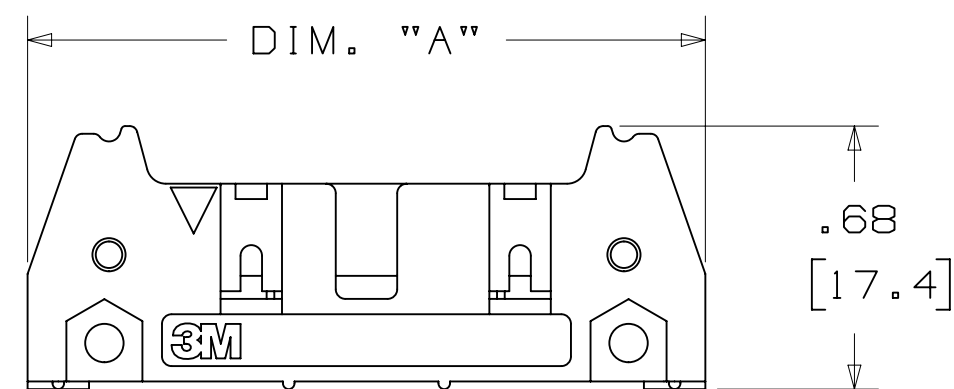
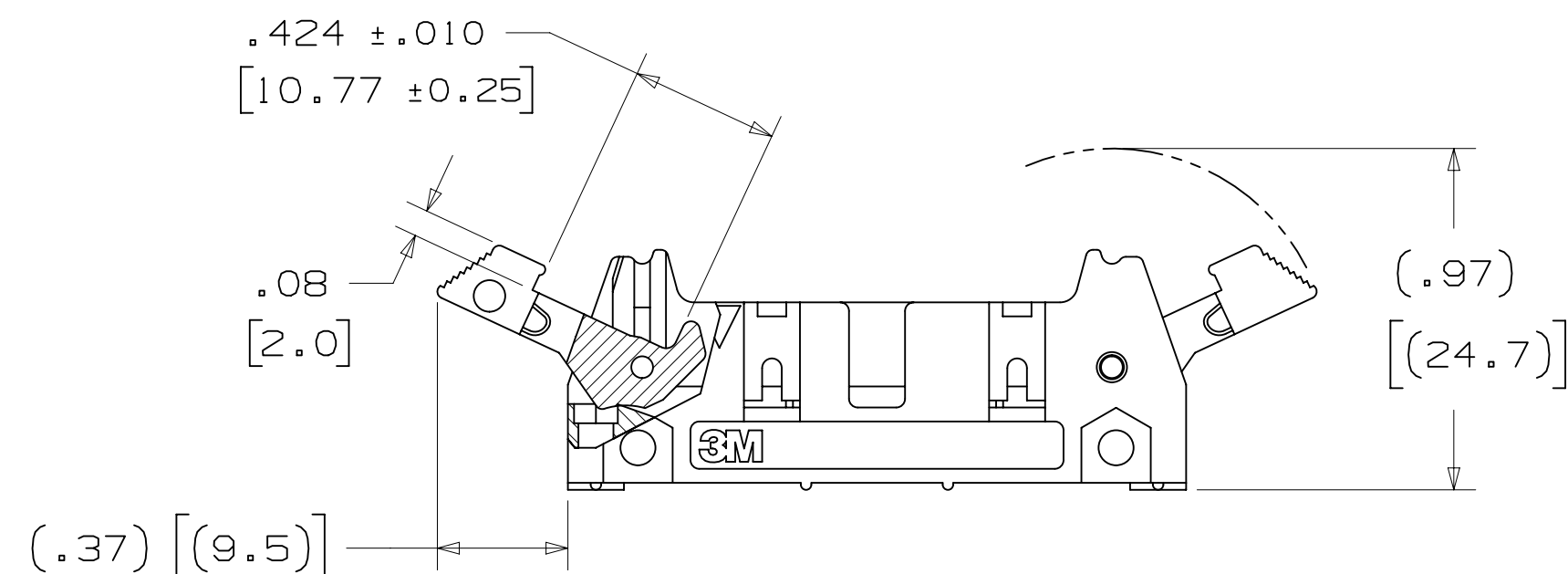


