											
THIRD ANGLE PROJECTION				.0 ± .00 ± .000 ± .000 ±				CAGE NUMBER SIZE DRAWING NO. REV. 78-5100-2099-9 D							
INTERPRET PER ASME Y14.5 - 1994				MILLIMETERS 0 ± .0 ±.3 .00 ±.13 .000 ±											
MAX SURFACE ROUGHNESS 125 ✓		□ ALL SURFACES ☒ MARKED ONLY		ANGLES ±1°				MODEL DET. LISTS □ YES ☒ NO SHT 3 OF 3							