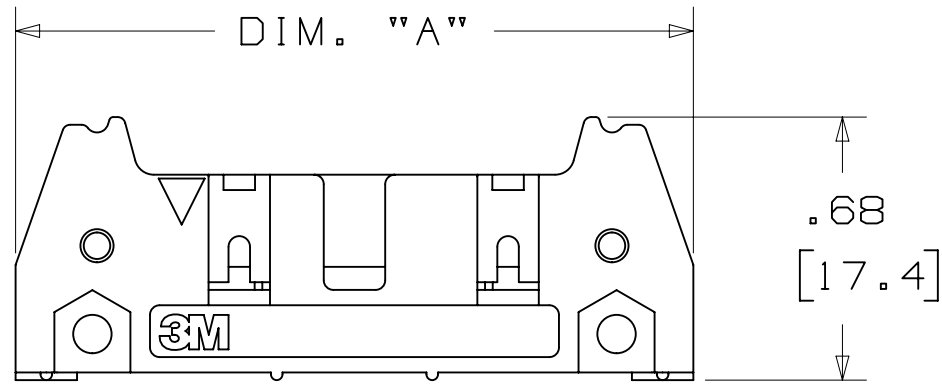
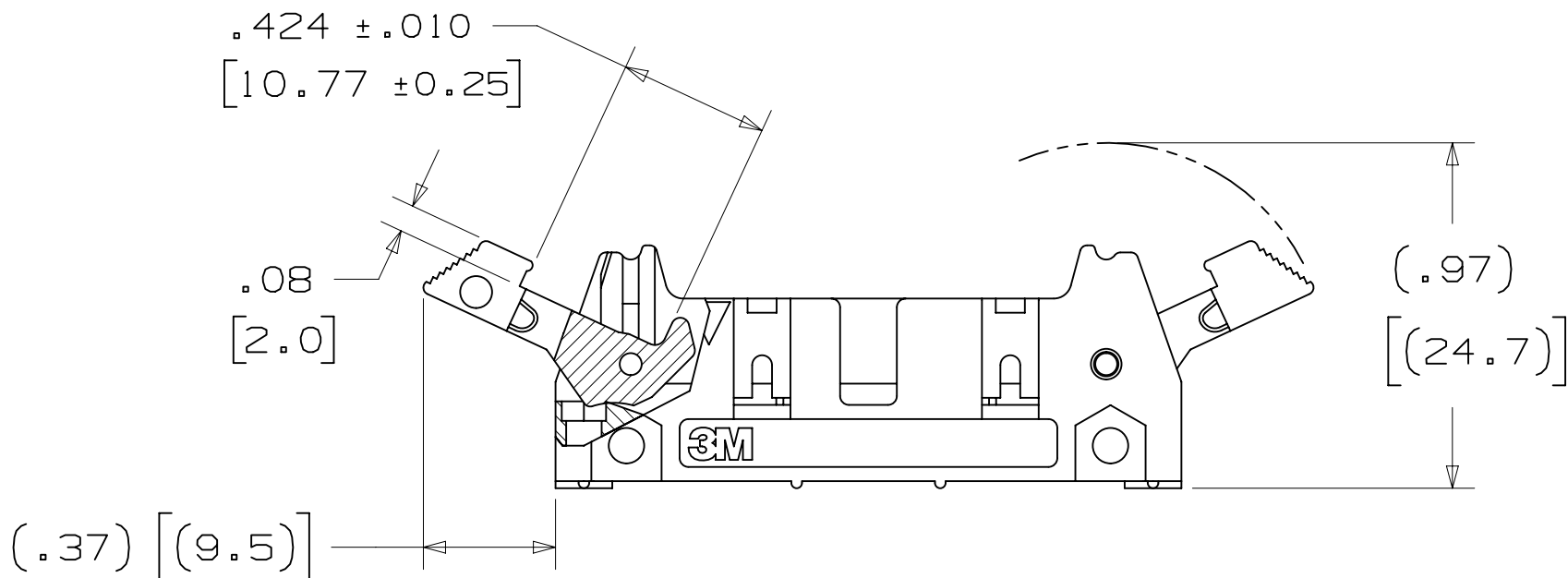