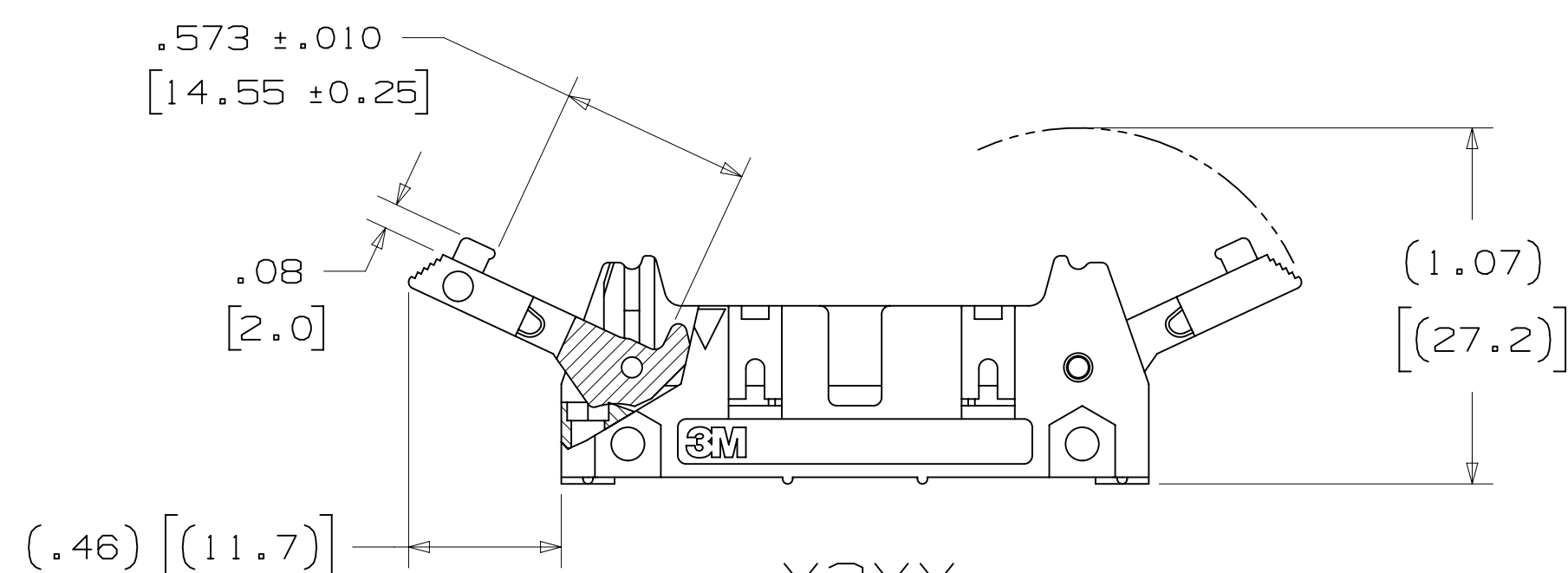
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-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

- PLATING:

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

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

```

- TAIL:
O2 = FOR .062 [1.57] THICK BOARD
O3 = FOR .094 TO .125 [2.39 TO 3.18] THICK BOARD
K2 = KINKED FOR .062 [1.57] THICK BOARD

```

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

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- * 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	
ACCORDS				DRFT		CASTIGLIONE		DATE		INFO		DATE			
								JUL 25, 2014							
				CHKD				DATE		APPRV.		R. SCHERER		SEP 05, 2014	
DIVISION				DIVISION CODE				© 3M COPYRIGHT 2015							
Interconnect Solutions				EMSD				 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 2 1		TOLERANCES EXCEPT AS NOTED											
				INCHES											
				.00 ±											
				.00 ± .01											
				.000 ± .005											
				.0000 ±											
				MILLIMETERS											
				0 ±											
				0 ± .13											
				.00 ± .3											
				.00 ±											
				THIRD ANGLE PROJECTION											
				INTERPRET PER ASME Y14.5 - 2009											
				MAX SURFACE ROUGHNESS											
				SURFACES											
				✓ ☐ MARKED ONLY											
				ANGLE											
				TITLE											
				HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA											
CAGE NUMBER		SIZE		DRAWING NO.		REV.									
D78-5100-0772-3		S		S		S									
MODEL				3000 SERIES											
DET.				SHTS				YES				NO			
SHT 1				OF											

