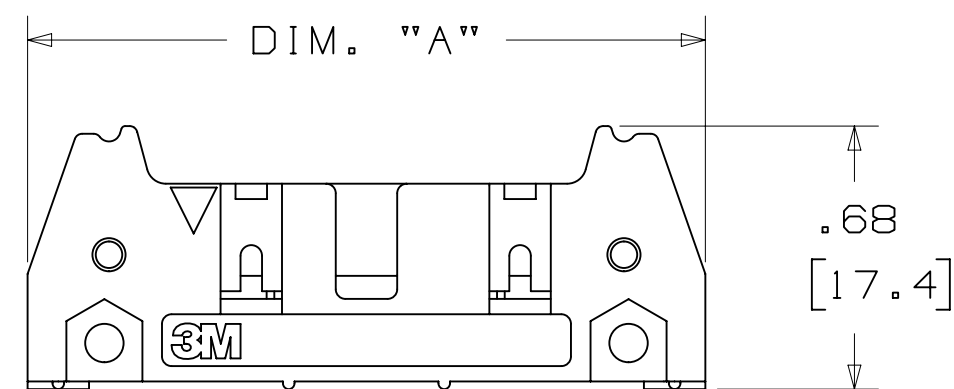
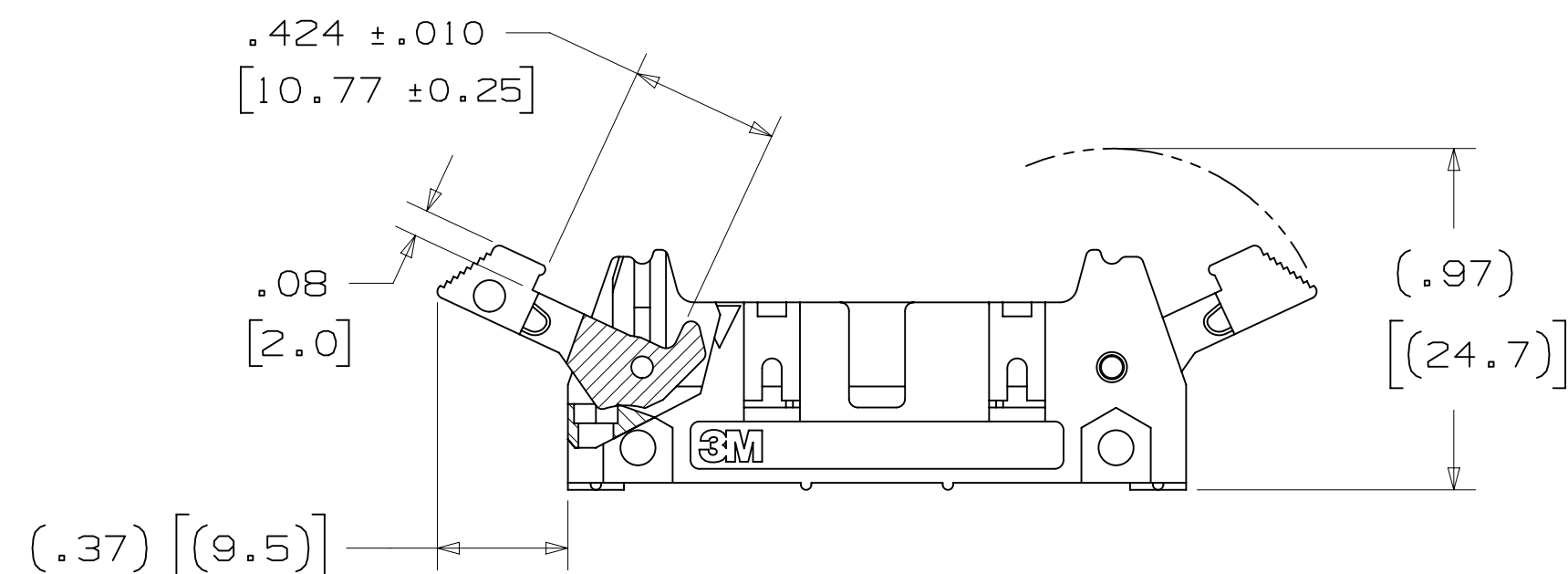


