

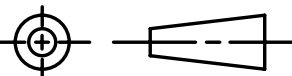
3M™ LINK CONNECTOR, 2.54mm[.100"] BOARDMOUNT, STRAIGHT AND RIGHT ANGLE, 382 SERIES

- 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		

DESIGN REFERENCE				NEXT ASSEMBLY				REV	ECO	ISSUE DATE AND DESCRIPTION				DRFT	CHKD																																									
DISTRIBUTION CODES <table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>																																															DRFT MWL		DATE AUG 30, 2011		MFG		DATE			
CHKD		DATE		APPL				DATE																																																
DIVISION Interconnect Solutions								DIVISION CODE ISD								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 other than for 3M authorized purposes. All rights reserved.																																								
DO NOT SCALE DRAWING				SCALE 4 1				TOLERANCES EXCEPT AS NOTED																																																
 THIRD ANGLE PROJECTION				INCHES 0.0 ± 0.00 ± 0.000 ± 0.000 ±				TITLE 2.54mm[.100"] LINK BOARDMOUNT, ST AND RA 382 SERIES																																																
INTERPRET PER ASME Y14.5 - 1994				MILLIMETERS				CAGE NUMBER SIZE DRAWING NO. REV. D																																																
MAX SURFACE ROUGHNESS 125 125 □ ALL SURFACES ✓ ☒ MARKED ONLY				0 ± 0.0 ±.3 0.00 ±.13 0.000 ±																																																				
ANGLES ±1°								MODEL				DET. LISTS □ YES □ NO				SHT 1 OF 3																																								