UL[®]
US
UL FILE NO: E68080

A

3M™ FOUR-WALL HEADER, 3000 SERIES

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

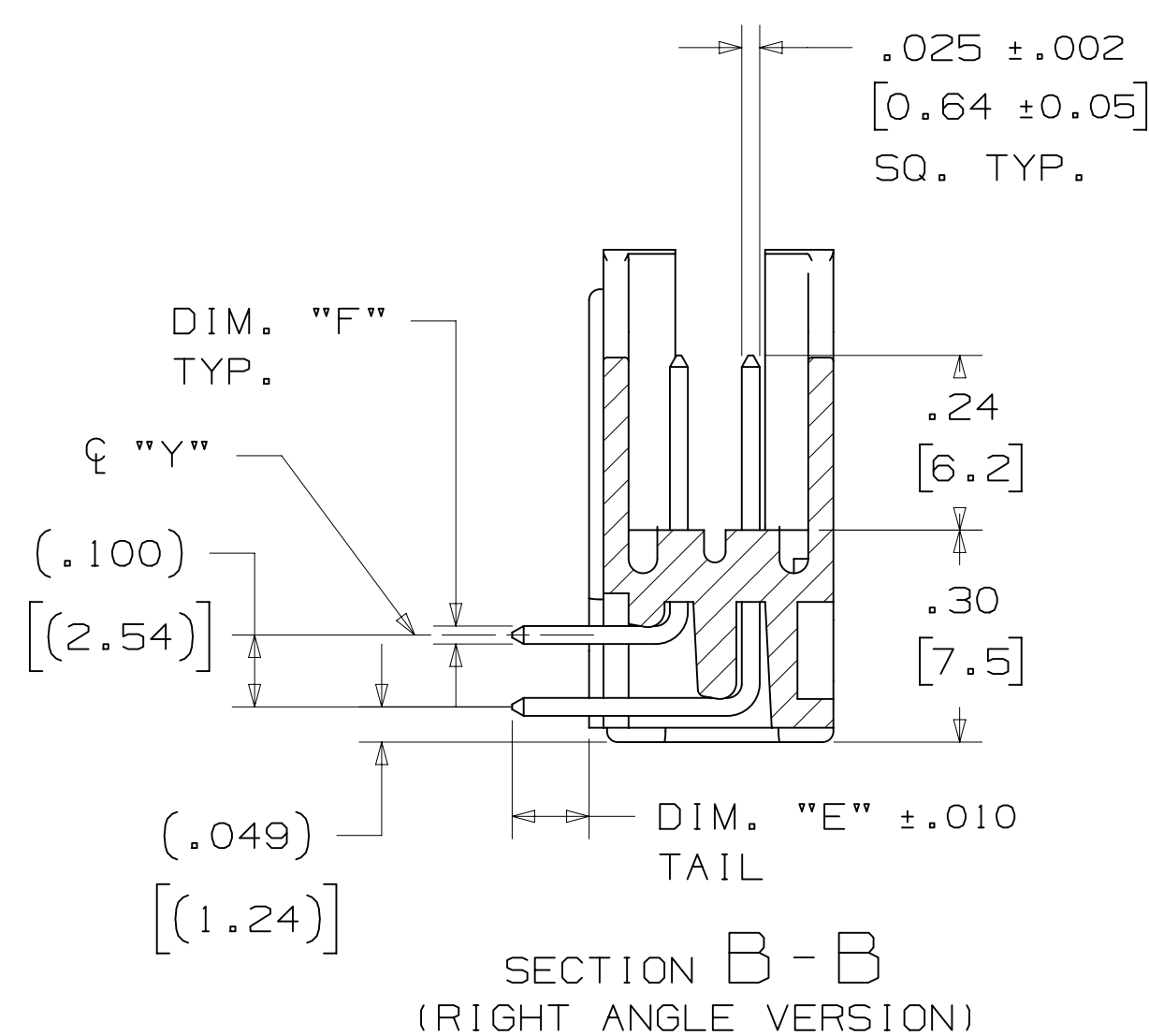
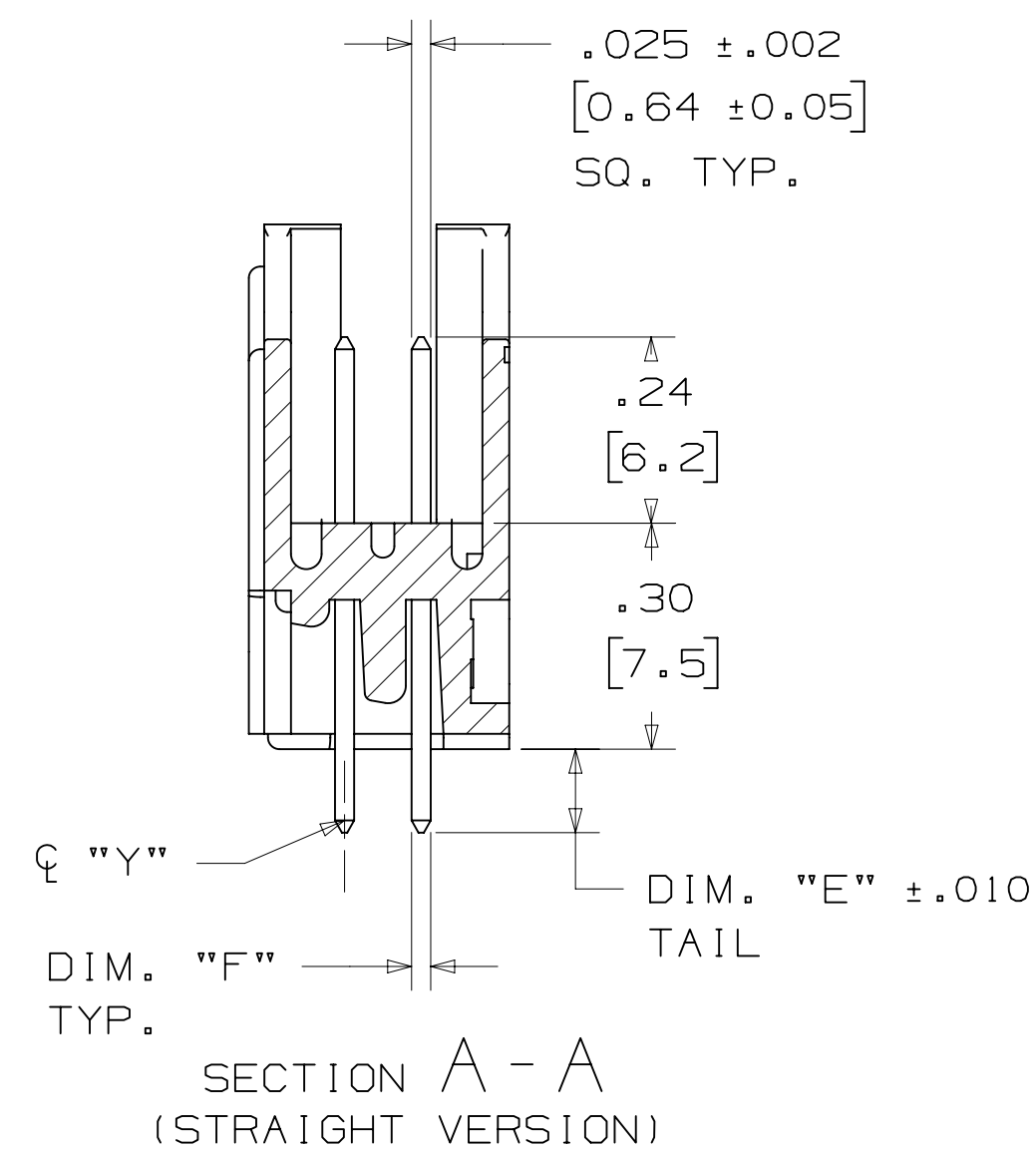
