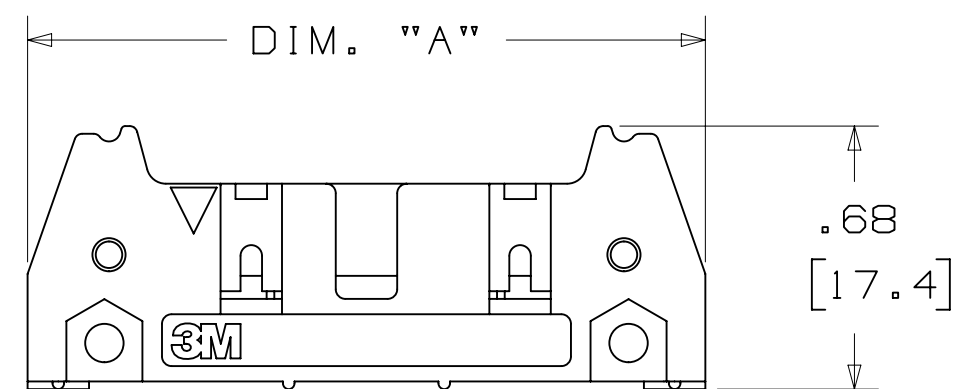
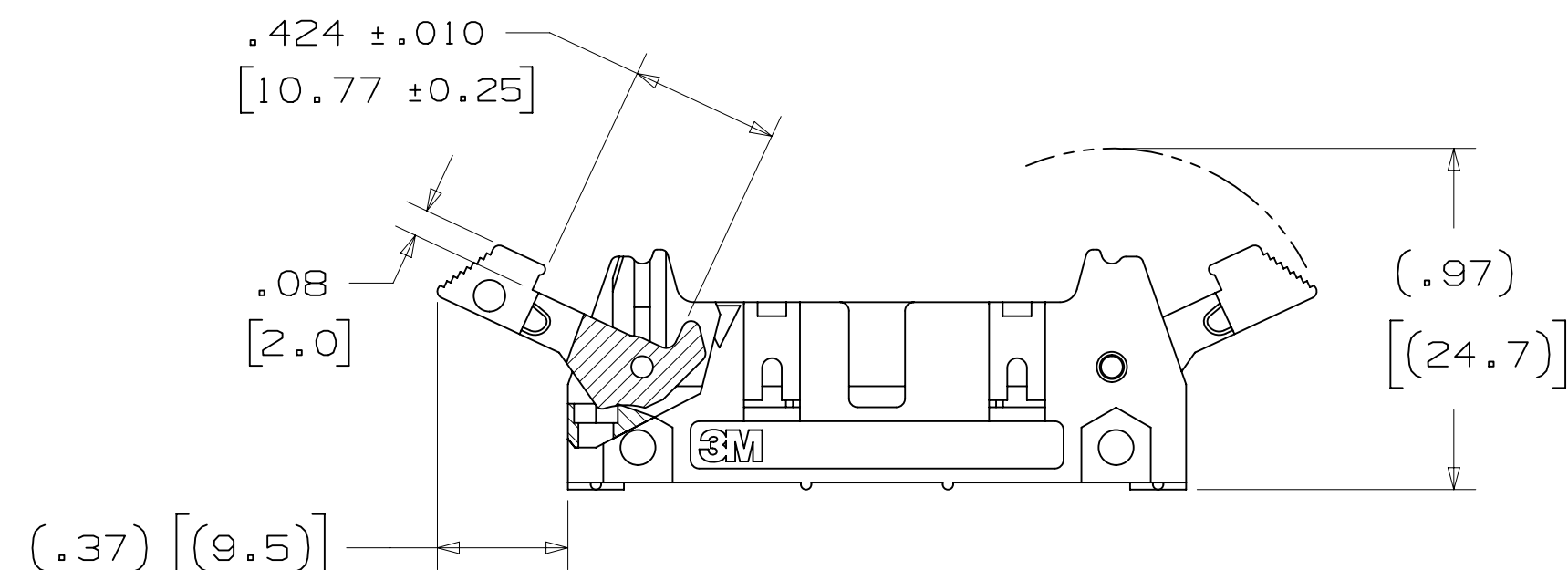


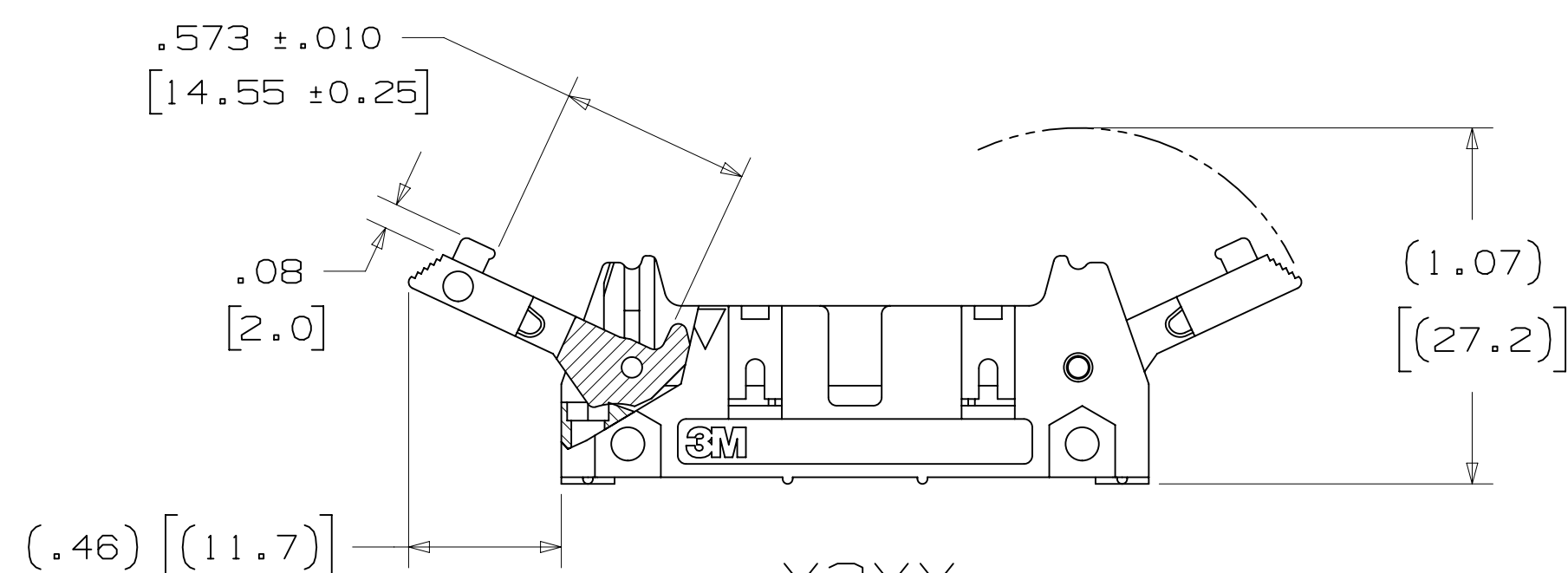
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-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

X3XXXX-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)

```

-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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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

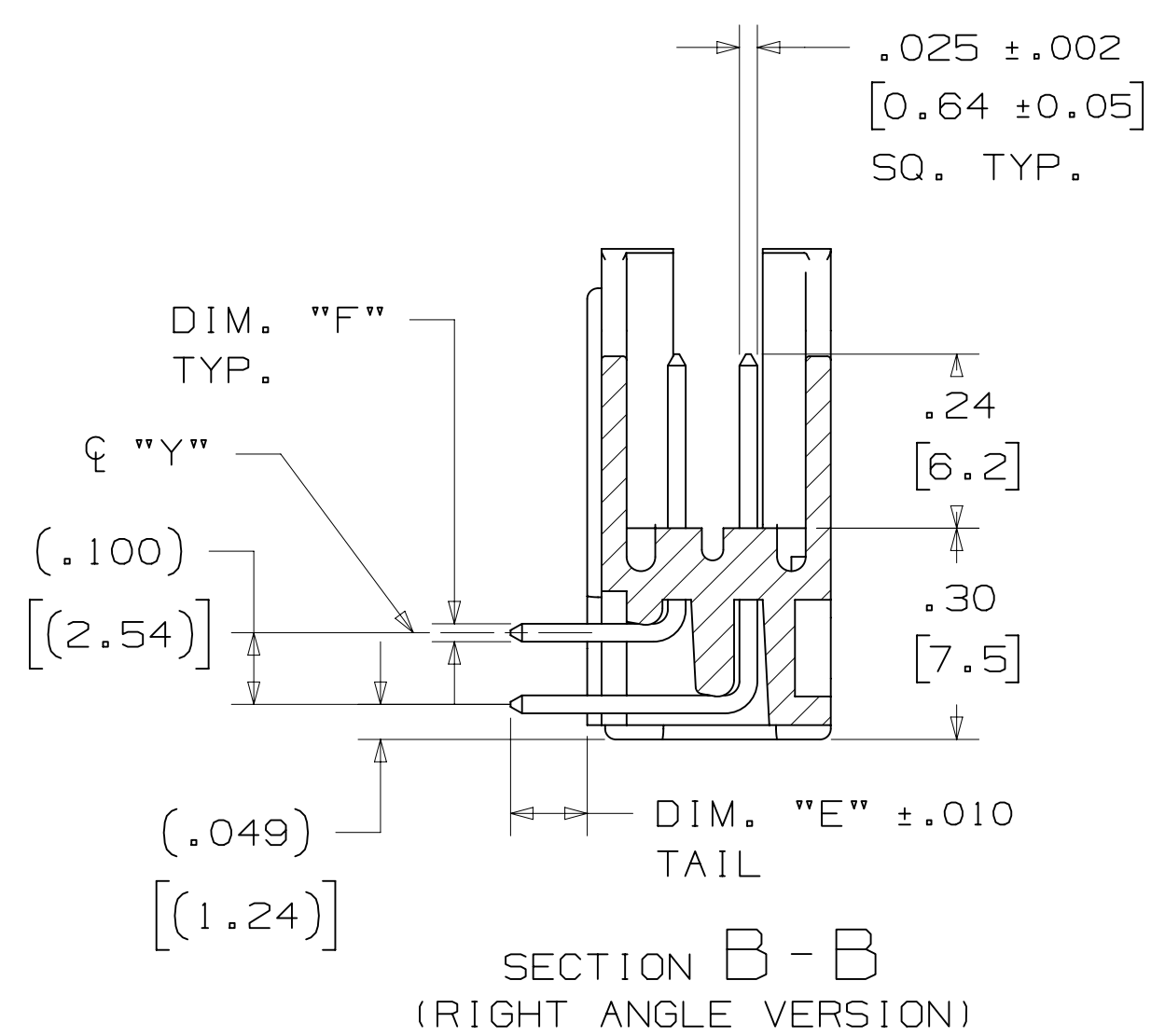
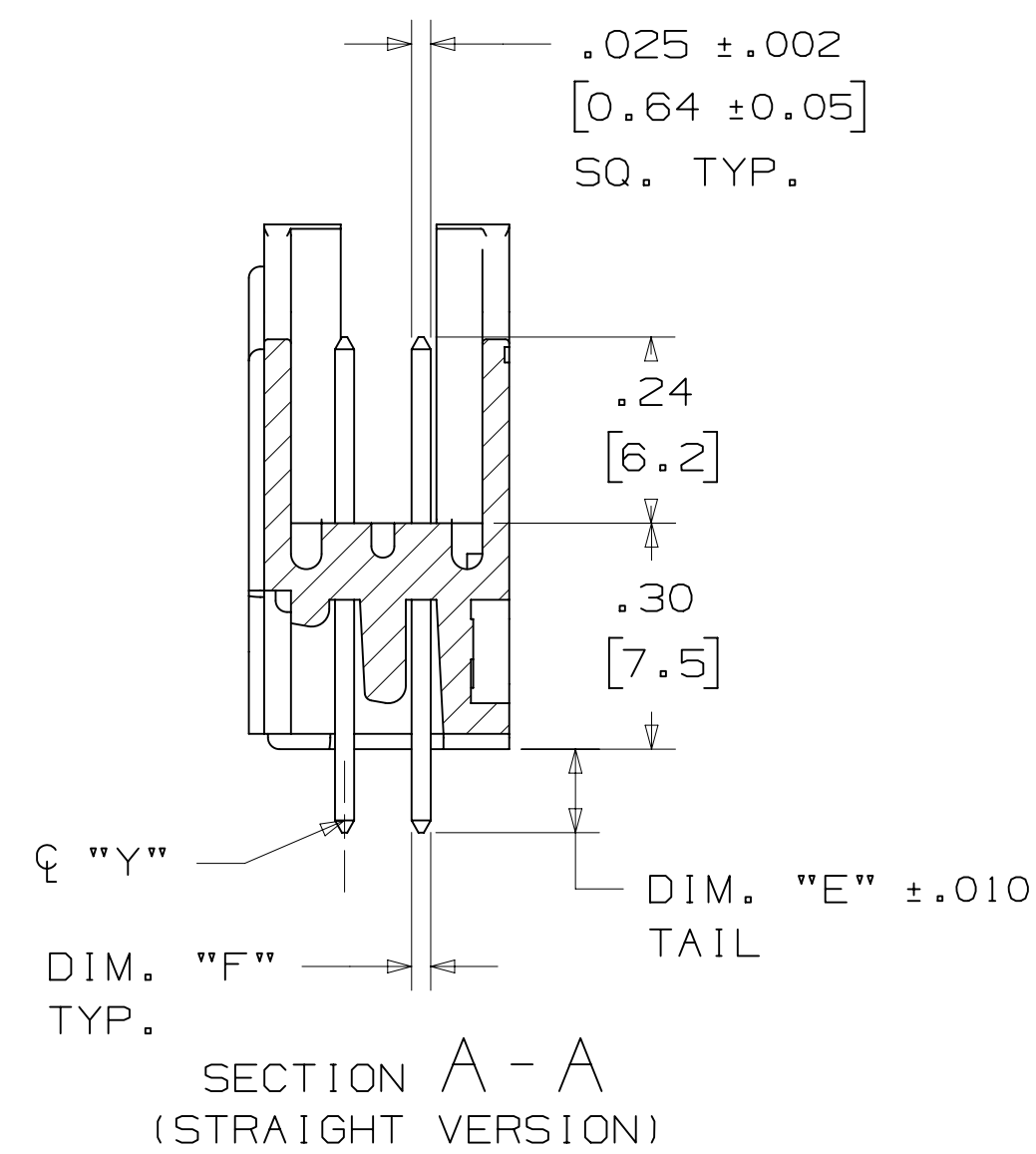