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PART ORDERING INFORMATION

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

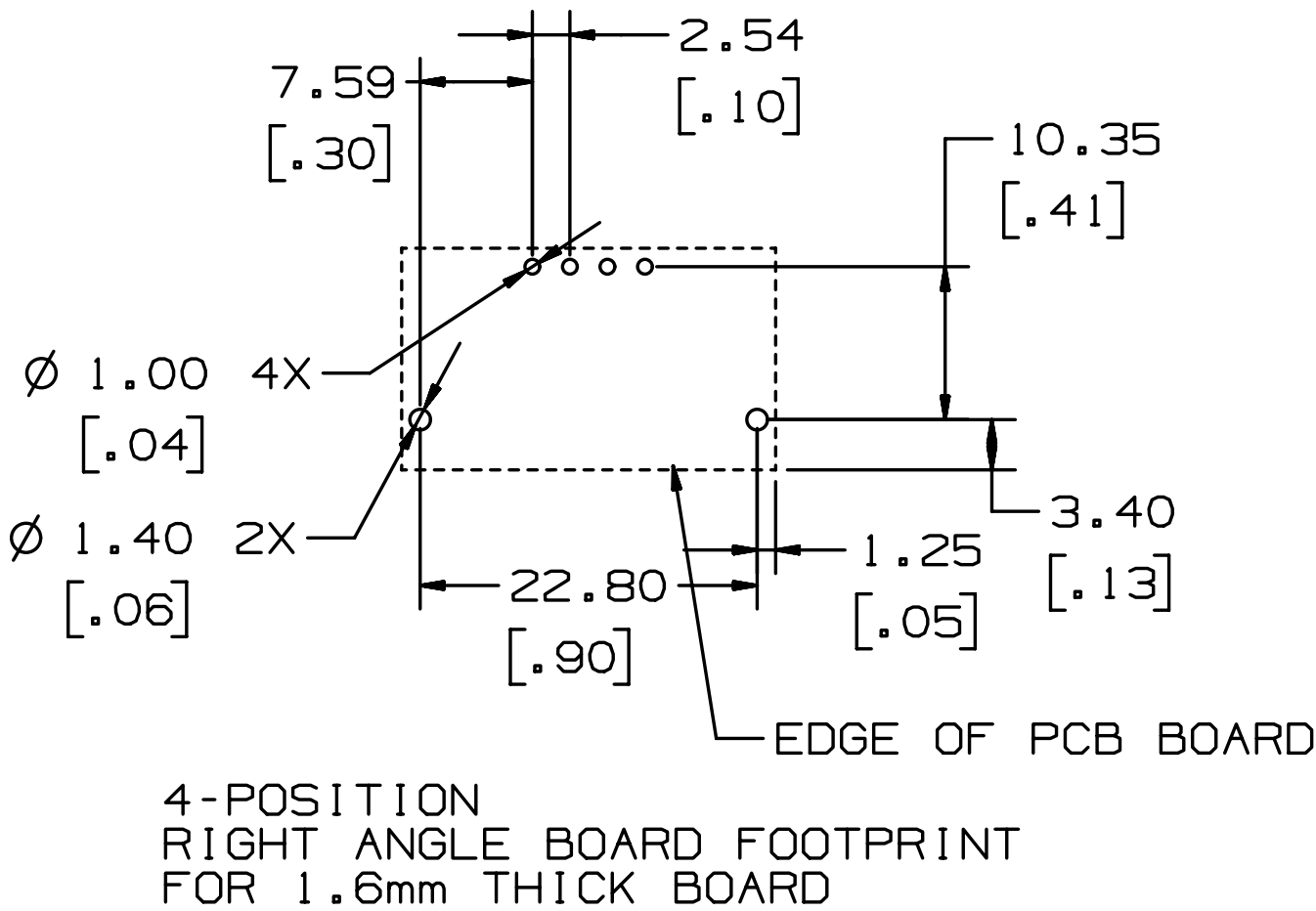
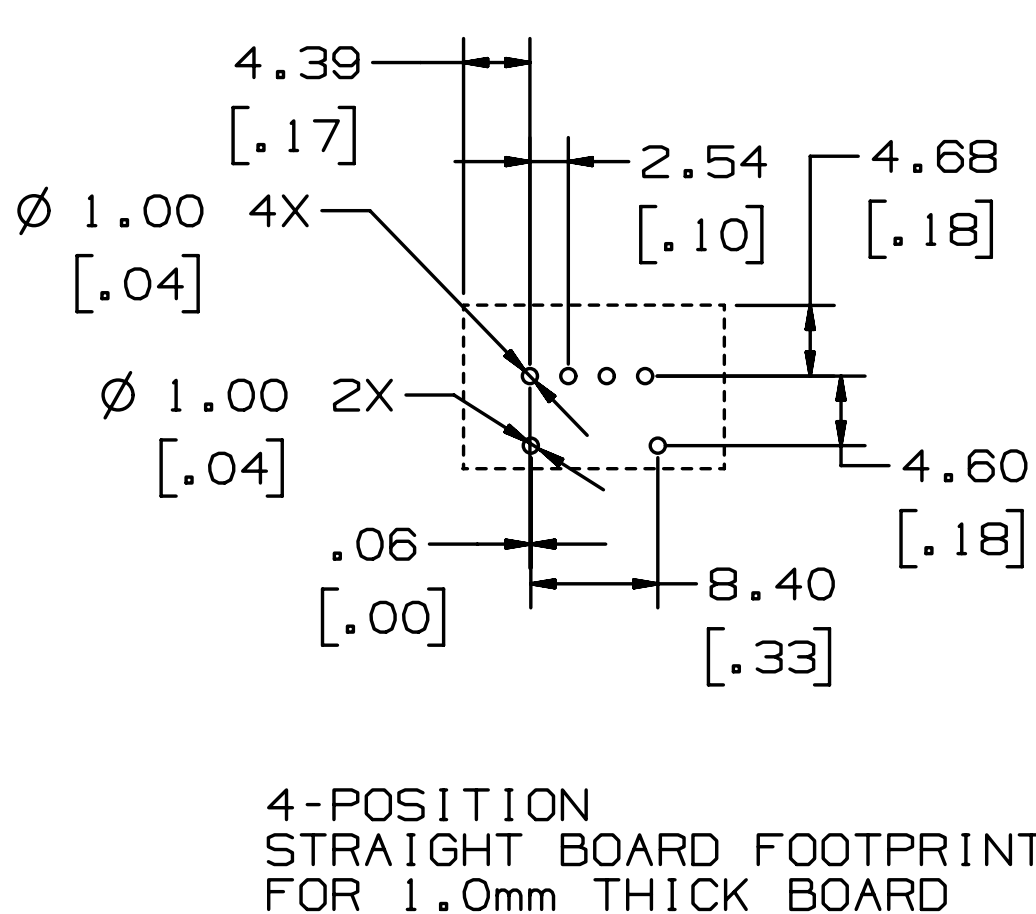