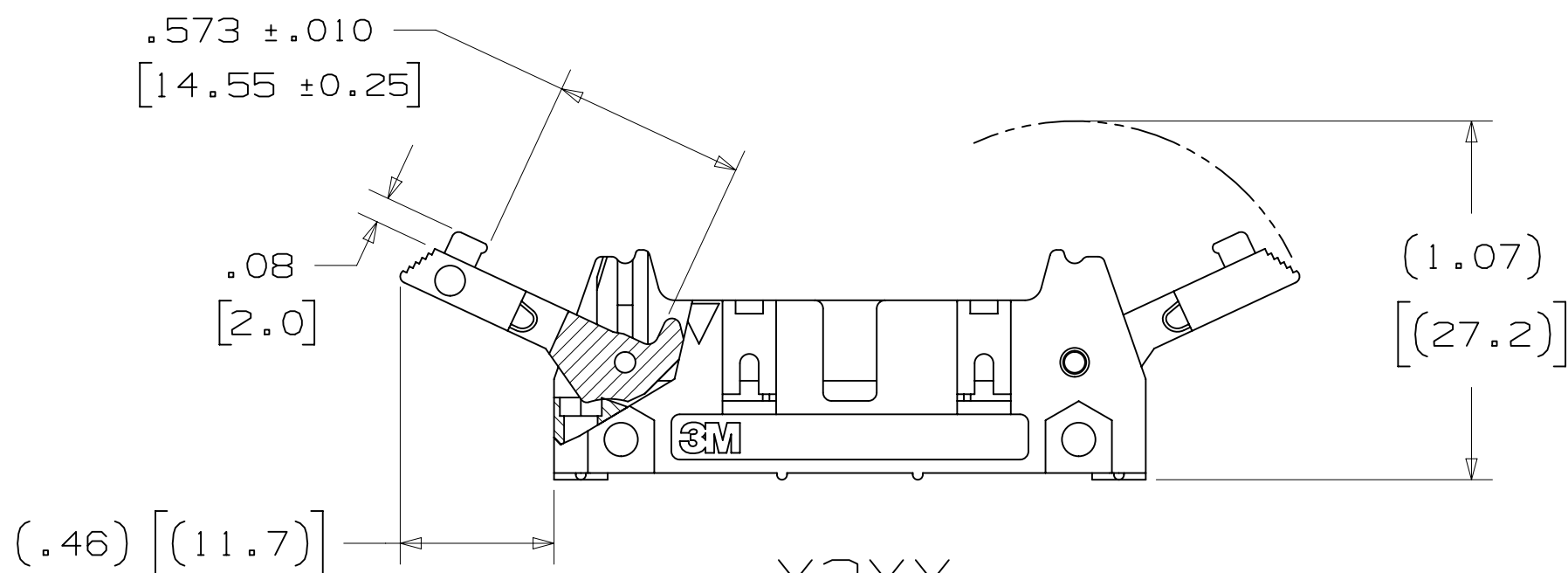
3M™ FOUR-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-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

2 PHYSICAL :

INSULATOR: GLASS FILLED POLYESTER (PCT)
MATERIAL: UL94V-0
FLAMMABILITY: 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 X 10⁹Ω 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)

ORDERING INFORMATION

N= HIGH TEMP BLACK (PCT)/(RB PLATING REQ'D)
BLANK= (UB PLATING)
3M PART NUMBER:
(SEE TABLE 1)

PIN CONFIGURATION:
5 = RIGHT ANGLE SOLDER TAILS
6 = STRAIGHT SOLDER TAILS

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)

TAIL:
02 = FOR .062 [1.57] THICK BOARD
03 = 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