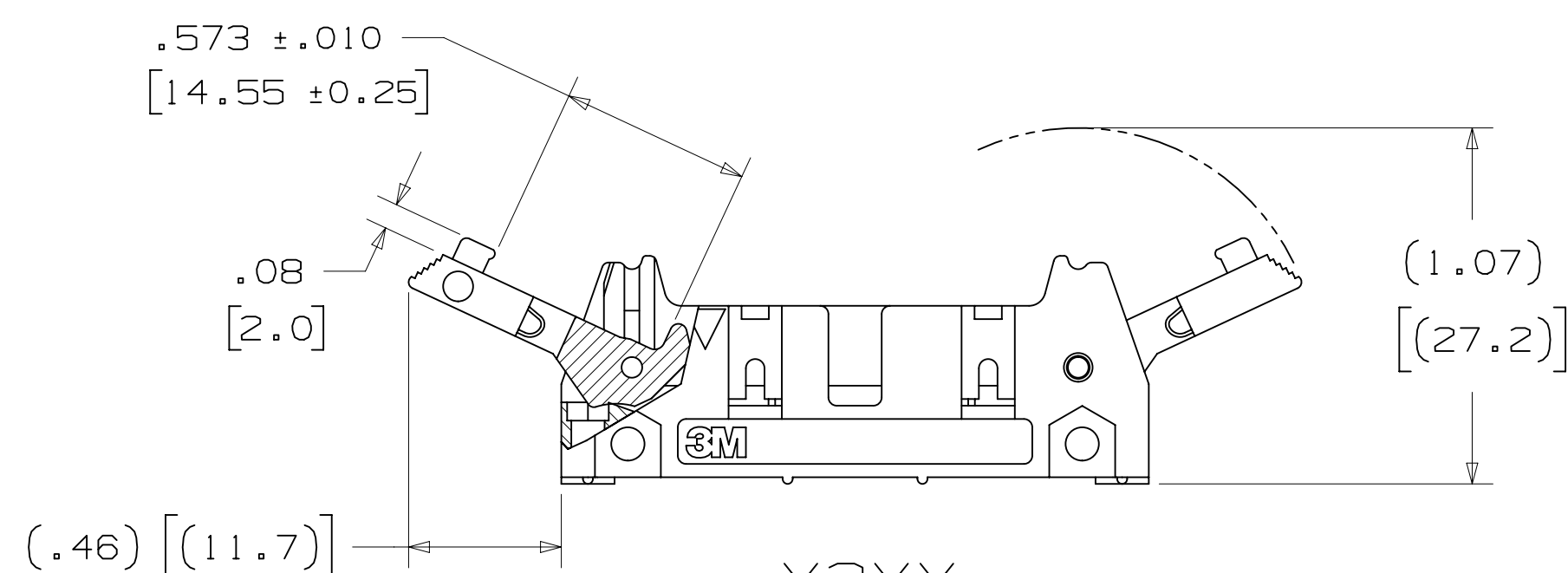
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-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

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

TAIL:
02 = FOR .062 [1.57] THICK BOARD
03 = FOR .094 TO .125 [2.39 TO 3.18] THICK BOARD
05 = WWT FOR UP TO 3 LEVELS OF WIRE WRAP
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 IS A TRADEMARK OF 3M COMPANY.
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 ] AVG. 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: 0

EIA 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
UL CURRENT RATING: 1.0A ALL LINES POWERED
UL VOLTAGE RATING: 125V

2 ENVIRONMENTAL:

UL TEMPERATURE RATING: 130C
EIA 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	
ADDRESS		CODE		CHKD	DATE		ASPLY	DATE	
DIVISION		DIVISION CODE		DATE		R. SCHERER		SEP 05, 2014	
Interconnect Solutions		EMSD		© 3M COPYRIGHT 2016					
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SCALE $\frac{2}{1}$				TITLE		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
		INCHES .00 ± .00 ±.01 .000 ±.005 .0000 ±		MILLIMETERS 0 ± 0.00 ±.13 0.00 ±					
THIRD ANGLE PROJECTION				CAGE NUMBER		SIZE		DRAWING NO.	REV.
INTERPRET PER ASME Y14.5 - 2009				D		D78-5100-0772-3		T	
MAX. SURFACE ROUGHNESS ✓  MAX. SURFACES □ MARKED ONLY		ANGLES		MODEL		3000 SERIES		DET. ☒ LISTS ☒ YES ☒ NO SHT 1 OF 4	