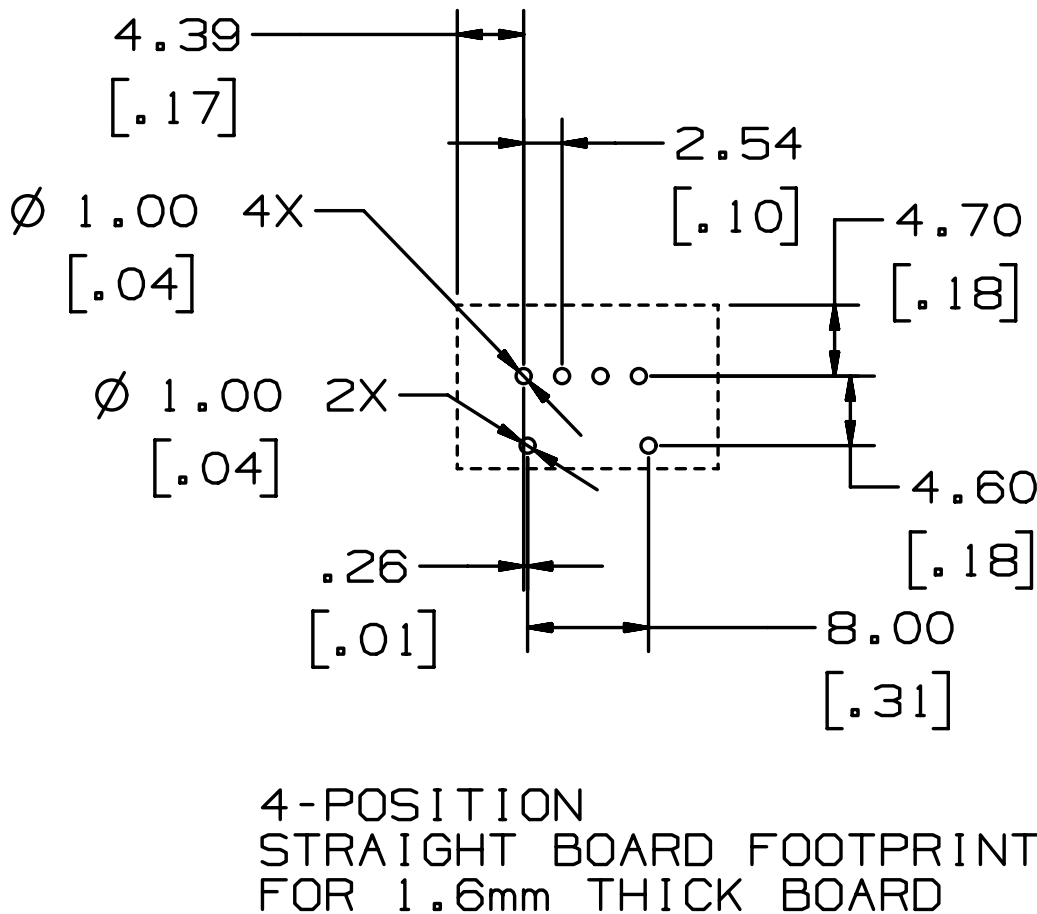
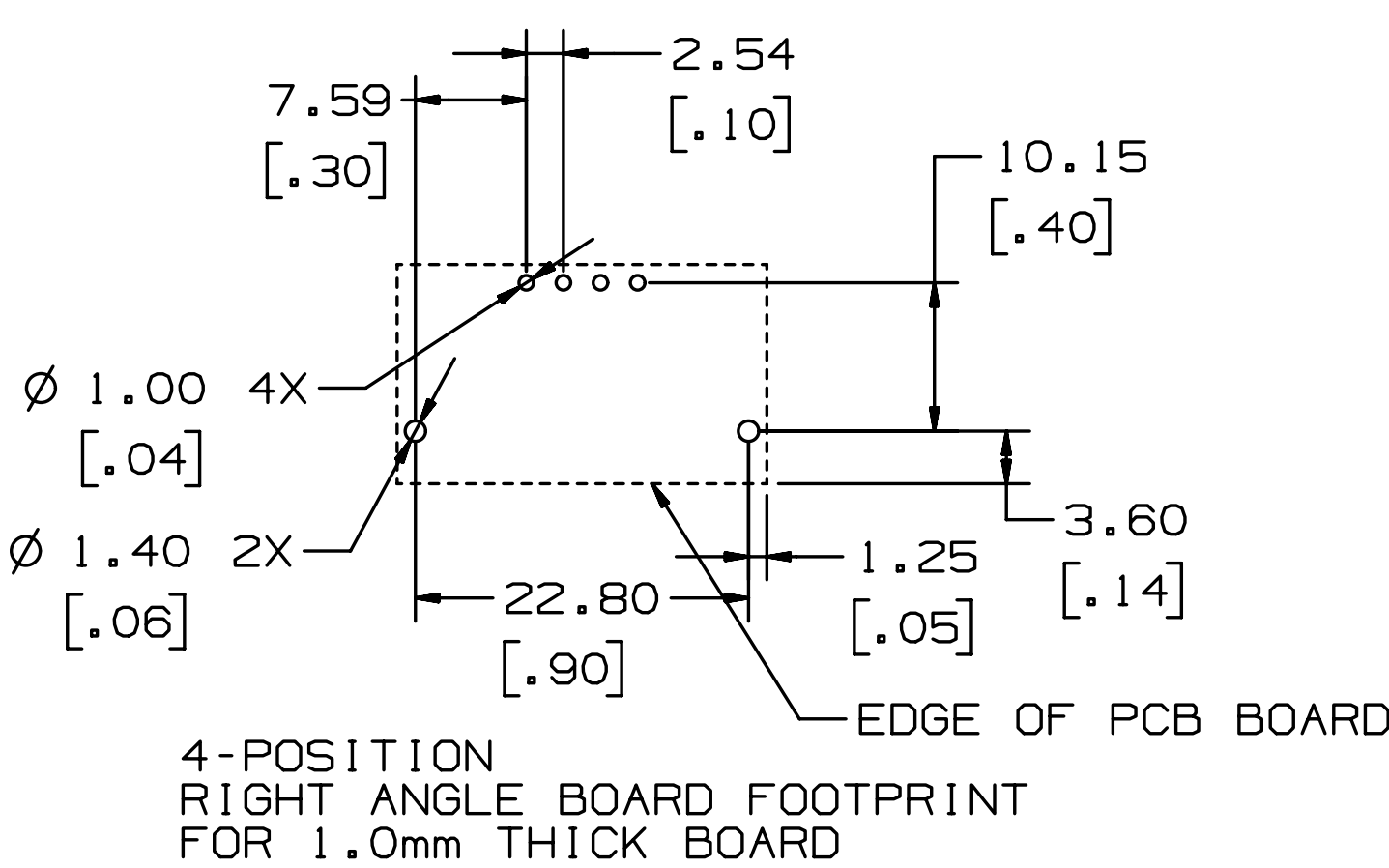
NUMBER OF POSITIONS:
2 = 2 POSITION
4 = 4 POSITION