3M ELECTRONIC MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3mconnectors.com>

3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

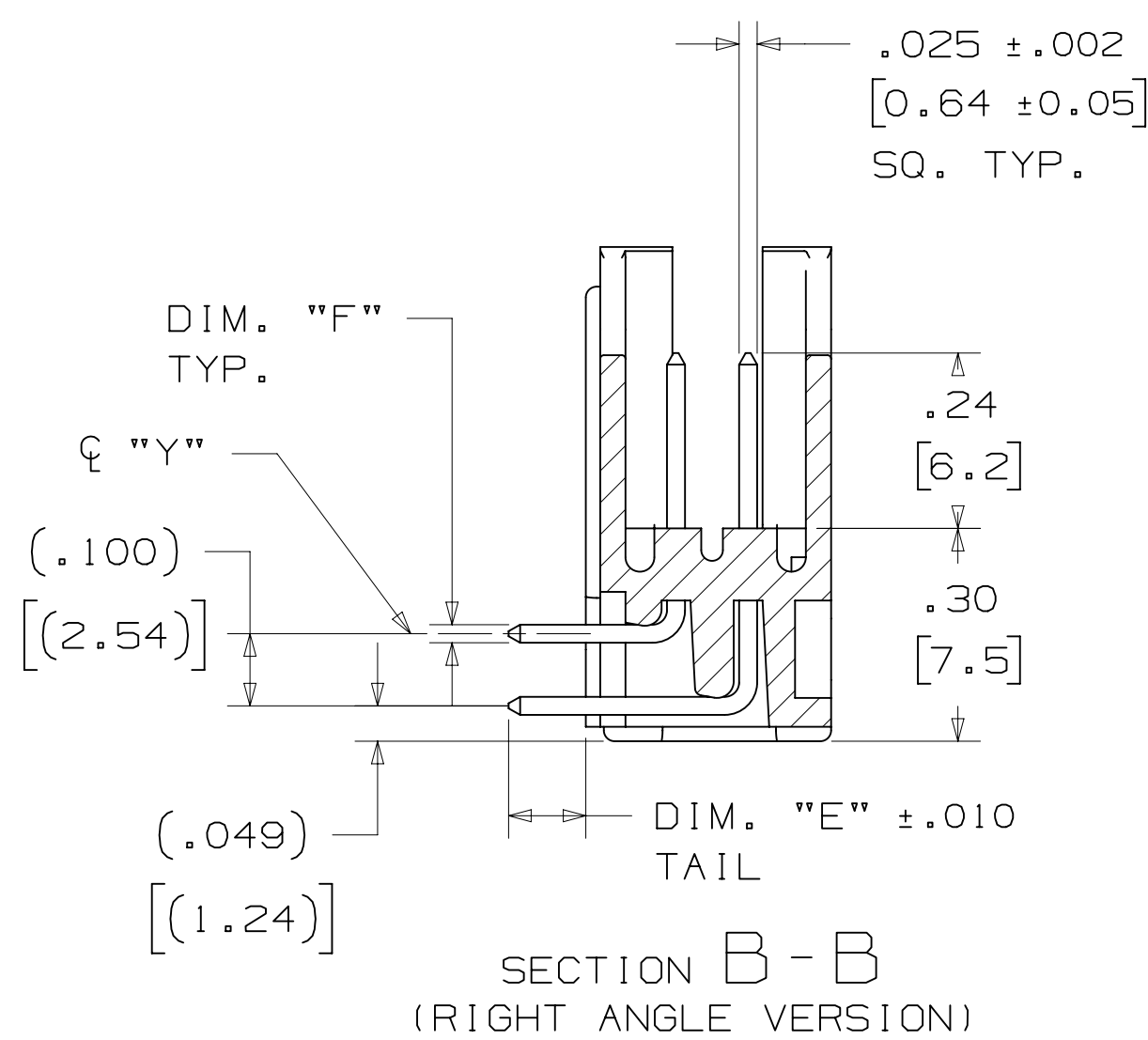
UL FILE NO: E68080

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

DESIGN REFERENCE	NEXT ASSEMBLY
DO NOT SCALE DRAWING	SCALE 2 1
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009
MAX SURFACE ROUGHNESS	0.00 ±.01 0.00 ±.005 0.000 ±.0000
MARKED ONLY	ANGLES