UL[®]
US
UL FILE NO: E68080

Imaged: T.2 7/12/2016 8:14 AM UTC-05:00

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

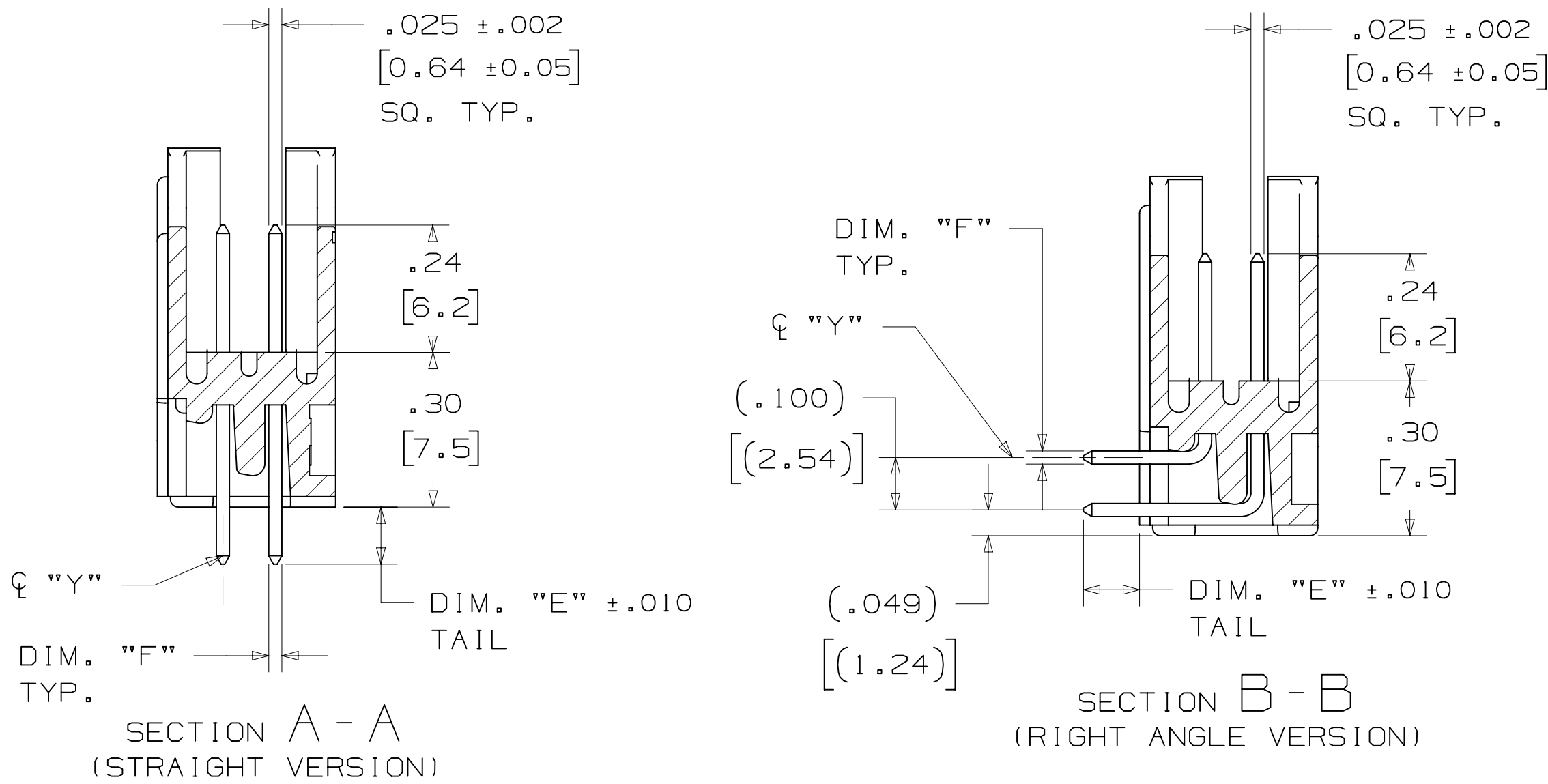
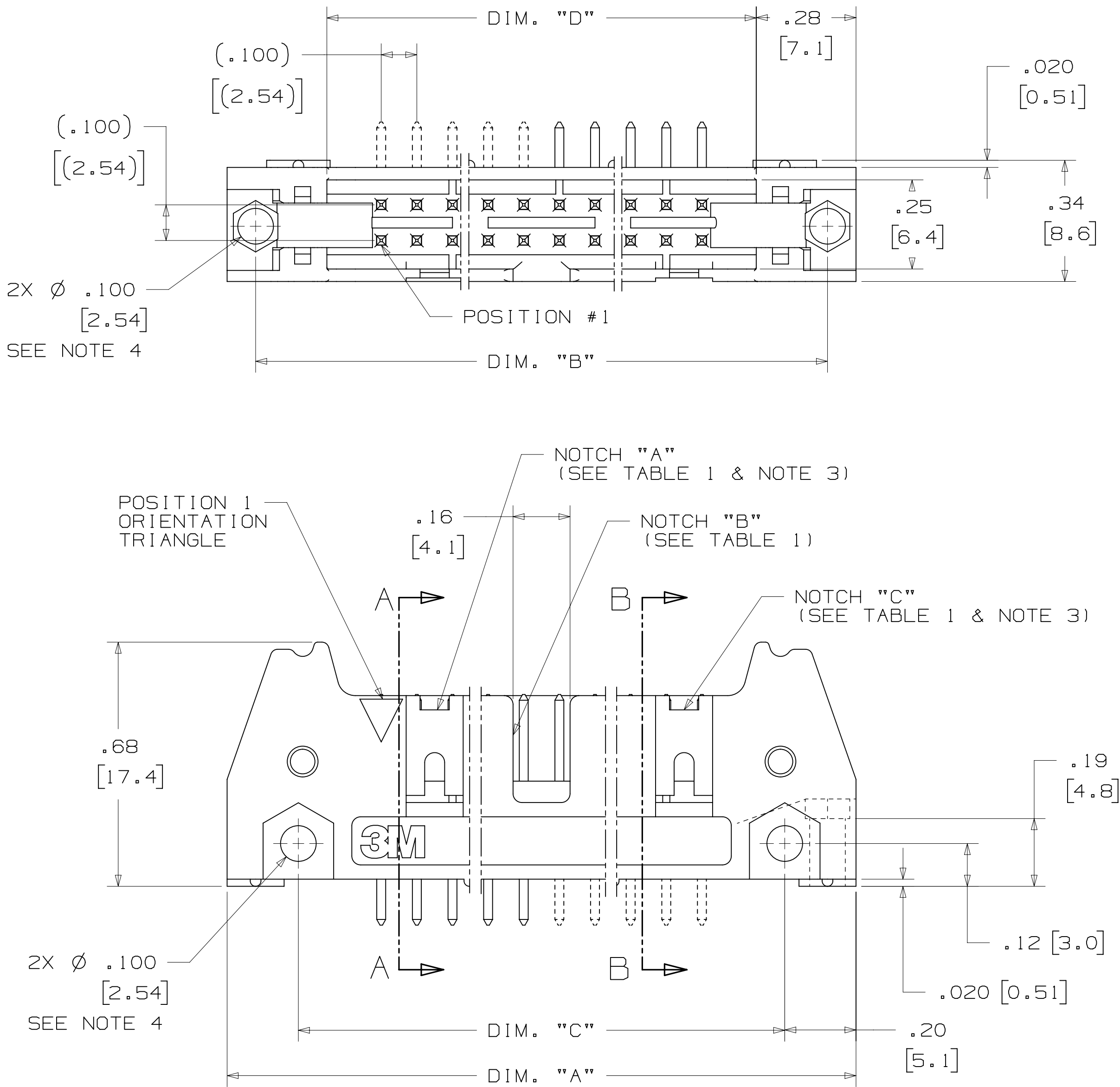