MOUNTING STYLE:
5 = RIGHT ANGLE
6 = STRAIGHT

COLOR
0 = BLACK
M = BLUE

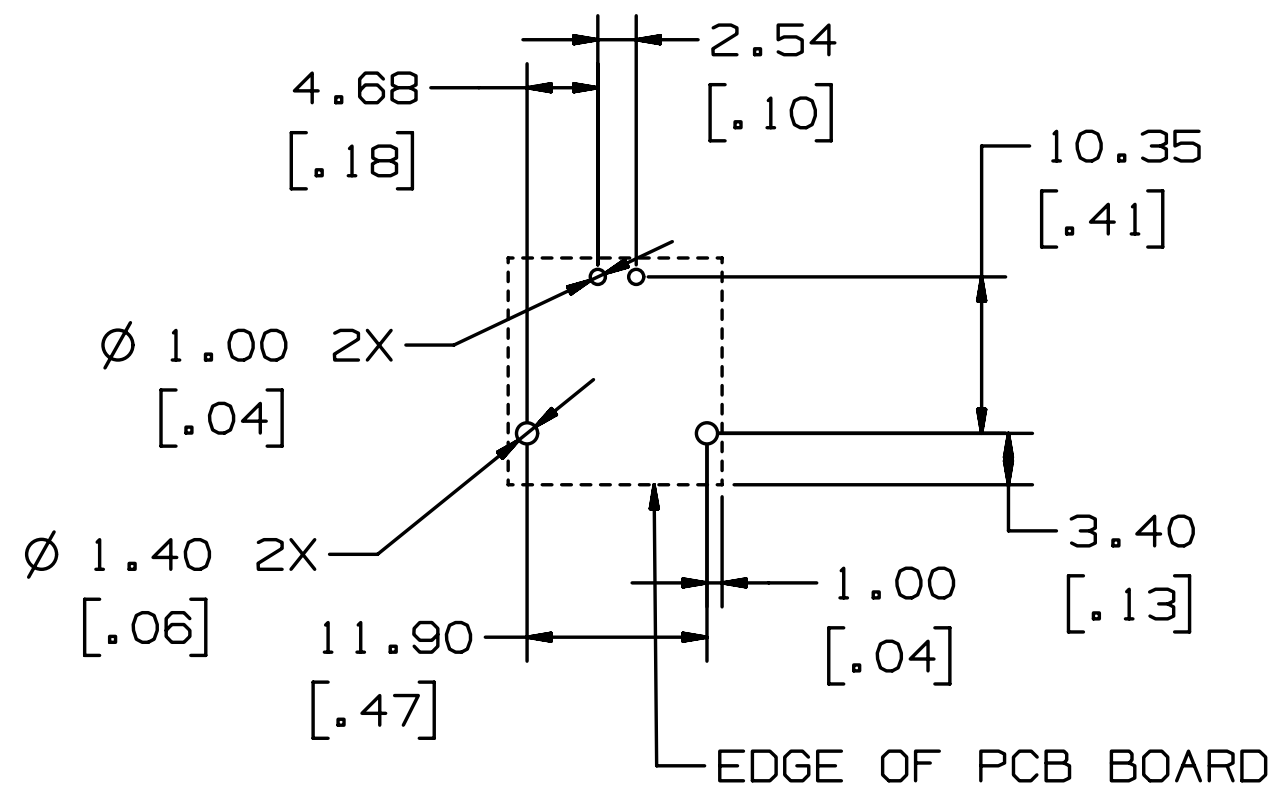
MARKING
0 = 3M
M = CC-Link/LT

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

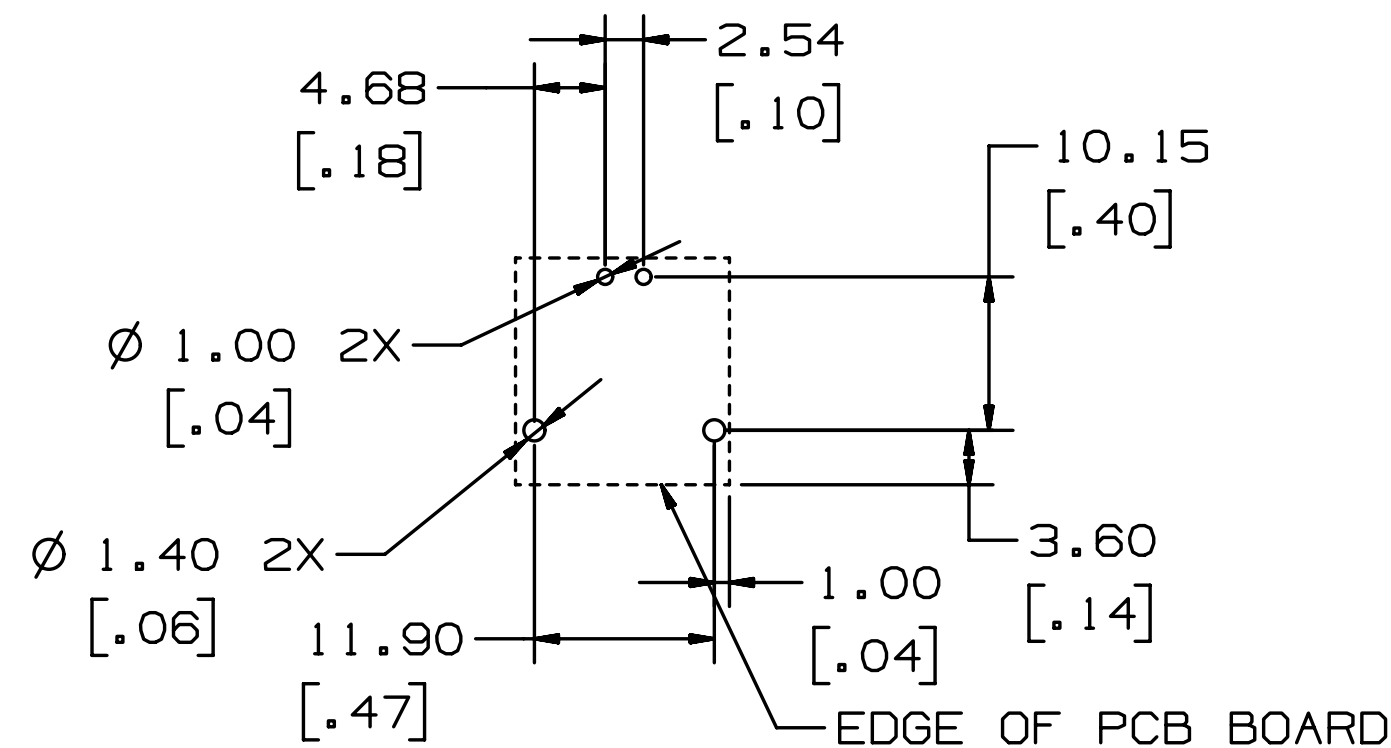


DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DISTRIBUTION CODES				DRFT	MWL	DATE AUG 30, 2011		DATE	
DIVISION Interconnect Solutions		DIVISION CODE ISD		CHKD		DATE		DATE	
DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED		3M 3M Center St. Paul, MN 55144			
THIRD ANGLE PROJECTION		INCHES .00 ± .000 ± .0000 ±		MILLIMETERS 0 ± .0 ± .00 ± .000 ±		© 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 other than for 3M authorized purposes. All rights reserved.			
INTERPRET PER ASME Y14.5 - 1994		ANGLES ±1°		TITLE		2.54mm[.100"] LINK BOARDMOUNT, ST AND RA 382 SERIES			
MAX SURFACE ROUGHNESS 125 ✓ ALL SURFACES MARKED ONLY		CAGE NUMBER		SIZE	DRAWING NO.	REV.			
		C		78-5100-2099-9	D				
		MODEL		DET. LISTS		YES NO		SHT 2 OF 3	

