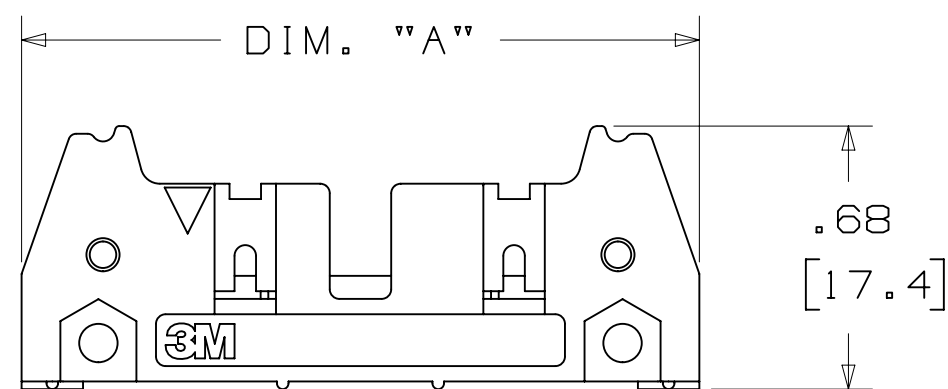
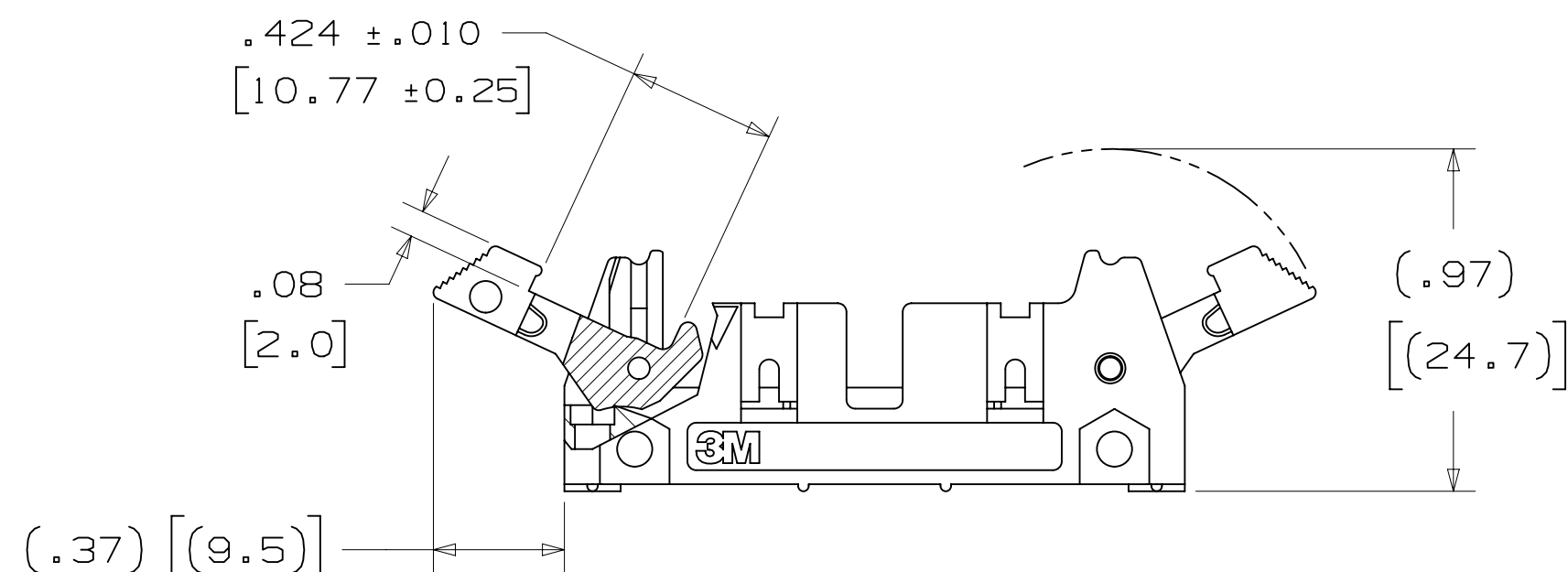