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
06	3869	1.06 [27.0]	.905 [22.99]	.665 [16.89]	.51 [12.9]	B*	06
08	3889	1.16 [29.5]	1.005 [25.53]	.765 [19.43]	.61 [15.5]	B*	08
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	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"
			DIM. "F"	DIAGONALS	CORNER RADIUS	
-5XX2	.062 [1.57] THICK PC BOARD	.112 [2.84]	.0245+/- .0005 [.622]	.028+/- .001 [.71]	.0075 [.191] REF.	.035+/- .003 [.89] SEE NOTE 5
-6XX2						
-5X03	.094 [2.39] TO .125 [3.18] THICK PC BOARD	.155 [3.94]	.0245+/- .0005 [.622]	.028+/- .001 [.71]	.0075 [.191] REF.	.035+/- .003 [.89]
-6X03						
-5X05	WIRE WRAP TAIL FOR UP TO 3 LEVELS OF WIRE WRAP	.61 [15.5] REF.	.0250+/- .002 [.635]	.035+/- .003 [.89]	.003 [.08] MAX.	.045+/- .003 [1.14]



DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
3M Center St. Paul, MN 55144	3M Center St. Paul, MN 55144	1	1	JUL 25, 2014	1	1
DIVISION Interconnect Solutions	DIVISION CODE EMSD	DATE JUL 25, 2014	DATE JUL 25, 2014	DATE JUL 25, 2014	DATE JUL 25, 2014	DATE JUL 25, 2014
DO NOT SCALE DRAWING	SCALE 4 1	TOLERANCES EXCEPT AS NOTED	INCHES 0 ± .01 .000 ± .005 .0000 ±	MILLIMETERS 0 ± .3 .00 ± .13 .000 ±	MAX SURFACE ROUGHNESS 0.8 SURFACES 0.4 MARKED ONLY	ANGLS 0 ± 15 0 ± 15
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TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA		CAGE NUMBER D78-5100-0772-3		REV. T		
MODEL 3000 SERIES		DET 1		SHT 2 OF 4		

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



THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

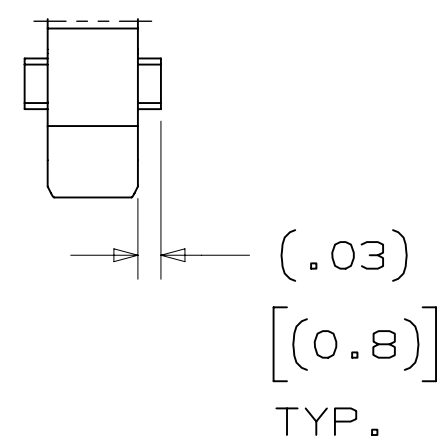
3M HAS SEVERAL CAPABILITIES THAT CAN PROVIDE A PART TAILORED TO YOUR SPECIFIC NEEDS. ASK YOUR 3M SALES REPRESENTATIVE OR CUSTOMER SERVICE FOR MORE DETAILS.