S	60056	MAR 06,2015	JNC	RS
R	56068	JUL 25,2014	JNC	RS
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DATE	DATE	DATE	DATE	DATE
JUL 25,2014	JUL 25,2014	JUL 25,2014	JUL 25,2014	JUL 25,2014
APPR	R. SCHERER	DATE	DATE	DATE
SEP 05,2014	SEP 05,2014	SEP 05,2014	SEP 05,2014	SEP 05,2014
TITLE	HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA	CAGE NUMBER	SIZE	DRAWING NO.
D	78-5100-0772-3	S		
MODEL	3000 SERIES	DET	YES	NO
SHT	1	OF	4	

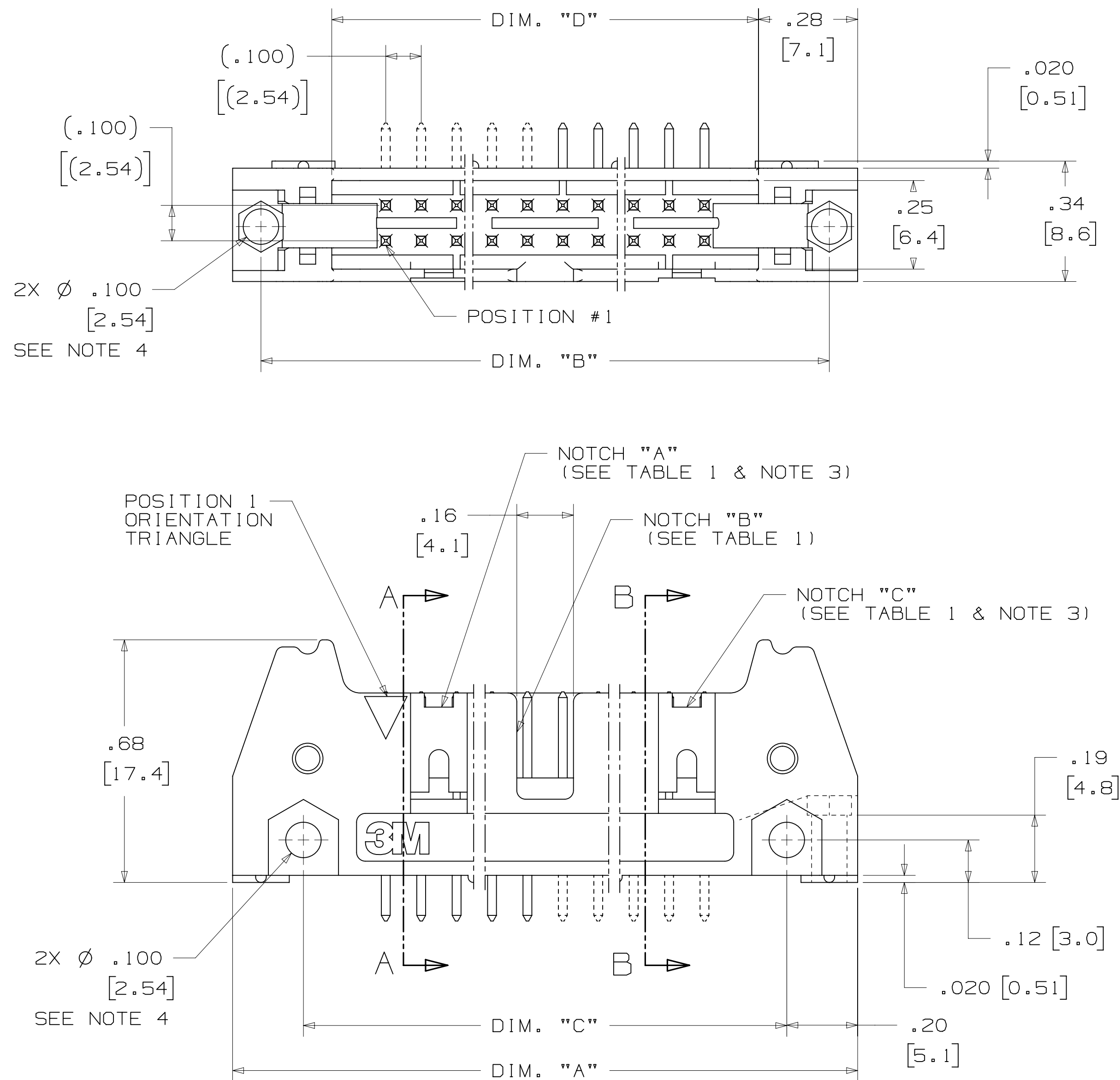
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