UNITS: INCHES [MM] 1 IS REF. ONLY		R 56068	JUL 25, 2014	JNC	RS
DESIGN REFERENCE		REVISED AND REDRAWN			
NEXT ASSEMBLY		REV ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
ADDRESS CODES		DATE CASTIGLIONE	MFG JUL 25, 2014	DATE	DATE
DIVISION		CHKD	DATE	APPRV. R. SCHERER	DATE SEP 05, 2014
DIVISION CODE Interconnect Solutions		© 3M COPYRIGHT 2015			
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		3M 3M Center St. Paul, MN 55144 This document and its contents 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 0.0000 ± .001		TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
MILLI METERS 0.0000 ± .13		CASE NO. D78-5100-0772-3			
MAX. SURFACE ROUGHNESS 0.0000 ± .13		SIZE 3000 SERIES			
SURFACES 0.0000 ± .13		DRAWING NO. D78-5100-0772-3			
ANGLES 0.0000 ± .13		REV. 1			
MARKED ONLY		DEF. LISTS YES X NO SHT 1 OF 1			

UL[®]
US
UL FILE NO: E68080

A

3M™ FOUR-WALL HEADER, 3000 SERIES

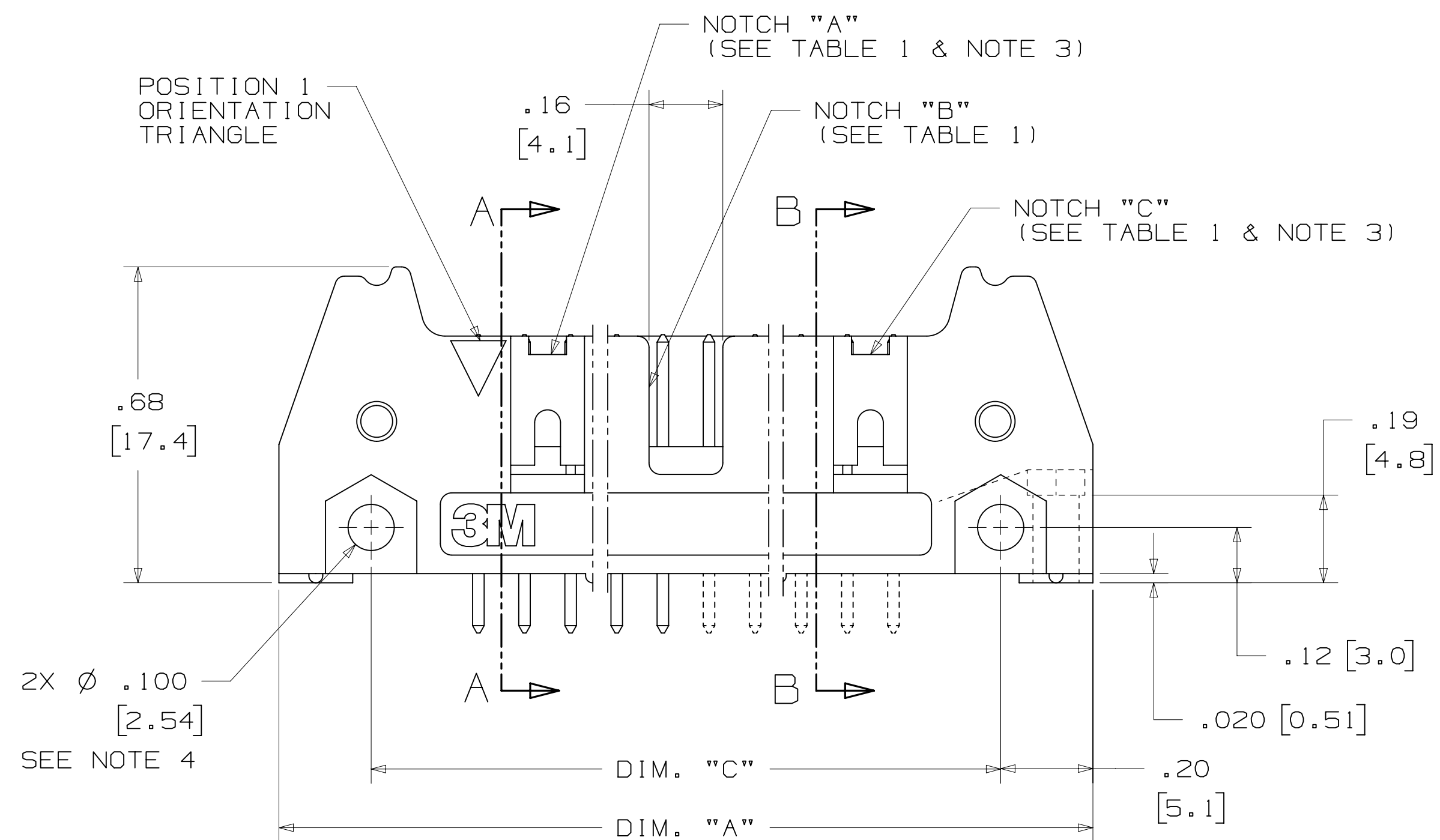
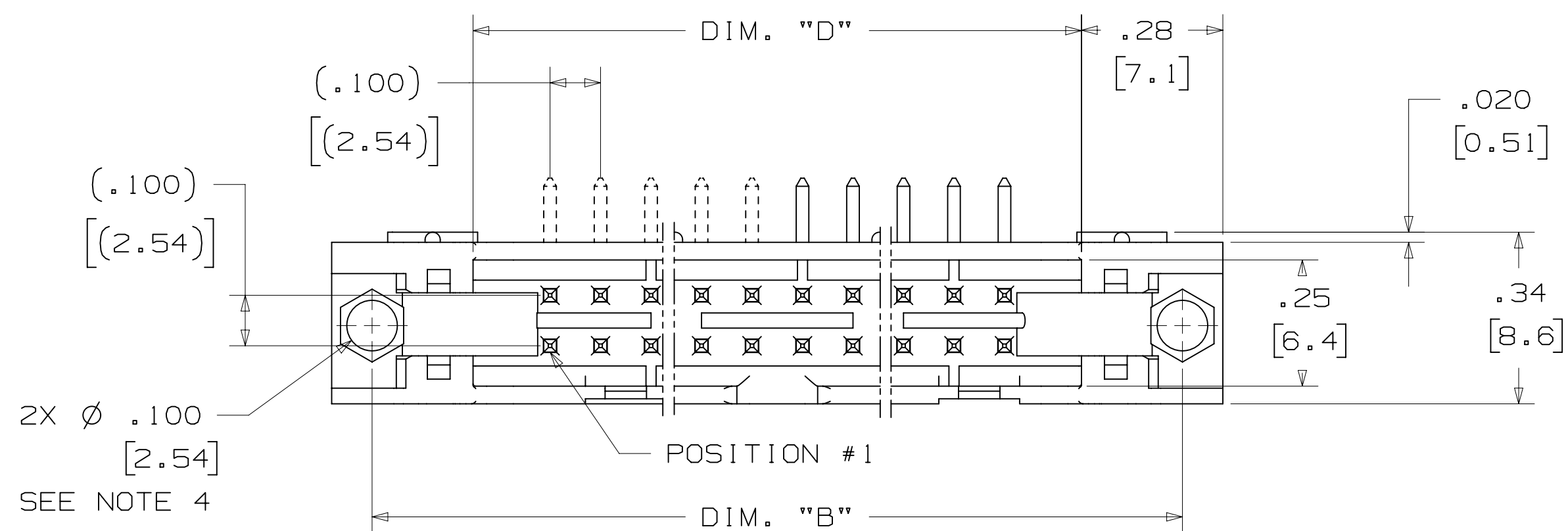
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



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						