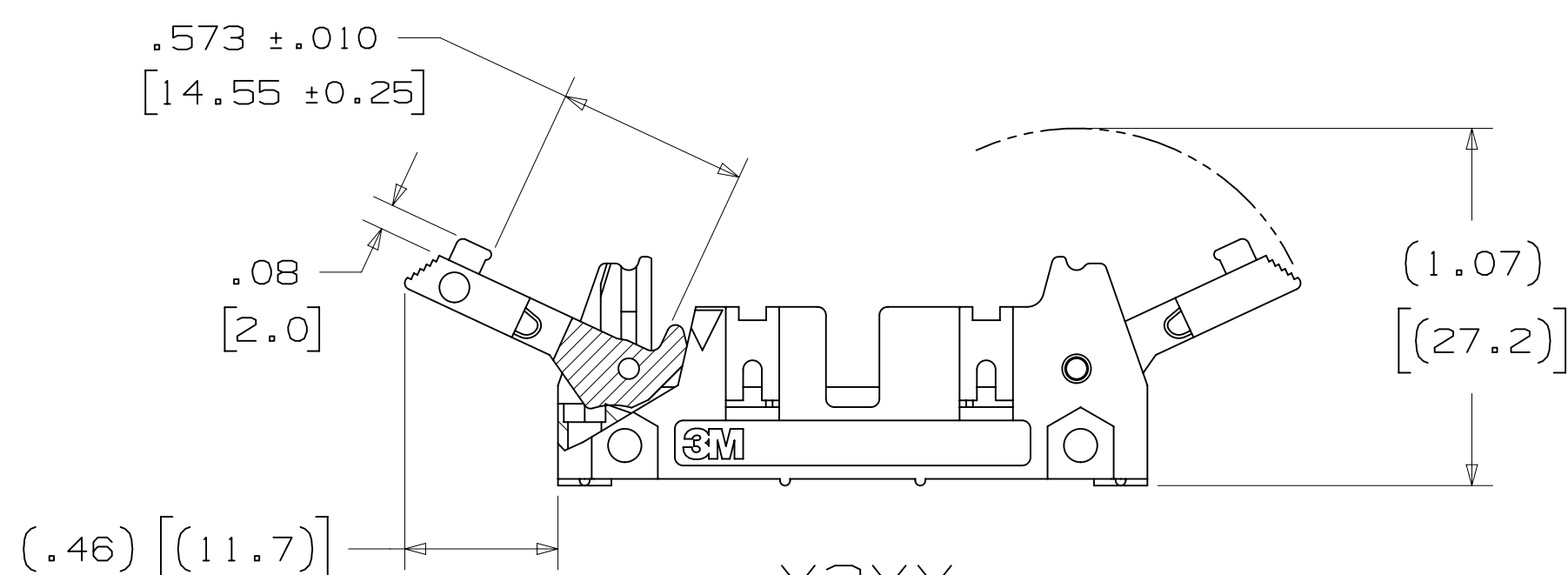
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-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 = 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.
- * LOW PROFILE.
- * OPTIONAL EJECTOR LATCHES.
- * MOUNTING HOLES FOR SECURING HEADER TO BOARD.
- * THREE WALL SHROUD PROVIDES DESIGN FLEXIBILITY.
- * SOLDER TAIL AND WRAP TAIL OPTIONS.
- * OPTIONAL POLARIZING POSTS AVAILABLE.
- * HIGH TEMPERATURE INSULATOR SUITABLE FOR "NO LEAD" SOLDERING OPERATIONS.
- * SUITABLE FOR REFLOW SOLDERING USING "PASTE IN HOLE" TECHNIQUES.

2 PHYSICAL :

INSULATOR:
MATERIAL: GLASS FILLED POLYESTER (PCT)
FLAMMABILITY: UL94V-0
COLOR: BLACK
CONTACT:
MATERIAL: COPPER ALLOY
PLATING:
UNDER PLATING: 100 μ " [2.54 μ m] NICKEL-OVERALL
WIPING AREA: 30 μ " [0.76 μ m] AVG. GOLD
SOLDER TAILS: 200 μ " [5.08 μ m] TIN LEAD OR MATTE TIN (SEE ORDERING INFORMATION)
MARKINGS: 3M LOGO, PART IDENTIFICATION NUMBER AND ORIENTATION TRIANGLE

2 ELECTRICAL :

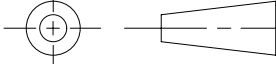
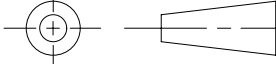
CURRENT RATING: 5.00A, 1 CONTACT POWERED
3.00A, 6 CONTACTS POWERED
1.75A, ALL CONTACTS POWERED
RATING CONDITIONS: EIA-364-070 METHOD 2, 30°C MAXIMUM
TEMPERATURE RISE, 20% DERATED, REFERENCE APPROPRIATE
3M PRODUCT SPECIFICATION FOR DETAILED CURRENT DERATING
CURVES.