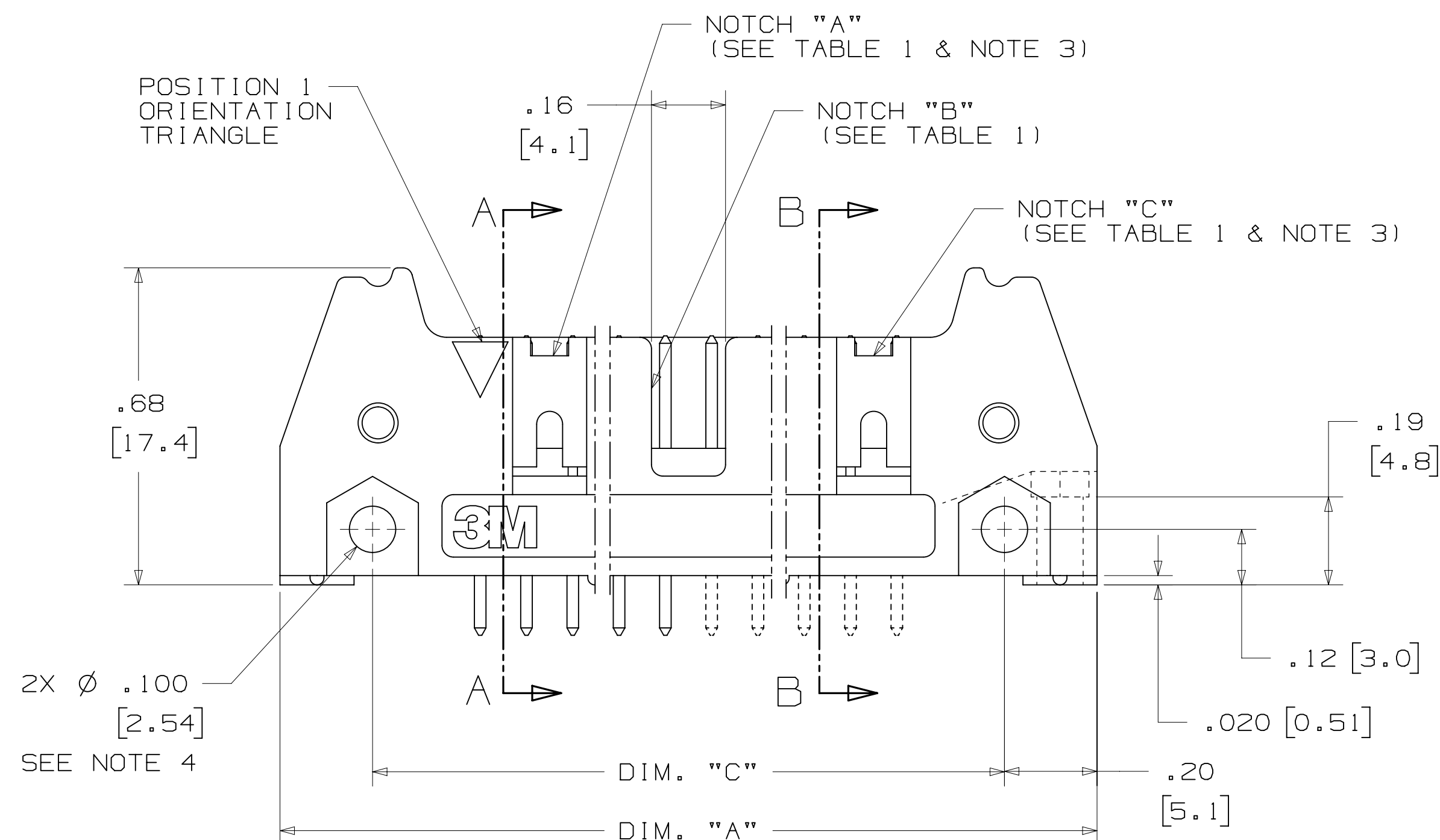
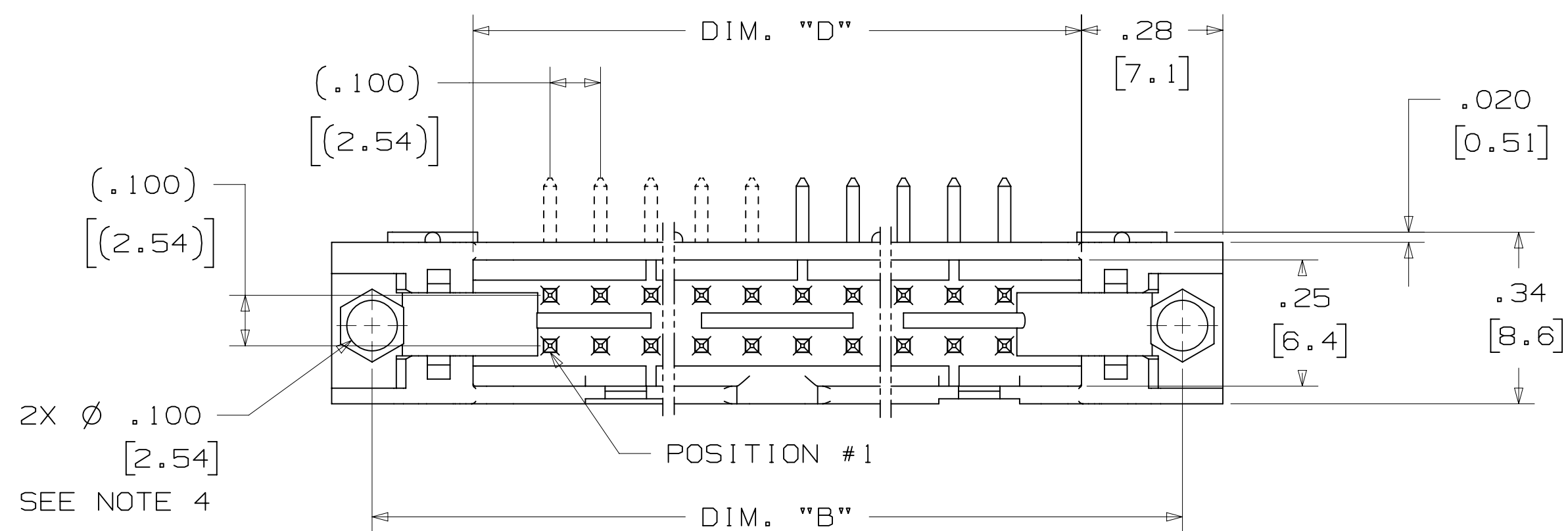