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	
ASSEMBLY CODES				REV		CASTIGLIONE		JUL 25, 2014		MFG		DATE	
				CHKD				DATE		APPRV		SEP 05, 2014	
										R. SCHERER			
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 4 1		TOLERANCES EXCEPT AS NOTED									
 THIRD ANGLE PROJECTION				INCHES .00 ± .01 .000 ± .005 .0000 ±		TITLE		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA					
INTERPRET PER ASME Y14.5 - 2009				MILLIMETERS 0 ± .3 .00 ± .13 .000 ±		CAGE NUMBER		SIZE DRAWING NO. D 78-5100-0772-3					
MAX SURFACE ROUGHNESS MIN SURFACES ☒ MARKED ONLY				ANGLES		MODEL		DET. TESTS ☐ YES ☒ NO SHT 2 OF 4					

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



THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

```
* SELECTIVE PIN REMOVAL (ATA OR OTHER COMPATABILITY)
* WIRE WRAP TAILS STYLE
```



NOTE:
SNAP-IN LATCHES CAN ONLY BE ORDERED
SEPARATELY AND ARE THE CUSTOMERS
RESPONSIBILITY TO INSTALL.

NOTE:
INSERT POST INTO ONE MOUNTING
HARDWARE HOLE ON BOTTOM OF HEADER.
SET POST TO PROTRUDE .115 [2.92]

KINKED TAIL DETAIL:

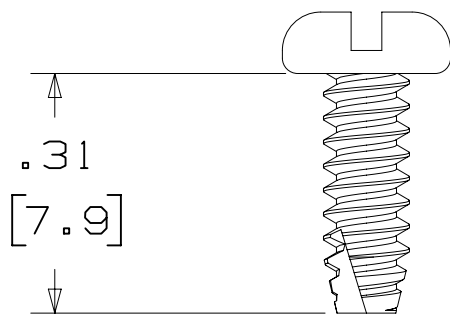
- KINK IS LOCATED .05" BELOW BOTTOM SURFACE OF PLASTIC.
- EXTERNAL RADIUS OF KINK TOWARD PART CENTERLINE.

NOTE :
#2216 B/A SCOTCHWELD CAN BE USED TO
ADHERE KEYS.

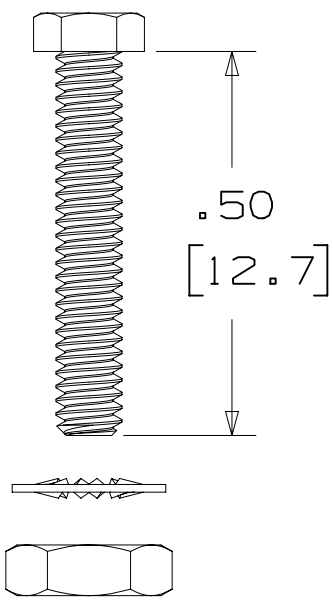
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	TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA	
CAGE NUMBER	DRAWING NO. D 78-5100-0772-3	REV. S
MODEL	3000 SERIES	
DET. ☐ LISTS ☐ YES ☒ NO ☐ SHT ☐ 3 OF 4		

