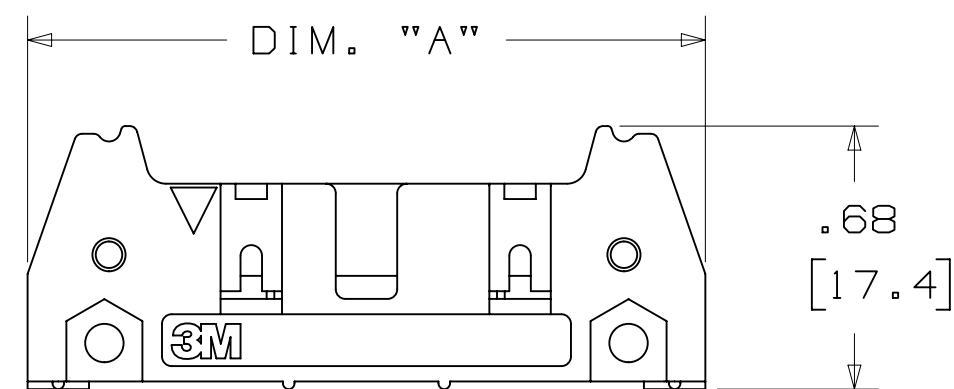
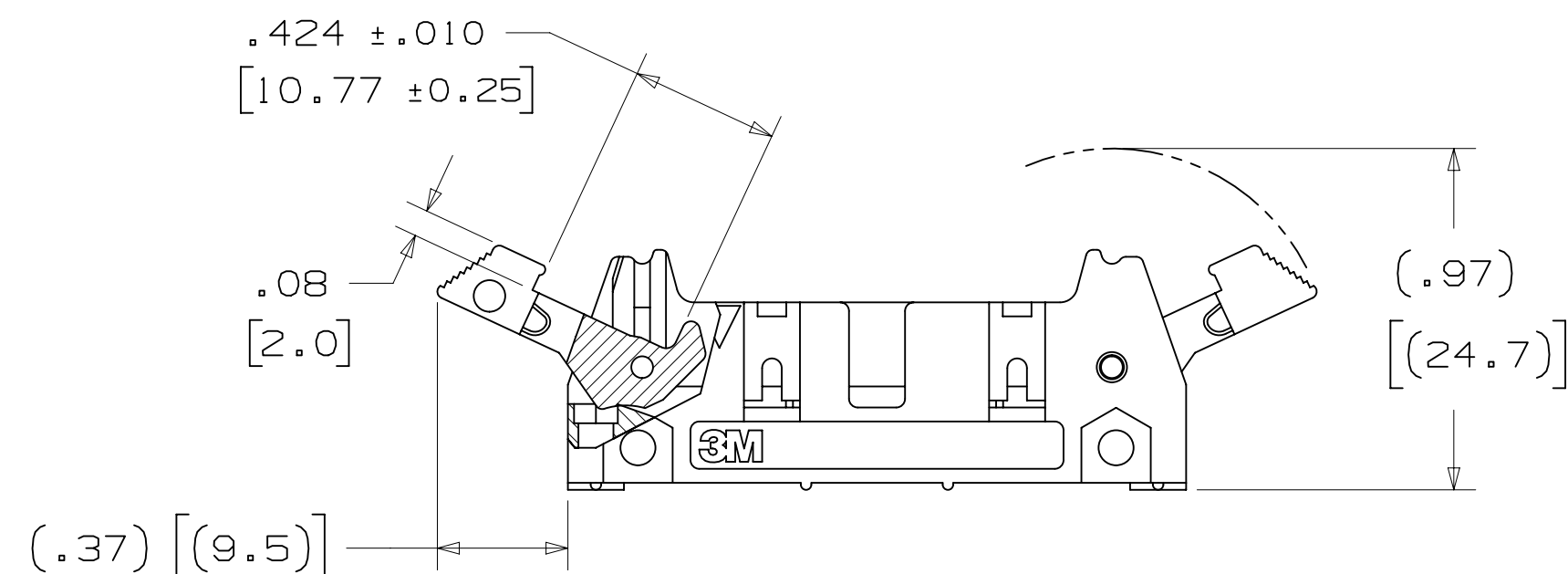