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						DRFT CASTIGLIONE		DATE AUG 05, 2014		MFG		DATE	
						CHKD		DATE		APPR. R. SCHERER		DATE SEP 05, 2014	
DIVISION			DIVISION CODE					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 in violation of 3M authorized purposes. All rights reserved.			
Interconnect Solutions			EMSD										
DO NOT SCALE DRAWING			SCALE 2/1 TOLERANCES EXCEPT AS NOTED										
			THIRD ANGLE PROJECTION			INCHES		.0		±			
						.00		± .01					
						.000		± .005					
						.0000		±					
						MILLIMETERS		.0		± .13			
						.00		± .03					
						.000		±					
MAX SURFACE ROUGHNESS						CAGE NUMBER		SIZE		DRAWING NO.		REV.	
☒ ALL SURFACES						D 078-5100-0771-5		H					
☒ MARKED ONLY						MODEL		3000 SERIES		DET. LISTS ☐ YES ☒ NO		SHT 1 OF	

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UL FILE NO: E68080

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3M™ THREE-WALL HEADER, 3000 SERIES

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

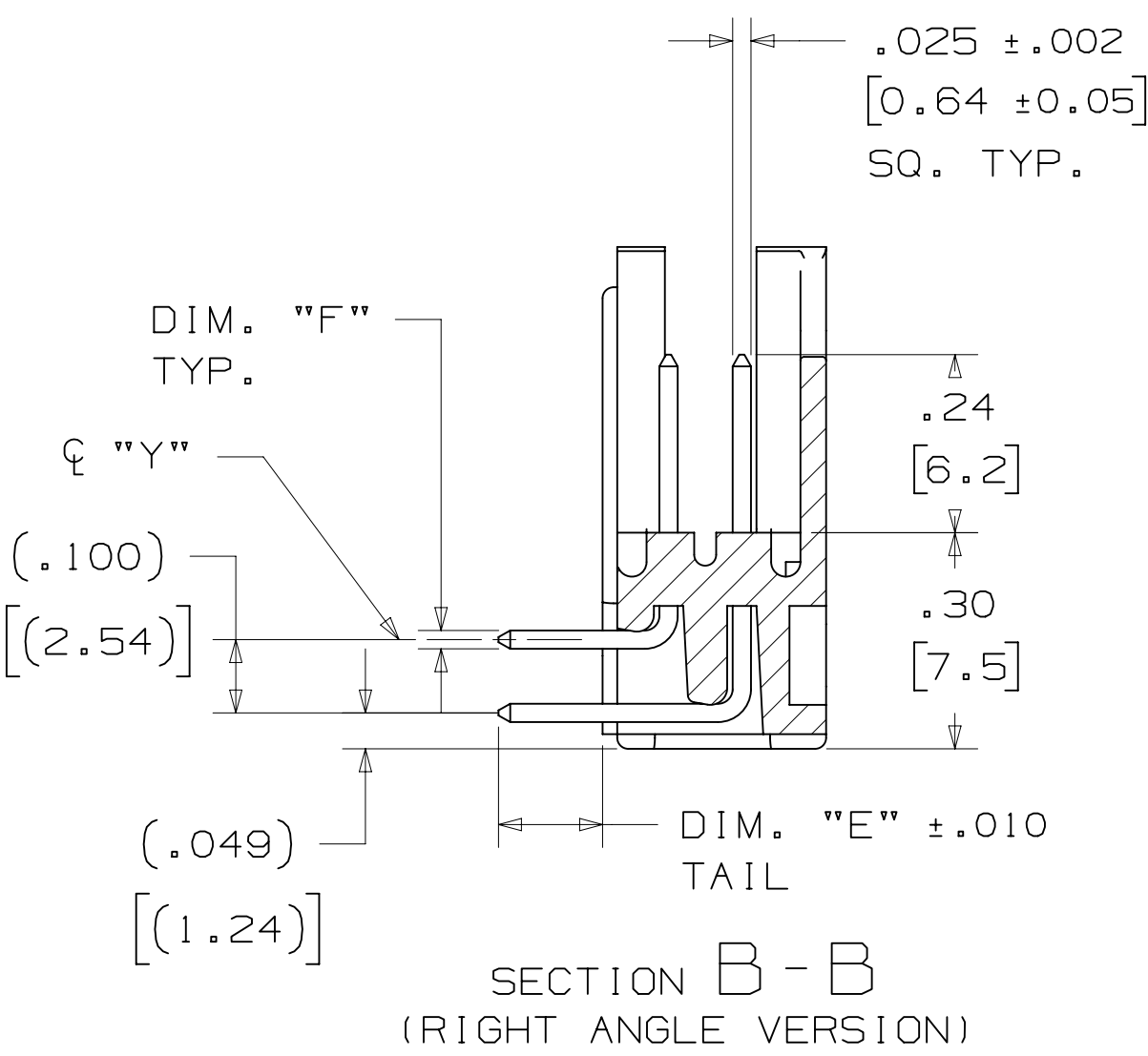
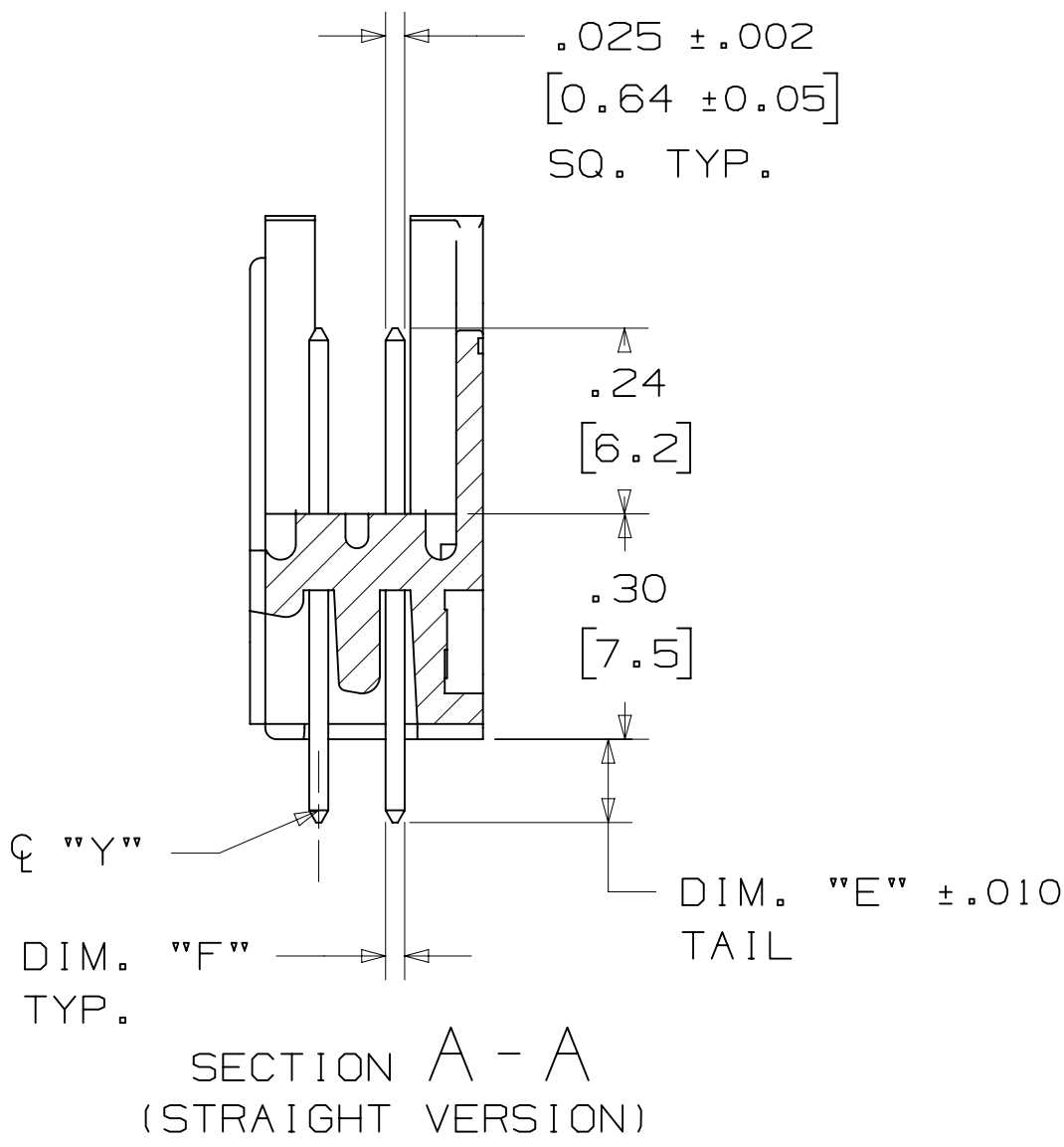
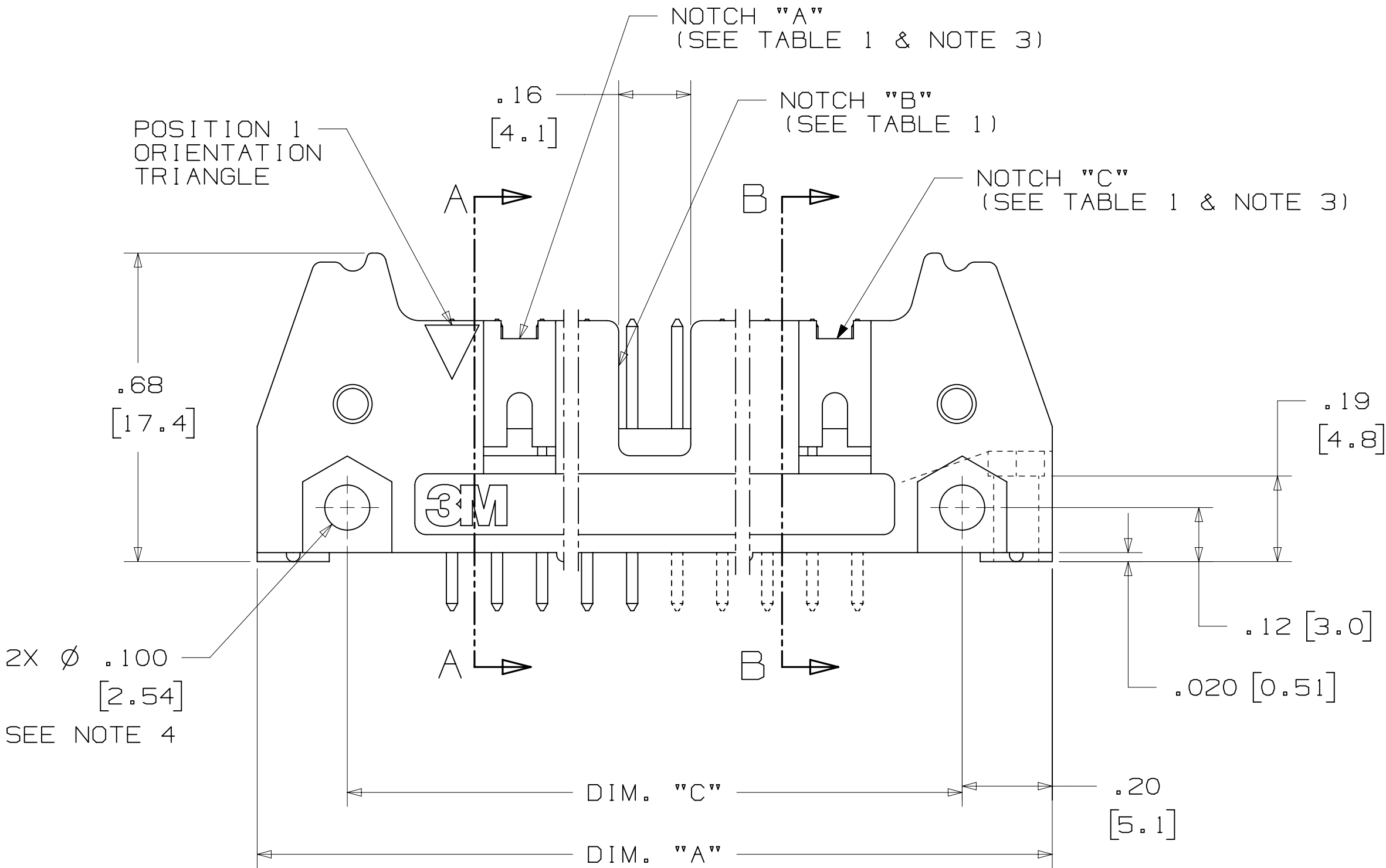
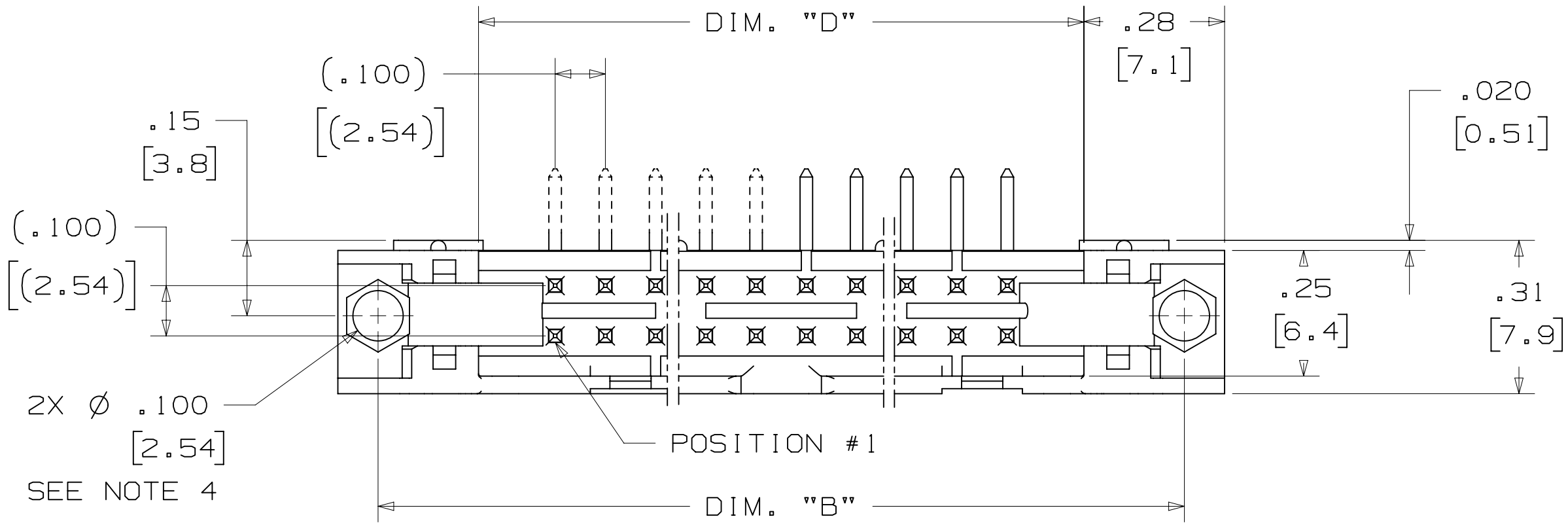