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY
06	3869	1.06 [27.0]	.905 [22.99]	.665 [16.89]	.51 [12.9]	B*	06
08	3889	1.16 [29.5]	1.005 [25.53]	.765 [19.43]	.61 [15.5]	B*	08
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	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
ASSEMBLY CODES				DRFT	CASTIGLIONE		MFG	DATE	
				CHKD	JUL 25, 2014		APPR	SEP 05, 2014	
				DATE		R. SCHERER			
DIVISION				DIVISION CODE		© 3M COPYRIGHT 2015			
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DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		TITLE			
		THIRD ANGLE PROJECTION		INCHES		 HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		INCHES		CAGE NUMBER			
		0 ± .01 0.000 ± .005 0.0000 ±		0 ± .3 0.00 ± .13 0.000 ±		SIZE			
~~MAX SURFACE ROUGHNESS~~		~~1.6~~		~~1.6~~		DRAWING NO.			
~~MIN SURFACES~~		~~1.6~~		~~1.6~~		D			
☒ MARKED ONLY		☐ UNMARKED		☐ UNMARKED		D78-5100-0772-3			
~~ANGLE~~		~~ANGLE~~		~~ANGLE~~		REV.			
~~ANGLE~~		~~ANGLE~~		~~ANGLE~~		S			
~~ANGLE~~		~~ANGLE~~		~~ANGLE~~		MODEL			
~~ANGLE~~		~~ANGLE~~		~~ANGLE~~		3000 SERIES			
~~ANGLE~~		~~ANGLE~~		~~ANGLE~~		DET			
~~ANGLE~~		~~ANGLE~~		~~ANGLE~~		LISTS ☐ YES ☒ NO			
~~ANGLE~~		~~ANGLE~~		~~ANGLE~~		SHT 2 OF 2			