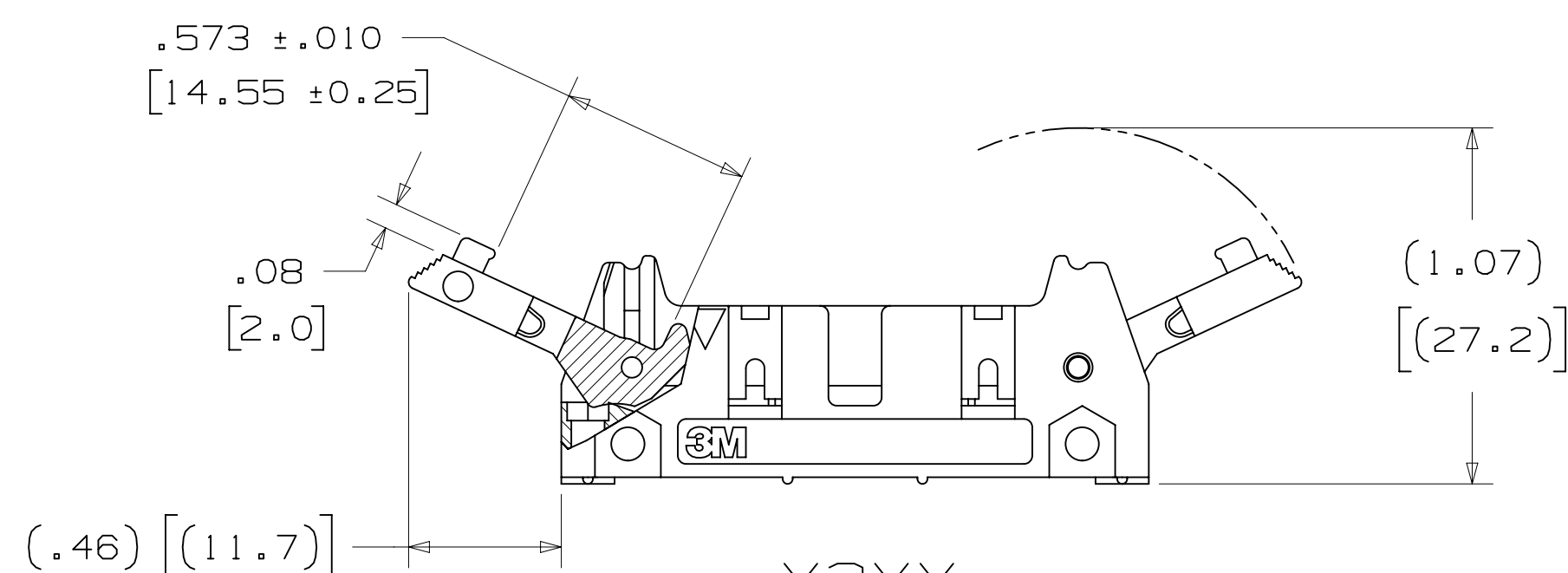
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-X0XX
HEADER WITHOUT LATCH EJECTOR



-X2XX
HEADER WITH SHORT LATCH EJECTOR
FOR 3M SOCKETS WITHOUT STRAIN RELIEF



-X3XX
HEADER WITH LONG LATCH EJECTOR
FOR 3M SOCKETS WITH STRAIN RELIEF

X3XXX-XXXXXX

3M PART NUMBER:
(SEE TABLE 1)

PLATING:

RB = 30μ" [0.76μm] GOLD AND 200μ" [5.08μm] MATTE TIN
(APP. E1 & C1 APPLY)

UB = 30μ" [0.76μm] GOLD AND 200μ" [5.08μm]
TIN LEAD (APP. E3 & C2 APPLY)