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20	3428	1.76 [44.8]	1.604 [40.74]	1.365 [34.67]	1.21 [30.7]	ABC	20
26	3429	2.06 [52.4]	1.905 [48.36]	1.665 [42.29]	1.51 [38.3]	ABC	26
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

TABLE 2						
3M PART NUMBER SUFFIX	CONTACT TAIL	DIM. "E"	PIN CROSS SECTION			DIM. "G"
-1XX2 -2XX2	.062 [1.57] THICK PC BOARD	.112 [2.84]	DIM. "F" .0245+/- .0005 [.622]	DIAGONALS .028+/- .001 [.71]	CORNER RADIUS .0075 REF. [.191]	.035+/- .003 [.89] SEE NOTE 5
-1X03 -2X03	.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]



DESIGN REFERENCE
NEXT ASSEMBLY

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION

MAX SURFACE ROUGHNESS
LISTED SURFACES
MARKED ONLY

INTERCONNECT SOLUTIONS

SCALE 4/1

INTERPRET PER ASME Y14.5 - 2009

TOLERANCES EXCEPT AS NOTED

INCHES
0 ± .01
.000 ± .005
.0000 ±

MILLIMETERS
0 ± .3
.00 ± .13
.000 ±

ANGLES

3M

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MN 55144

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TITLE
HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA

CAGE NUMBER
D78-5100-0771-5

MODEL
3000 SERIES

REV. ECO
DATE
AUG 05, 2014

ISSUE DATE AND DESCRIPTION
REVISED AND REDRAWN

DRFT
DATE
SEP 05, 2014

CHKD
DATE
AUG 05, 2014

APPR
R. SCHERER

DATE
SEP 05, 2014

H 60056
MAR 06, 2015
REVISE ORDERING NUMBER

JNC RS

G 56068
AUG 05, 2014
REVISED AND REDRAWN

JNC RS

REV. ECO
DATE
AUG 05, 2014

ISSUE DATE AND DESCRIPTION
REVISED AND REDRAWN

DRFT
DATE
SEP 05, 2014

CHKD
DATE
AUG 05, 2014

APPR
R. SCHERER

DATE
SEP 05, 2014

CAGE NUMBER
D78-5100-0771-5

MODEL
3000 SERIES

REV. H

DET
LISTS

YES

NO

SHT 2 OF 4

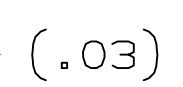
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



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.

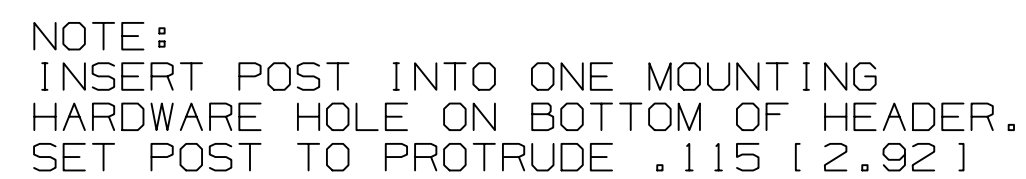
```
* SELECTIVE PIN REMOVAL (ATA OR OTHER COMPATABILITY)
* WIRE WRAP TAILS STYLE
```



SHORT

SNAP-IN LATCHES

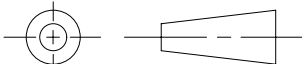
NOTE :
SNAP-IN LATCHES CAN ONLY BE ORDERED
SEPARATELY AND ARE THE CUSTOMERS
RESPONSIBILITY TO INSTALL.