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

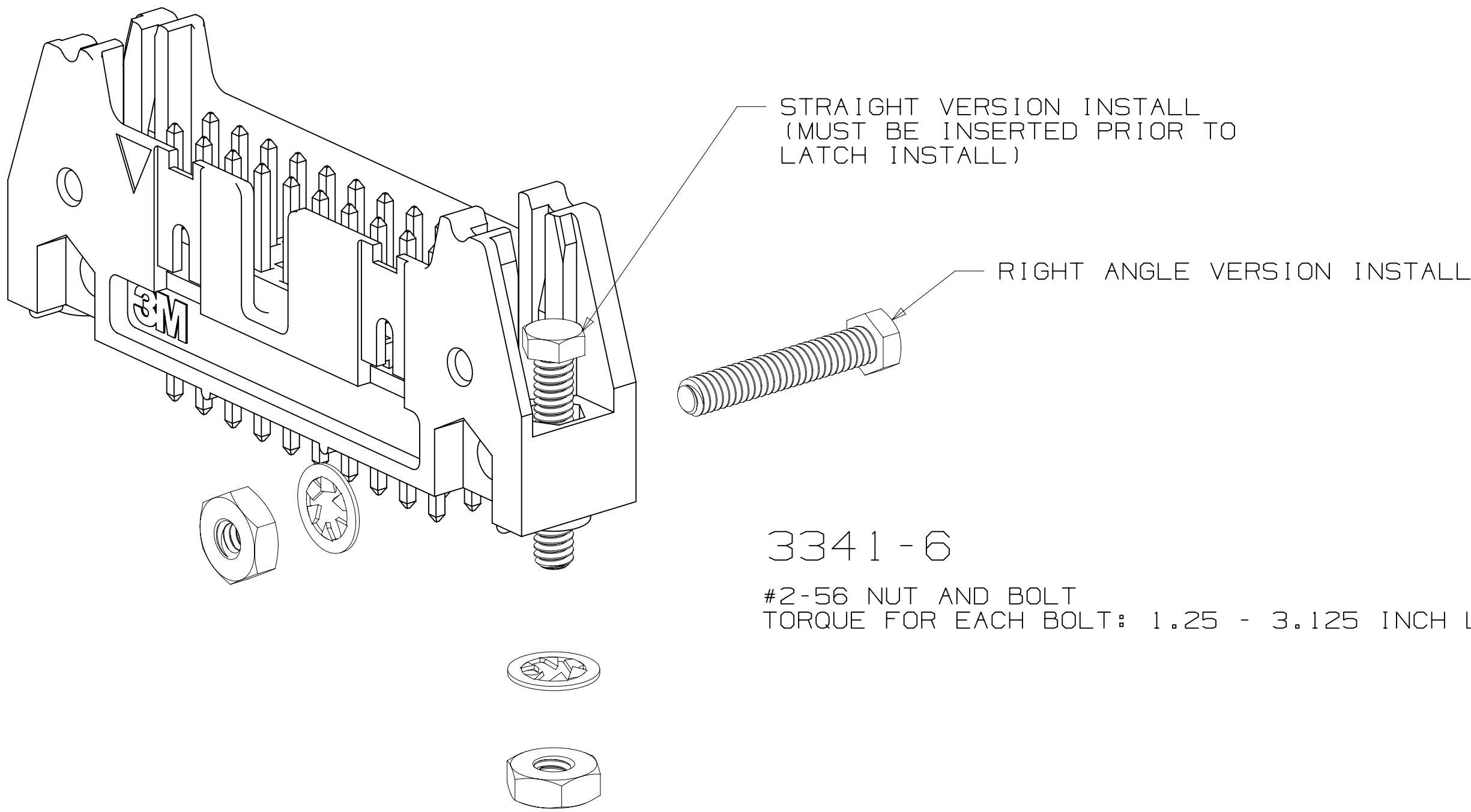
MOUNTING HARDWARE



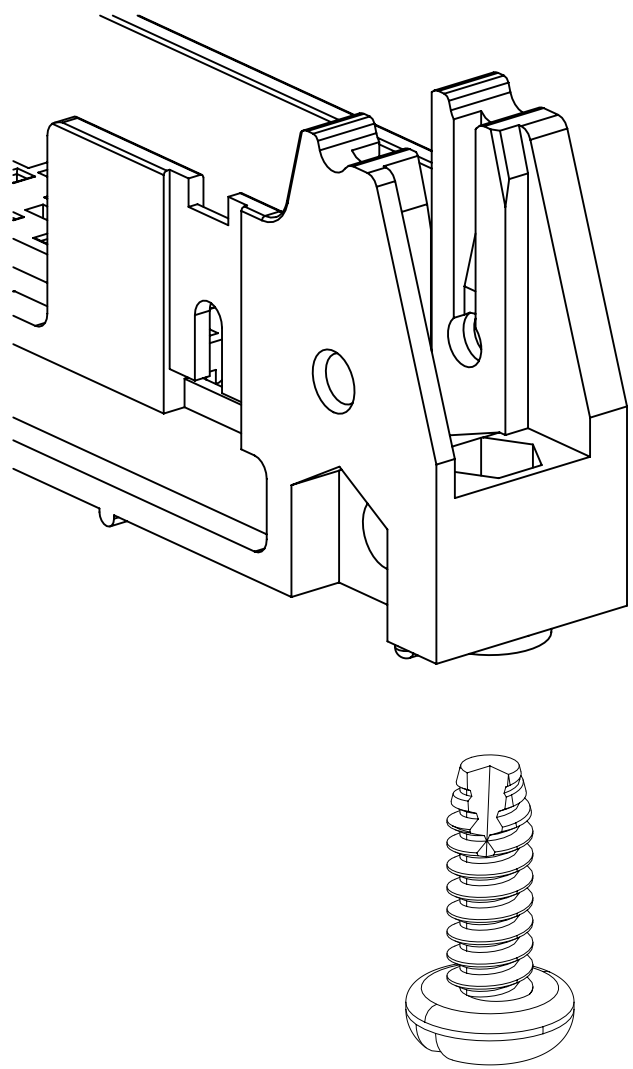
3341-5
(INSTALL FROM BOTTOM OF BOARD)
PANHEAD THREAD CUTTING SCREW:
#4-24 X 5/16"
TYPE: USA STD BT, FEDERAL BG
MATERIAL: STAINLESS STEEL



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

S		600568		MAR 06, 2015		JNC		RS			
R		56068		JUL 25, 2014		JNC		RS			
DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACROSS CODES				DRFT		CASTIGLIONE		DATE		JUL 25, 2014	
				CHKD		DATE		MFG		DATE	
						APPROV		R. SCHERER		DATE	
										SEP 05, 2014	
DIVISION		DIVISION CODE		EMSD		3M		© 3M COPYRIGHT 2015			
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DO NOT SCALE DRAWING		SCALE 4 1		INCHES .00 ± .01 .000 ± .0005 .0000 ±		TITLE		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
THIRD ANGLE PROJECTION				MILLIMETERS 0 ± .0 .00 ± .13 .000 ±		CAGE NUMBER		D 78-5100-0772-3		REV.	
INTERPRET PER ASME Y14.5 - 2009				ANGLES		SIZE		DRAWING NO.			
MAX SURFACE ROUGHNESS						MODEL		3000 SERIES		DET.	
MARKED ONLY										LISTS	
										YES NO	
										SHT 4 OF 4	