LATCH/EJECTOR SYSTEM:
0 = NO LATCH/EJECTOR INSTALLED
2 = SHORT ROLL PIN LATCH/EJECTORS
3 = LONG ROLL PIN LATCH/EJECTORS

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FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

- * MILITARY (WITH 3M'S N3518 POLARIZING KEY) AND CENTERBUMP POLARIZATION.
- * OPTIONAL EJECTOR LATCHES.
- * MOUNTING HOLES FOR SECURING HEADER TO BOARD.
- * OPTIONAL POLARIZING POSTS AVAILABLE.
- * HIGH TEMPERATURE INSULATOR SUITABLE FOR "NO LEAD" SOLDERING OPERATIONS.
- * SUITABLE FOR REFLOW SOLDERING USING "PASTE IN HOLE" TECHNIQUES.
- * SOLDER TAIL OPTION.

2 PHYSICAL :

```

INSULATOR:
  MATERIAL: GLASS FILLED POLYESTER (PCT)
FLAMMABILITY: UL94V-0
  COLOR: BLACK
  CONTACT:
    MATERIAL: COPPER ALLOY
    PLATING:
      UNDER PLATING: 100μ" [ 2.54μm ] NICKEL-OVERALL
      WIPING AREA: 30μ" [ 0.76μm ] AVG. GOLD
      SOLDER TAILS: TIN LEAD OR MATTE TIN (SEE ORDERING INFORMATION)
      MARKINGS: 3M LOGO, PART IDENTIFICATION NUMBER AND ORIENTATION TRIANGLE

```

2 ELECTRICAL :

CURRENT RATING: 5.00A, 1 CONTACT POWERED
3.00A, 6 CONTACTS POWERED
1.75A, ALL CONTACTS POWERED
RATING CONDITIONS: EIA-364-070 METHOD 2, 30°C MAXIMUM
TEMPERATURE RISE, 20% DERATED. REFERENCE APPROPRIATE
3M PRODUCT SPECIFICATION FOR DETAILED CURRENT DERATING
CURVES.
INSULATION RESISTANCE: $>1 \times 10^9 \Omega$ AT 500 V_{DC}
WITHSTANDING VOLTAGE: 1,000V_{RMS} AT SEA LEVEL

2 ENVIRONMENTAL :

TEMPERATURE RATING: -55°C TO 105°C
PROCESS RATING: 260°C, PER J-STD-020C, SINGLE PASS
MOISTURE SENSITIVITY LEVEL: 1 (PER J-STD-020C)