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.

```
* 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.

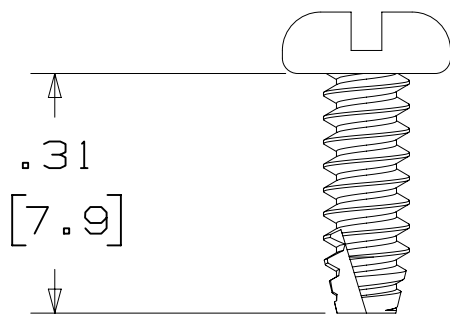
NOTE:
#2216 B/A SCOTCHWELD CAN BE USED TO
ADHERE KEYS.

T	62689	JUL 10, 2015	JNC	SN
		ADD 5X05 OPTION AND REVISE NOTES		
S	60056	MAR 06, 2015	JNC	RS
		REVISE ORDERING NUMBER		
R	56068	JUL 25, 2014	JNC	RS
		REVISED AND REDRAWN		
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	C	DATE JUL 25, 2014	MFG	DATE
CHKD		DATE	APPROV SCHERER	DATE SEP 05, 2014

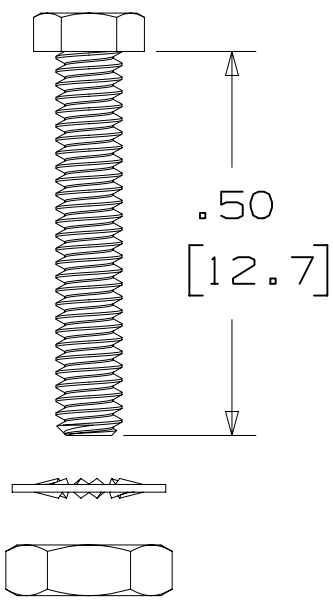
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ACROSS CODES				DRFT	CAST1G1L1ONE		DATE	MFG	DATE
				CHKD			JUL 25, 2014		
						DATE	APPRV.	DATE	
							R. SCHERER	SEP 05, 2014	
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				INCHES		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
				.00 ± .00 ±.01 .000 ±.005 .0000 ±					
THIRD ANGLE PROJECTION				MILLIMETERS					
INTERPRET PER ASME Y14.5 - 2009				.00 ±.3 .00 ±.13 .000 ±					
MAX SURFACE ROUGHNESS				CAGE NUMBER		SIZE DRAWING NO.		REV.	
				D		D78-5100-0772-3		T	
☒ ALL SURFACES				MODEL		DET. LISTS		☐ YES ☒ NO	