KINKED TAIL DETAIL:

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



DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
ASSEMBLY DATE BY DATE		DATE BY DATE		REV CASTIGLIONE		DATE AUG 05, 2014		MFG R. SCHERER		DATE SEP 05, 2014			
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DO NOT SCALE DRAWING		SCALE $\frac{1}{4}$		TOLERANCES EXCEPT AS NOTED		3M							
		INCHES .00 ± .01 .000 ± .005 .0000 ±		TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA									
THIRD ANGLE PROJECTION INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ± .00 ± .3 .00 ± .13 .000 ±		CAGE NUMBER D 78-5100-0771-5		SIZE D		DRAWING NO. 78-5100-0771-5		REV. H			
MAX SURFACE ROUGHNESS LIST		MAX SURFACES ☒ MARKED ONLY		MODEL 3000 SERIES		DET. LISTS ☐ YES ☒ NO		SHT 3 OF 4					

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St. Paul,
MN 55144

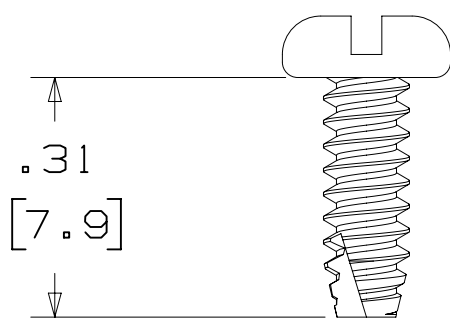
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TITLE
HEADER, 3-WALL, .100
X .100 LATCH/EJECTOR,
STRAIGHT & RA

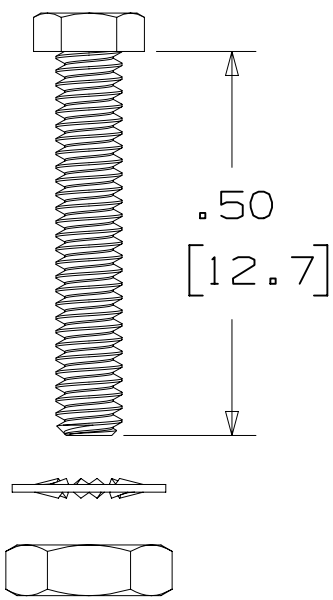
CAGE NUMBER	SIZE D	DRAWING NO. 78-5100-0771-5		REV. H
MODEL 3000 SERIES		DET. LISTS ☐ YES ☒ NO	SHT 3 OF 4	