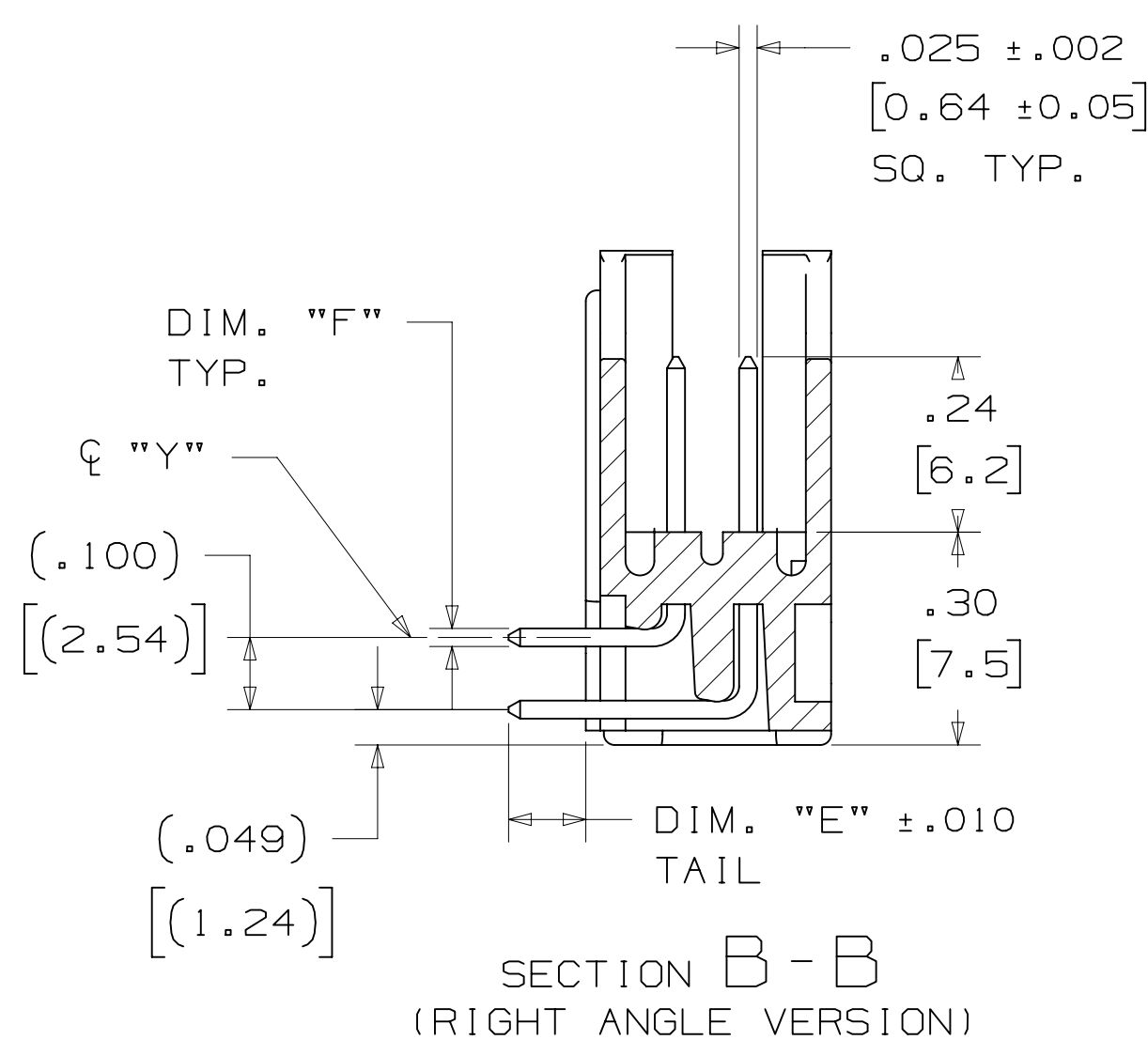
DIMENSIONS: INCHES [MM]
[MM] IS REF. ONLY

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ADDRESS		CODE		DRFT	DATE		MFG	DATE	
				CHKD	DATE		ASPL	DATE	
DIVISION		DIVISION CODE				R. SCHERER		SEP 05, 2014	
Interconnect Solutions		EMSD							
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		3M		© 3M COPYRIGHT 2015			
SCALE $\frac{2}{1}$				3M Center St. Paul, MN 55144		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.			
		INCHES .00 ± .00 ±.01 .000 ±.005 .0000 ±		TITLE		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
THIRD ANGLE PROJECTION		MILLIMETERS 0 ± .00 ±.13 .000 ±		CAGE NUMBER		DRAWING NO.			
INTERPRET PER ASME Y14.5 - 2009		MAX. SURFACE ROUGHNESS ✓ MAX. SURFACES □ MARKED ONLY		SIZE		D78-5100-0772-3			
		ANGLES		MODEL		REV.			
				3000 SERIES		DET. ☒ YES ☒ NO SHT 1 OF 1			