R 56068		JUL 25, 2014		JNC	RS
REVISED AND REDRAWN					
ASSEMBLY REF	ECO	ISSUE DATE	DESCRIPTION	DRFT	CHKD
ADDRESS CODES		DATE	MFG		
		DATE			
DIVISION		CHGD	APPROV.	DATE	
Interconnect Solutions			R. SCHERER	SEP 05, 2014	
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THIRD ANGLE PROJECTION		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
INTERPRET PER ASME Y14.5 - 2009		CAGE NUMBER SIZE DRAWING NO. REV.			
MAX SURFACE ROUGHNESS		78-5100-0772-3			
MAX SURFACES		MODEL 3000 SERIES			
☒ MARKED ONLY		DET. 115 YES ☐ NO ☒ SHT 2 OF 4			

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



RECOMMENDED MOUNTING HOLE PATTERN
(STRAIGHT VERSION)



RECOMMENDED MOUNTING HOLE PATTERN
(RIGHT ANGLE VERSION)

PART CUSTOMIZATION

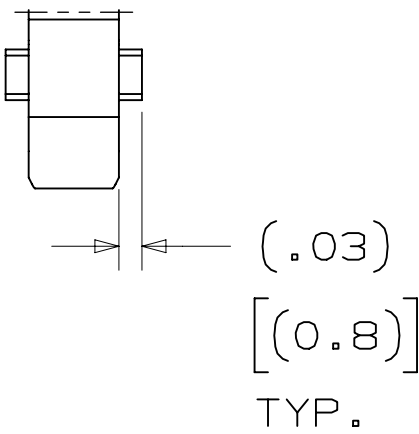
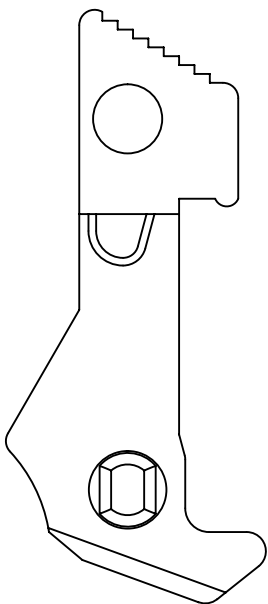
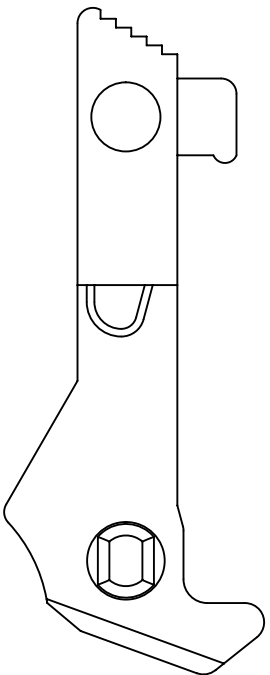
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

3M HAS SEVERAL CAPABILITIES THAT CAN PROVIDE A PART TAILORED TO YOUR SPECIFIC NEEDS. ASK YOUR 3M SALES REPRESENTATIVE OR CUSTOMER SERVICE FOR MORE DETAILS.