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

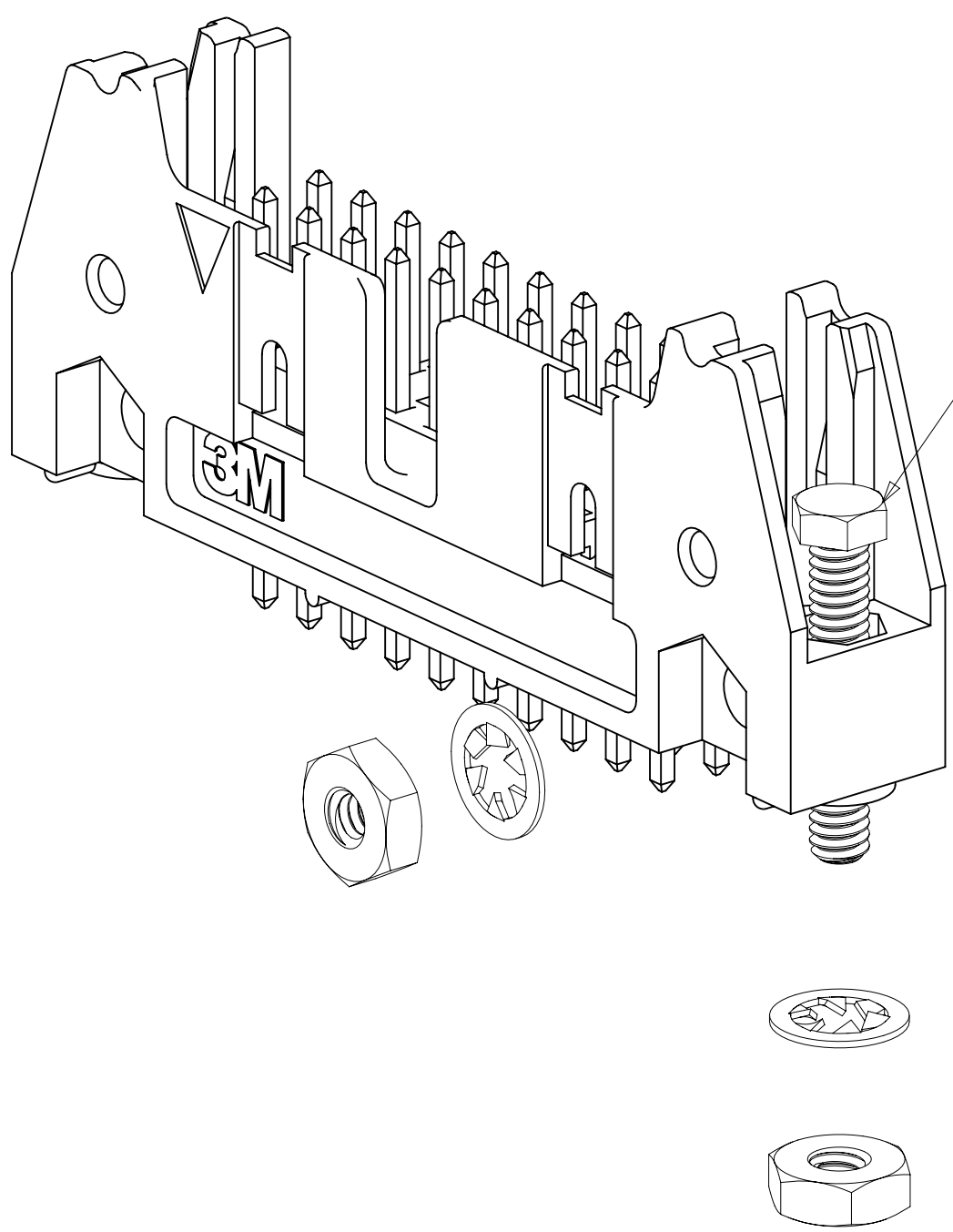
MOUNTING HARDWARE



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

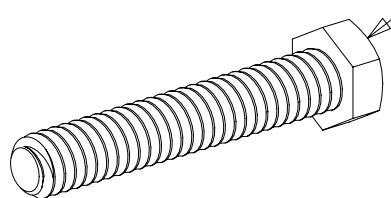


3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL

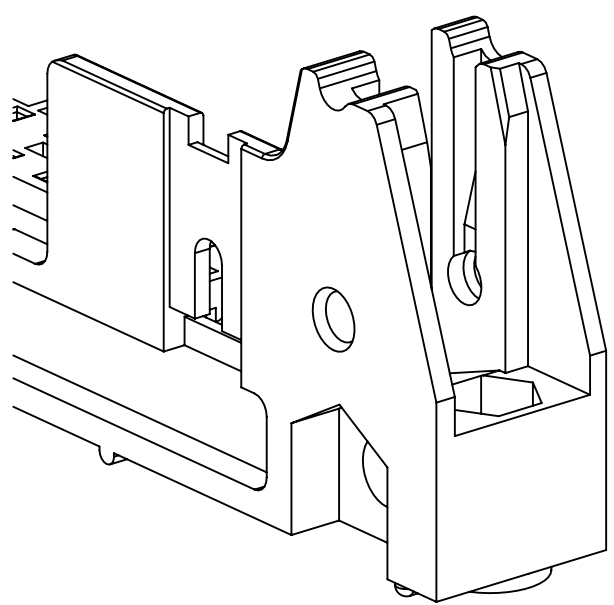


STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

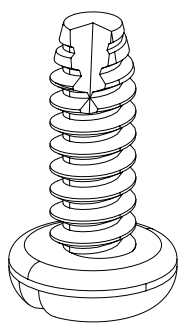
RIGHT ANGLE VERSION INSTALL



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

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF		DIP		CASTIGLIONE	DATE	AUG 05, 2014	MFG	DATE	
DIVISION		DIVISION CODE		CHKD	DATE	R. SCHERER	DATE	SEP 05, 2014	
Interconnect Solutions		EMSD		3M		© 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.			
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
THIRD ANGLE PROJECTION		INCHES 0 ± .00 ±.01 .000 ±.005 .0000 ±		MILLIMETERS 0 ± .0 ±.3 .00 ±.13 .000 ±		CAGE NUMBER D78-5100-0771-5			
INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS 12.5 SURFACES ✓ MARKED ONLY		MODEL 3000 SERIES		REV. H			
						DET LISTS YES NO SHT 4 OF 4			