UL[®]
US
UL FILE NO: E68080

Imaged: S.1 3/6/2015 12:54 PM UTC-06:00

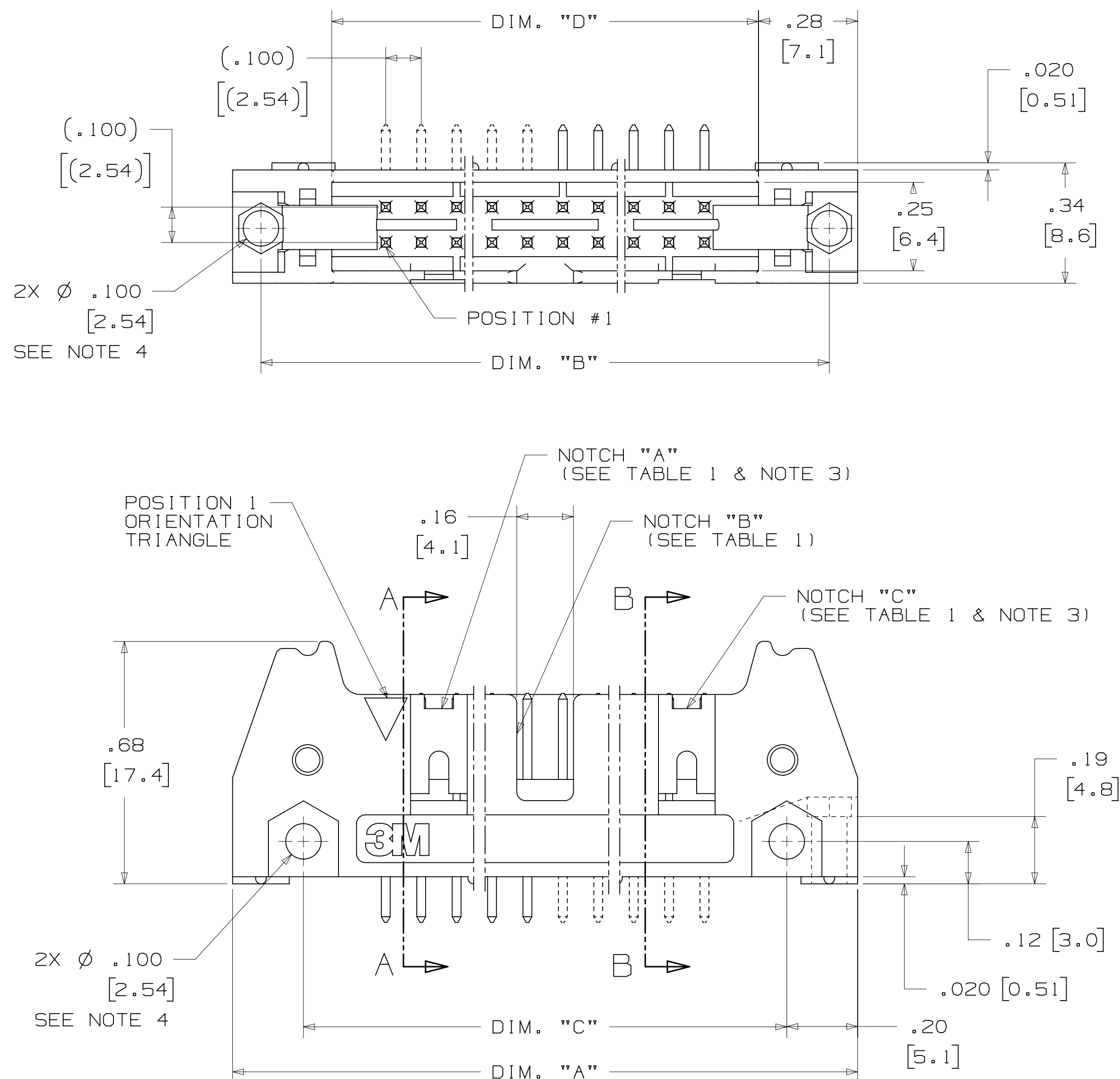
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