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.

MATERIAL	SHORT LATCH	LONG LATCH	LATCH STYLE	COLOR
HIGH TEMP. (PCT)	N3505-2B	N3505-3B	ROLL PIN	BLACK
HIGH TEMP (PPA)	N3505-30B	N3505-31B	SNAP-IN	BLACK

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

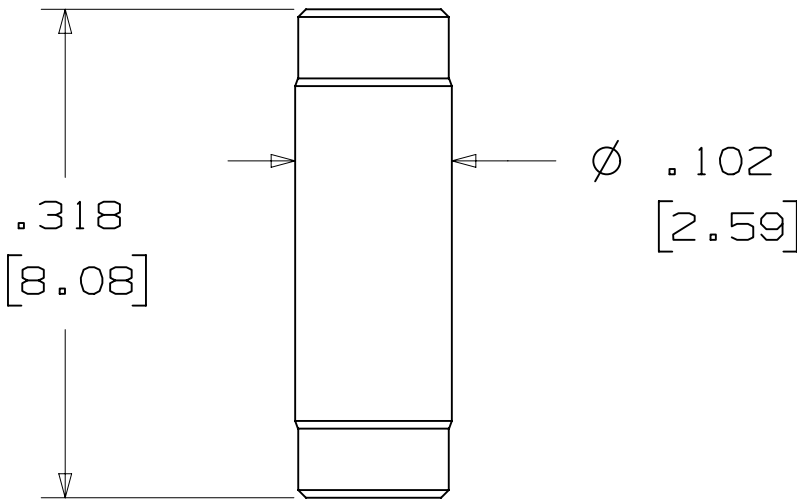


LONG SHORT

SNAP-IN LATCHES

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

POLARIZING POST



3M PART NO.	MATERIAL	COLOR
3201-4	LCP	BLACK

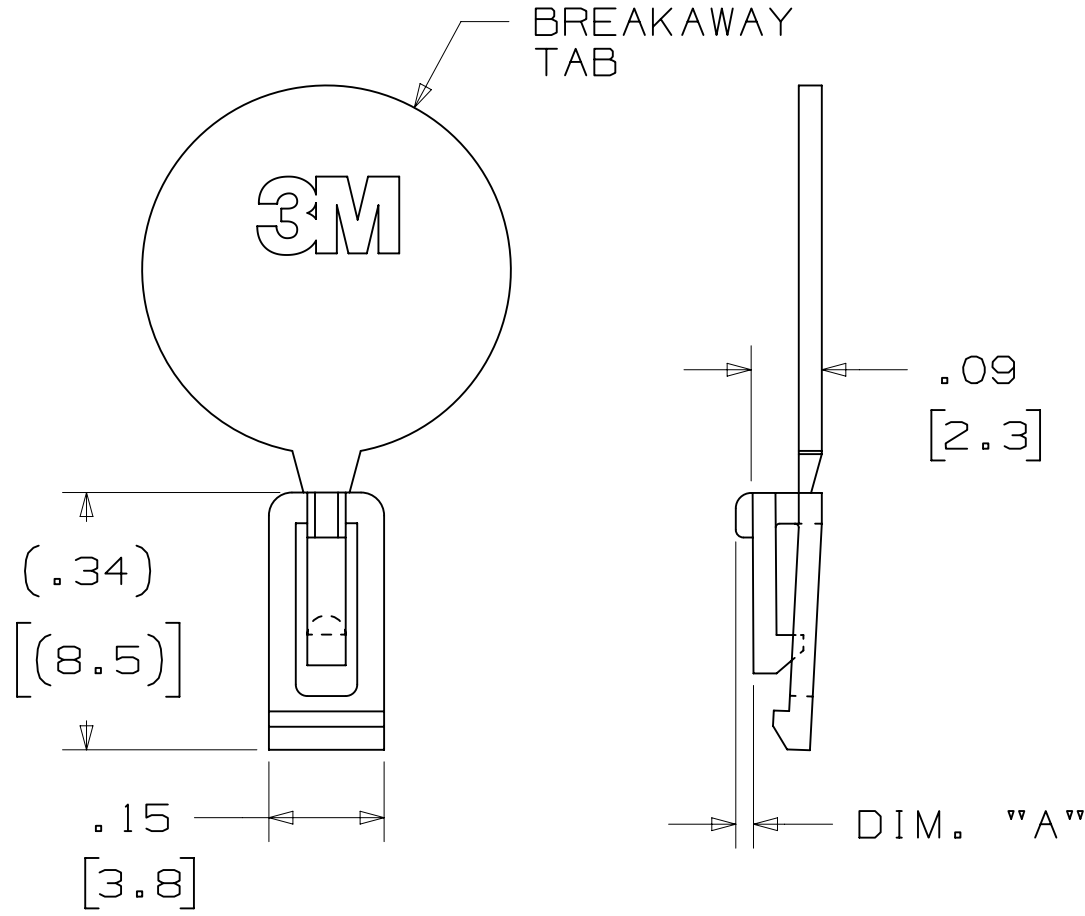
NOTE:
INSERT POST INTO ONE MOUNTING HARDWARE HOLE ON BOTTOM OF HEADER. SET POST TO PROTRUDE .115 [2.92]

K2 OPTION

2500 & 3000 SERIES SHROUDED HEADER						
TOTAL NO. OF PINS	NO. OF TAILS KINKED	POSITIONS KINKED				
10	4	3	4	7	8	
14	4	3	4	11	12	
16	4	3	4	13	14	
20	4	3	4	17	18	
24	4	3	4	21	22	
26	4	3	4	23	24	
30	4	5	6	25	26	
34	4	7	8	27	28	
36	4	7	8	27	28	
40	4	7	8	33	34	
50	4	7	8	43	44	
60	4	11	12	49	50	
64	4	11	12	53	54	