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



(.03)

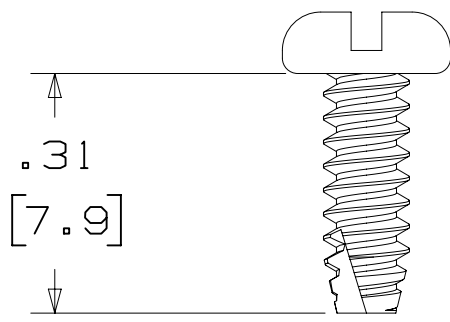
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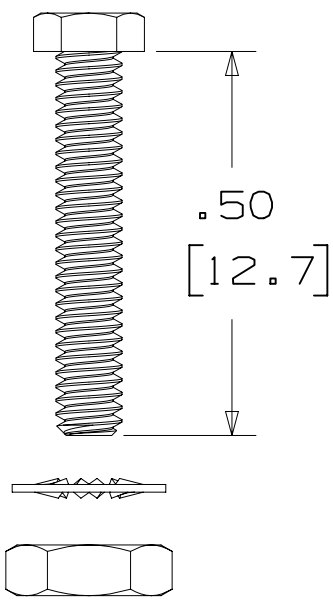
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ACCORDS				BPN		CASTIGLIONE		DATE		MFG		DATE			
								JUL 25, 2014							
				CHKD				DATE		APPRV		DATE		SEP 05, 2014	
DIVISION		DIVISION CODE													
Interconnect Solutions		EMSD													
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		INCHES .00 ± .01 .000 ± .005 .0000 ±		TITILE		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA									
THIRD ANGLE PROJECTION		MILLIMETERS .0 ± .3 .00 ± .13 .000 ±		CAGE NUMBER		SIZE		DRAWING NO.				REV.			
INTERPRET PER ASME Y14.5 - 2009		MAY SURFACE ROUGHNESS		D		78-5100-0772-3		S							
✓ ☐ MARKED ONLY		ALL SURFACES		MODEL		3000 SERIES		DET. LISTS		YES X NO		SHT 3 OF 4			