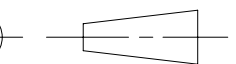


PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY
06	3869	1.06 [27.0]	.905 [22.99]	.665 [16.89]	.51 [12.9]	B*	06
08	3889	1.16 [29.5]	1.005 [25.53]	.765 [19.43]	.61 [15.5]	B*	08
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20	3428	1.76 [44.8]	1.604 [40.74]	1.365 [34.67]	1.21 [30.7]	ABC	20
24	3627	1.96 [49.9]	1.805 [45.82]	1.565 [39.75]	1.41 [35.8]	ABC	24
26	3429	2.06 [52.4]	1.905 [48.36]	1.665 [42.29]	1.51 [38.3]	ABC	26
30	3440	2.26 [57.5]	2.105 [53.44]	1.865 [47.37]	1.71 [43.4]	ABC	30
34	3431	2.46 [62.6]	2.305 [58.52]	2.065 [52.45]	1.91 [48.5]	ABC	34
40	3432	2.76 [70.2]	2.605 [66.14]	2.365 [60.07]	2.21 [56.1]	ABC	40
50	3433	3.26 [82.9]	3.105 [78.84]	2.865 [72.77]	2.71 [68.8]	ABC	50
60	3372	3.76 [95.6]	3.605 [91.54]	3.365 [85.47]	3.21 [81.5]	ABC	60
64	3764	3.96 [100.7]	3.805 [96.62]	3.565 [90.55]	3.41 [86.6]	ABC	64

* AVAILABLE WITHOUT CENTER NOTCH B. CONTACT 3M

TABLE 2						
3M PART NUMBER SUFFIX	CONTACT TAIL	DIM. "E"	PIN CROSS SECTION			DIM. "G"
-5XX2	.062 [1.57] THICK PC BOARD	.112 [2.84]	DIM. "F"	DIAGONALS	CORNER RADIUS	.035+/- .003 [.89] SEE NOTE 5
-6XX2			.0245+/- .0005 [.622]	.028+/- .001 [.71]	.0075 REF. [.191]	
-5X03	.094 [2.39] TO .125 [3.18] THICK PC BOARD	.155 [3.94]	.0245+/- .0005 [.622]	.028+/- .001 [.71]	.0075 REF. [.191]	.035+/- .003 [.89]
-6X03						

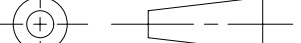


DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACROSS CODES				DRFT	CAST1GL1ONE		DATE	MFG	DATE
				CHKD			JUL 25, 2014		
						DATE	APPRV.	DATE	
							R. SCHERER	SEP 05, 2014	
DIVISION		DIVISION CODE		Interconnect Solutions DO NOT SCALE DRAWING SCALE $\frac{4}{1}$ EMSD TOLERANCES EXCEPT AS NOTED INCHES THIRD ANGLE PROJECTION INTERPRET PER ASME Y14.5 - 2009 3M Center St. Paul, MN 55144 © 3M COPYRIGHT 2015 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.					
		0.0 ± 0.00 ± .01 0.000 ± .005 0.000 ±		TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA					
		MILLIMETERS 0 ± 0.0 ± .3 0.00 ± .13 0.000 ±		CAGE NUMBER D 78-5100-0772-3					
MAX SURFACE ROUGHNESS ✓ ☐ ALL SURFACES ☐ MARK ONLY		ANGLES		MODEL 3000 SERIES					
				REV. DET. ☐ LISTS ☐ YES ☒ NO SHT 2 OF 4					

.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

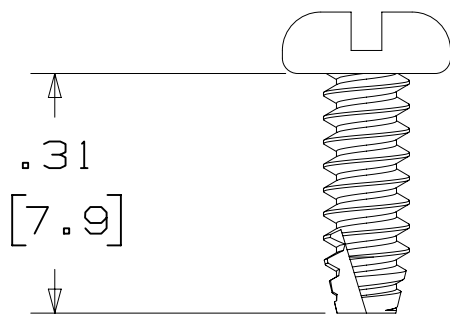


 (.03)
 [(0.8)]
 TYP.