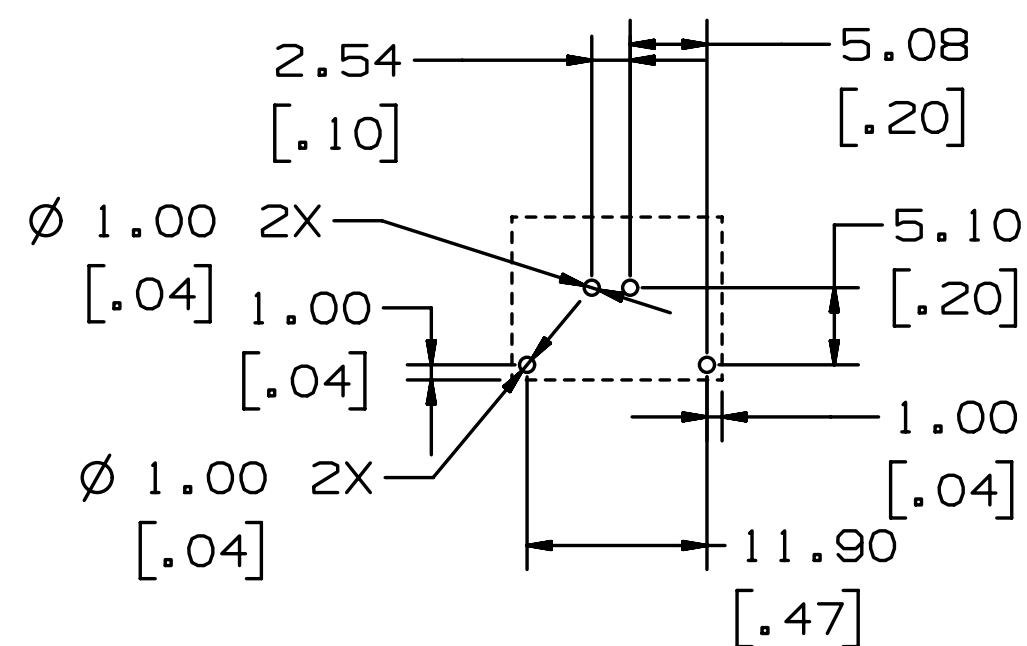
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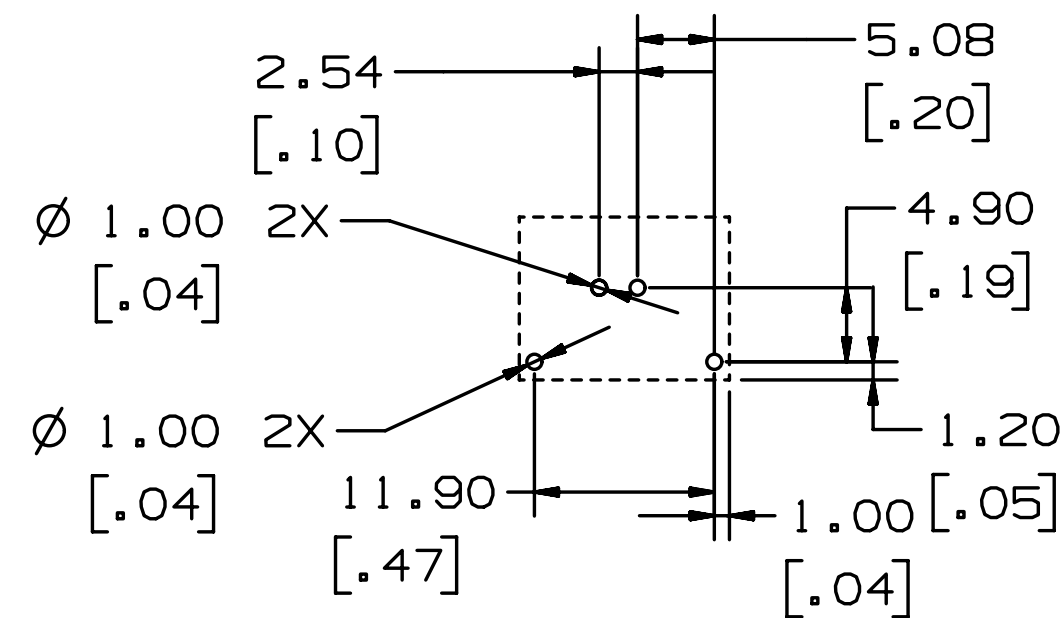
2-POSITION
RIGHT ANGLE BOARD FOOTPRINT
FOR 1.6mm THICK BOARD



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

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MAX SURFACE ROUGHNESS 125 ✓ ALL SURFACES MARKED ONLY		ANGLES ±1°		MODEL		DET. LISTS		YES NO SHT 3 OF 3	