☐ BACK ONLY				3000 SERIES		SHT 3		OF 4	

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

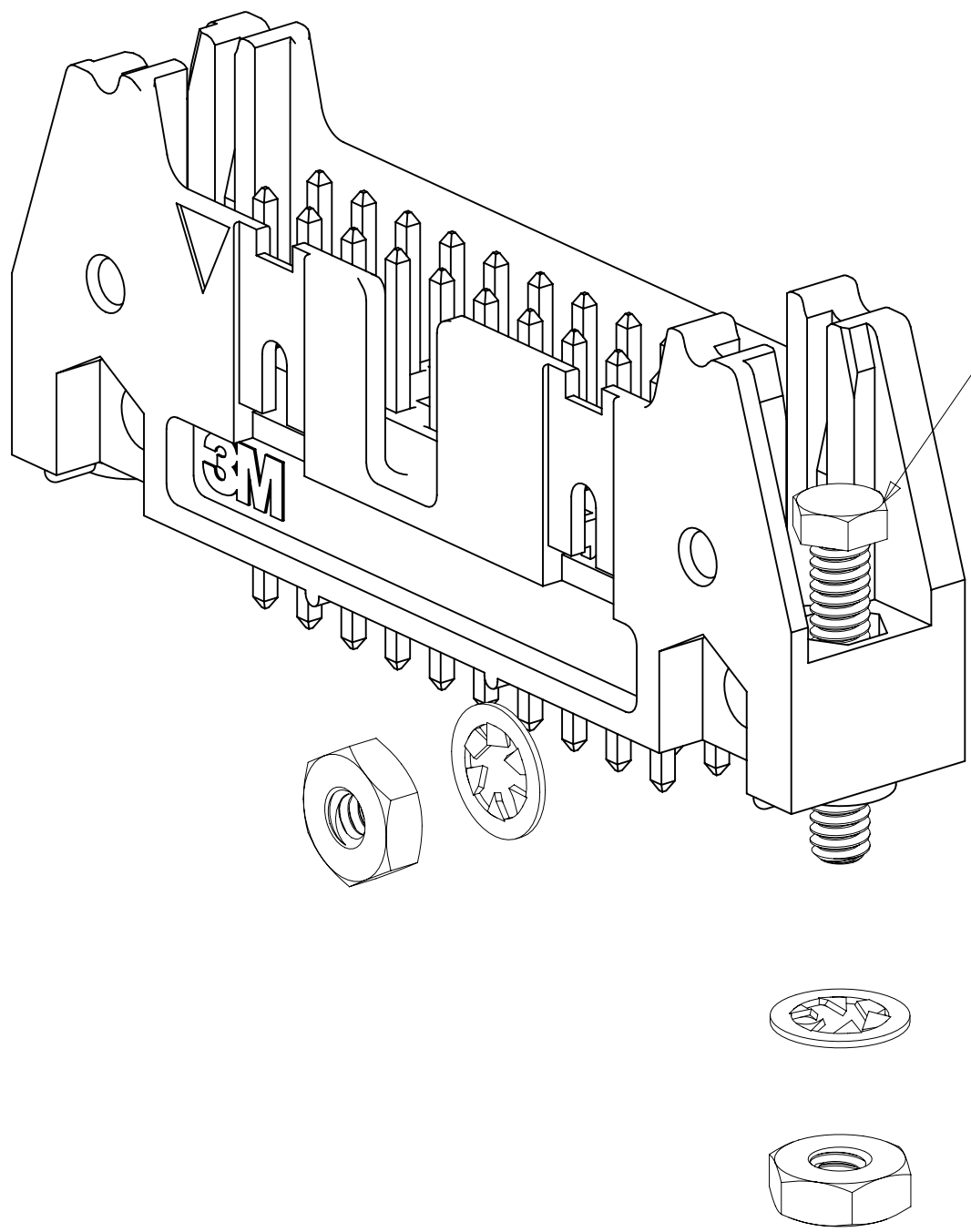
MOUNTING HARDWARE



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



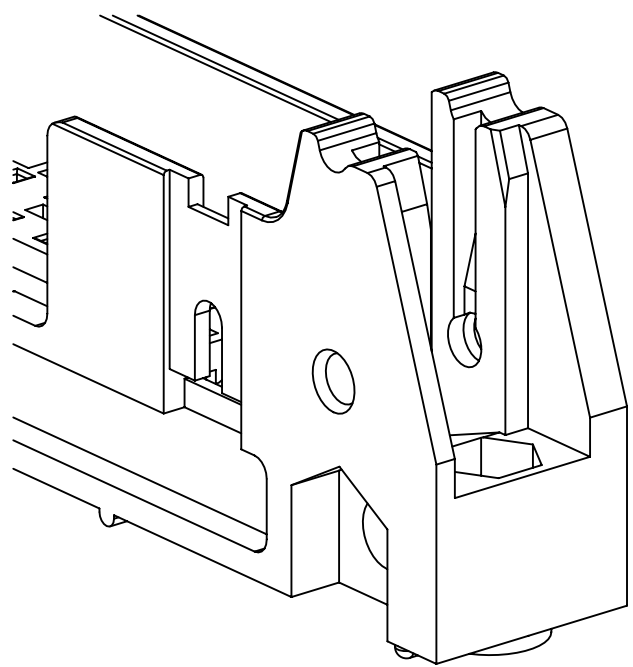
3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



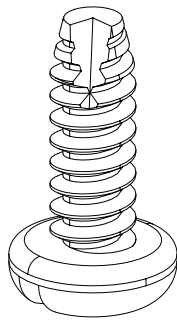
STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

RIGHT ANGLE VERSION INSTALL

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

T		62689	JUL 10,2015		JNC	SN					
			ADD 5X05 OPTION AND REVISE NOTES								
S		60056	MAR 06,2015		JNC	RS					
			REVISE ORDERING NUMBER								
R		56068	JUL 25,2014		JNC	RS					
			REVISED AND REDRAWN								
DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD			
ACCESS CODES				DRF T	CASTIGLIONE		DATE	JUL 25,2014	MFG	DATE	
				CHKD			DATE		APPRV	R. SCHERER	SEP 05,2014
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						HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA					
THIRD ANGLE PROJECTION											
INTERPRET PER ASME Y14.5 - 2009											
MAX SURFACE ROUGHNESS											
✓ ☐ MARKED ONLY											

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