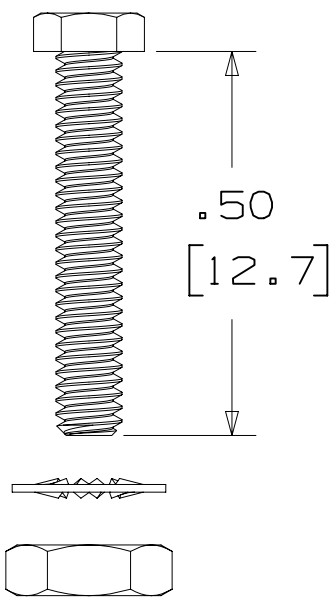
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ACCORDS				BPN		CASTIGLIONE		DATE		JUL 25, 2014		MFG		DATE	
				CHKD				DATE				APPRV		R. SCHERER DATE SEP 05, 2014	
DIVISION				DIVISION CODE				© 3M COPYRIGHT 2015 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.							
Interconnect Solutions				EMSD											
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED											
				INCHES											
				.00 ± .01 .000 ± .005 .0000 ±		TITLE		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA							
THIRD ANGLE PROJECTION				MILLIMETERS		0 ±									
INTERPRET PER ASME Y14.5 - 2009				.00 ± .3 .00 ± .13 .000 ±		CAGE NUMBER		SIZE		DRAWING NO.		REV.			
MAX SURFACE ROUGHNESS MAX SURFACES ☒ MARKED ONLY				.000 ± ANGLE ±		D		78-5100-0772-3		S					
				MODEL		3000 SERIES		DET. LISTS		YES ☐ NO ☒		SHT		3 OF 4	