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

POLARIZING KEYS



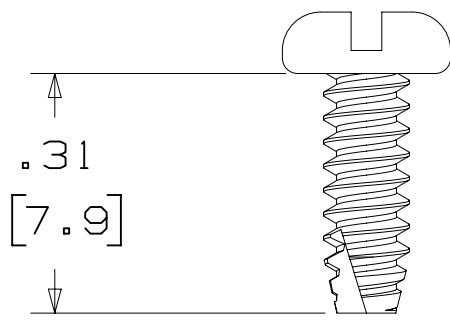
3M PART NO.	MATERIAL	COLOR	DIM. 'A'
N3518	LCP	BLACK	.02

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

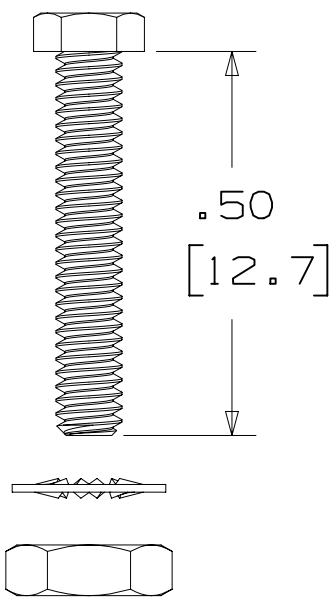
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REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT	CHKD	
DIVISION		DIVISION CODE		DATE		DATE	DATE	
Interconnect Solutions		EMSD		JUL 25,2014		SEP 05,2014		
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION		INCHES .00 ±.01 .000 ±.0005 .0000 ±		MILLIMETERS 0 ± .0 ±.3 .00 ±.13 .000 ±				
INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS 12.5 SURFACES		MARKED ONLY				
CAGE NUMBER		SIZE		DRAWING NO.		REV.		
D		78-5100-0772-3		R				
MODEL		3000 SERIES		DET		SHT 3 OF 4		

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

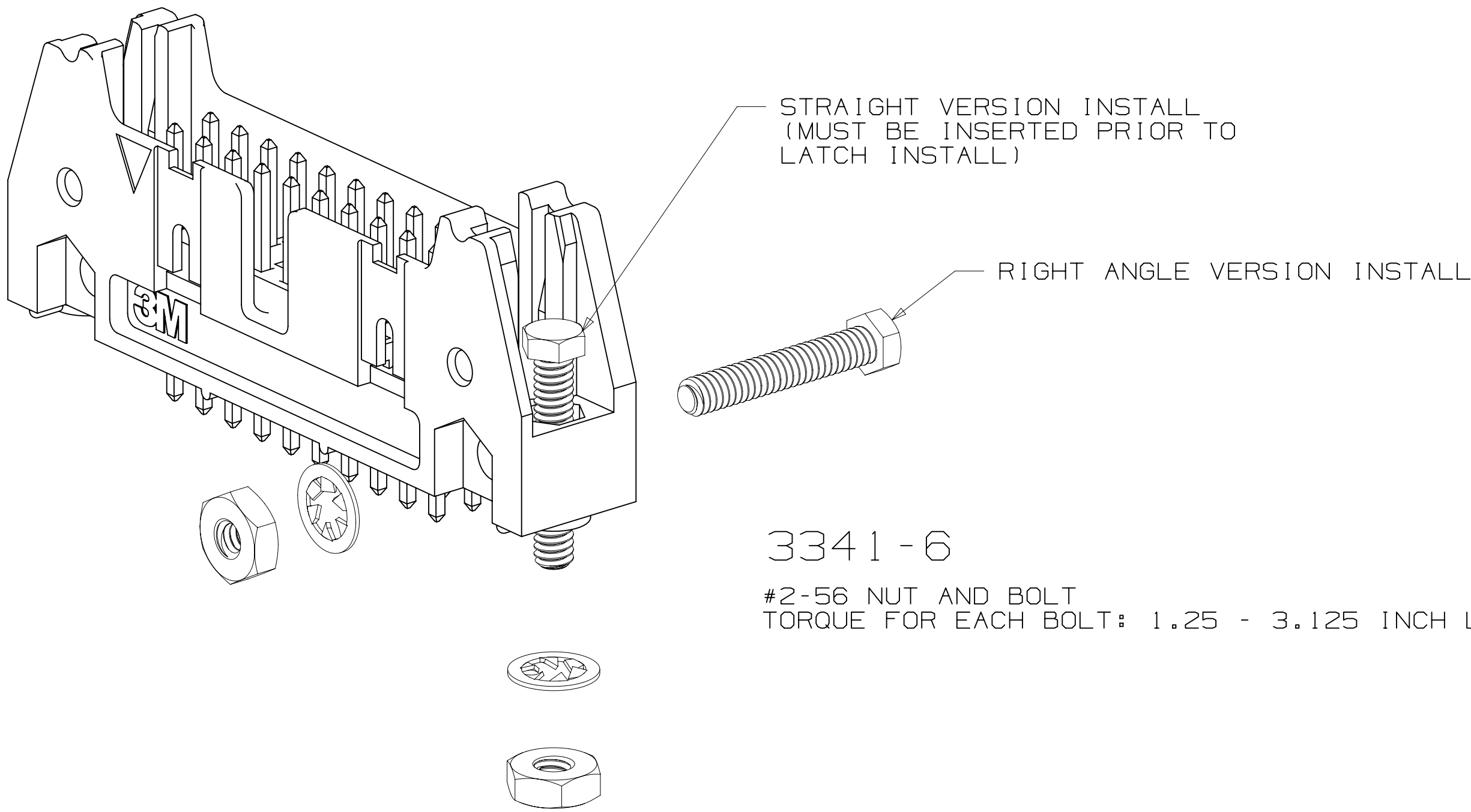
MOUNTING HARDWARE



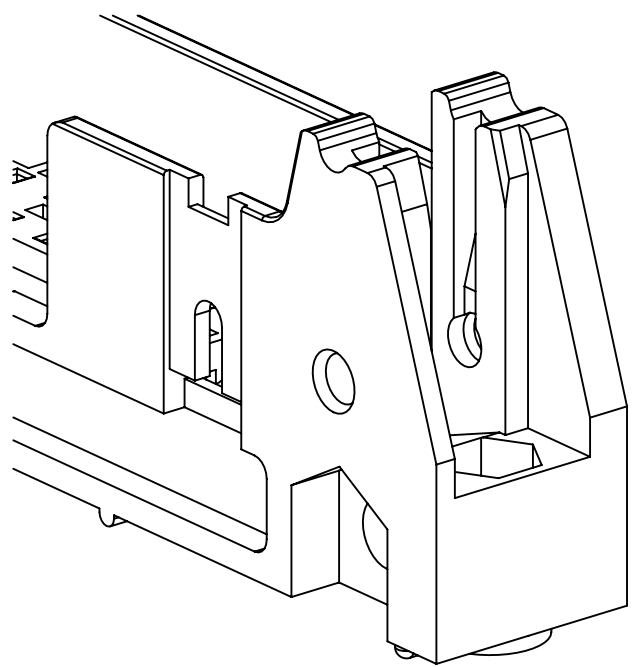