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

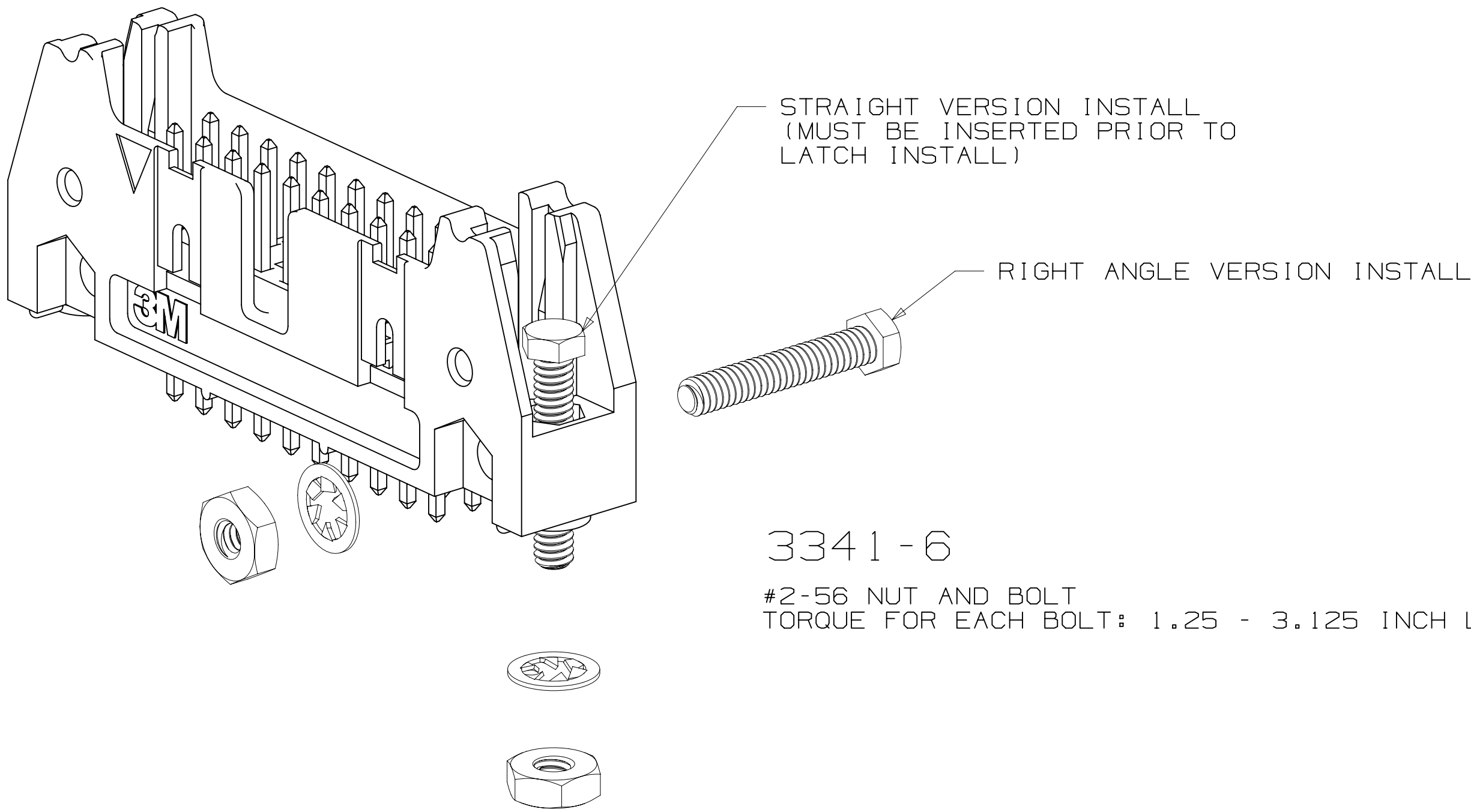
MOUNTING HARDWARE



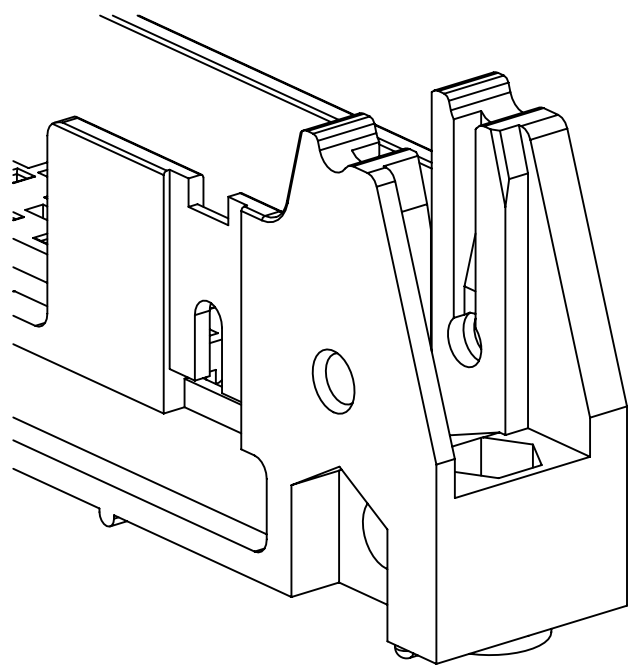
3341-5
(INSTALL FROM BOTTOM OF BOARD)
PANHEAD THREAD CUTTING SCREW:
#4-24 X 5/16"
TYPE: USA STD BT, FEDERAL BG
MATERIAL: STAINLESS STEEL



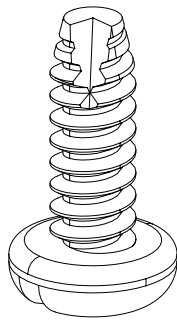
3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



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		JUL 25, 2014		JUL 25, 2014	
THIRD ANGLE PROJECTION		INCHES		.00 ± .01		.000 ± .005		.0000 ±	
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		0 ±		.0 ± .3		.00 ± .13	
MAX SURFACE ROUGHNESS		SURFACES		.000 ±		.000 ±		.000 ±	
MARKED ONLY		ANGLES		3000 SERIES		DET		YES NO	
TITLE		CAGE NUMBER		SIZE		DRAWING NO.		REV.	
HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA		D 78-5100-0772-3		S		SHT 4 OF 4			
MODEL		3000 SERIES		DET		YES NO		SHT 4 OF 4	