3M™ FOUR-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

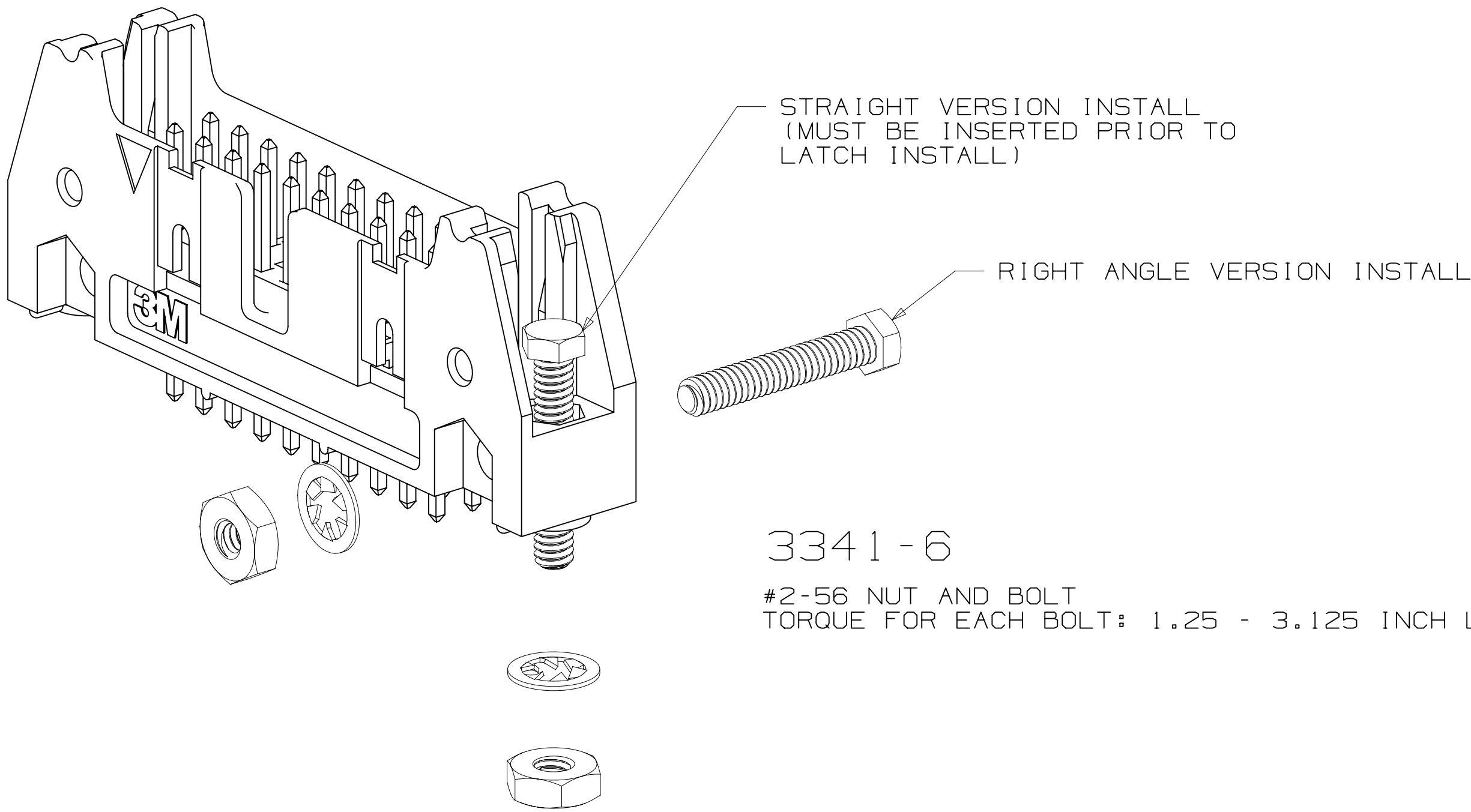
MOUNTING HARDWARE



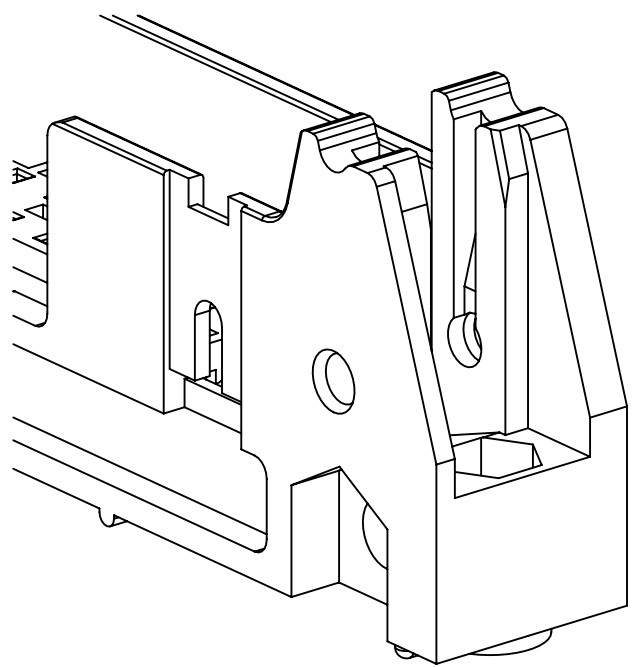
3341-5
(INSTALL FROM BOTTOM OF BOARD)
PANHEAD THREAD CUTTING SCREW:
#4-24 X 5/16"
TYPE: USA STD BT, FEDERAL BG
MATERIAL: STAINLESS STEEL



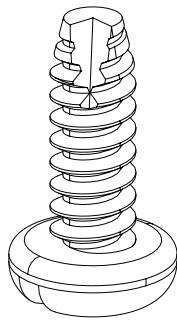
3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



3341-6
#2-56 NUT AND BOLT
TORQUE FOR EACH BOLT: 1.25 - 3.125 INCH LBS.



#4-24 TYPE BT SELF THREADING SCREW
WHEN USING LATCHES, MAXIMUM LENGTH
OF SCREW IS .250 INCHES PLUS
THICKNESS OF THE BOARD.
TORQUE FOR EACH SCREW IS 3-5 INCH LBS.



3341-5

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF		DPR		DATE		MFG		DATE	
CODES		CASTIGLIONE		JUL 25, 2014		R. SCHERER		SEP 05, 2014	
DIVISION		DIVISION CODE		S		60056		MAR 06, 2015	
Interconnect Solutions		EMSD		R		56068		JUL 25, 2014	
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		INCHES		MILLIMETERS	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		CAGE NUMBER		DRAWING NO.	
MARKED ONLY		ANGLES		3M Center St. Paul, MN 55144		D 78-5100-0772-3		S	
MODEL		3000 SERIES		DET		YES		NO	
SHT		4		OF		4			