3341-5
(INSTALL FROM BOTTOM OF BOARD)
PANHEAD THREAD CUTTING SCREW:
#4-24 X 5/16"
TYPE: USA STD BT, FEDERAL BG
MATERIAL: STAINLESS STEEL



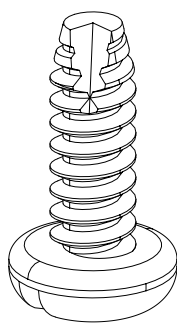
3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



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

R		56088		JUL 25, 2014		JNC		RS			
DESIGN REFERENCE				NEXT ASSEMBLY							
REV		ECO		ISSUE DATE AND DESCRIPTION				DRFT		CHKD	
CHG		CASTIGLIONE		DATE		25, 2014		MFG		DATE	
CHG				DATE				APPR		DATE	
								R		SCHERER	
								SEP		05, 2014	
DIVISION		EMSD		DIVISION CODE							
Interconnect Solutions											
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED							
				INCHES							
				.00 ± .01							
				.0000 ± .005							
THIRD ANGLE PROJECTION				MILLIMETERS							
INTERPRET PER ASME Y14.5 - 2009				.00 ± .1							
				.00 ± .13							
				.000 ± .005							
MAX SURFACE ROUGHNESS				ANGLES							
MARKED ONLY											