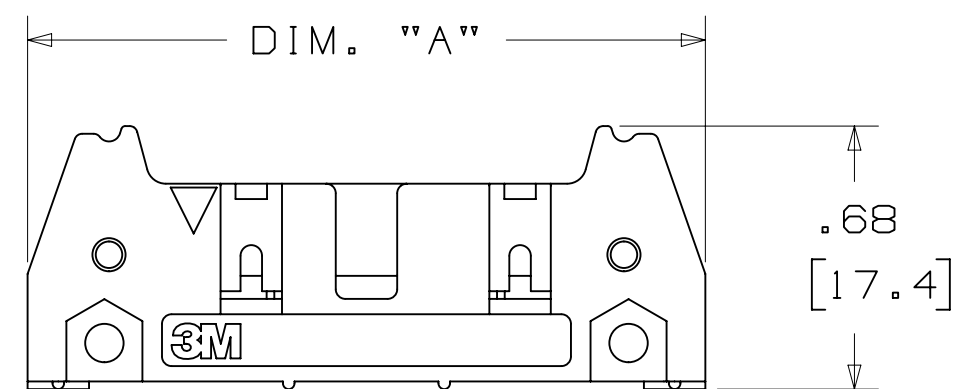
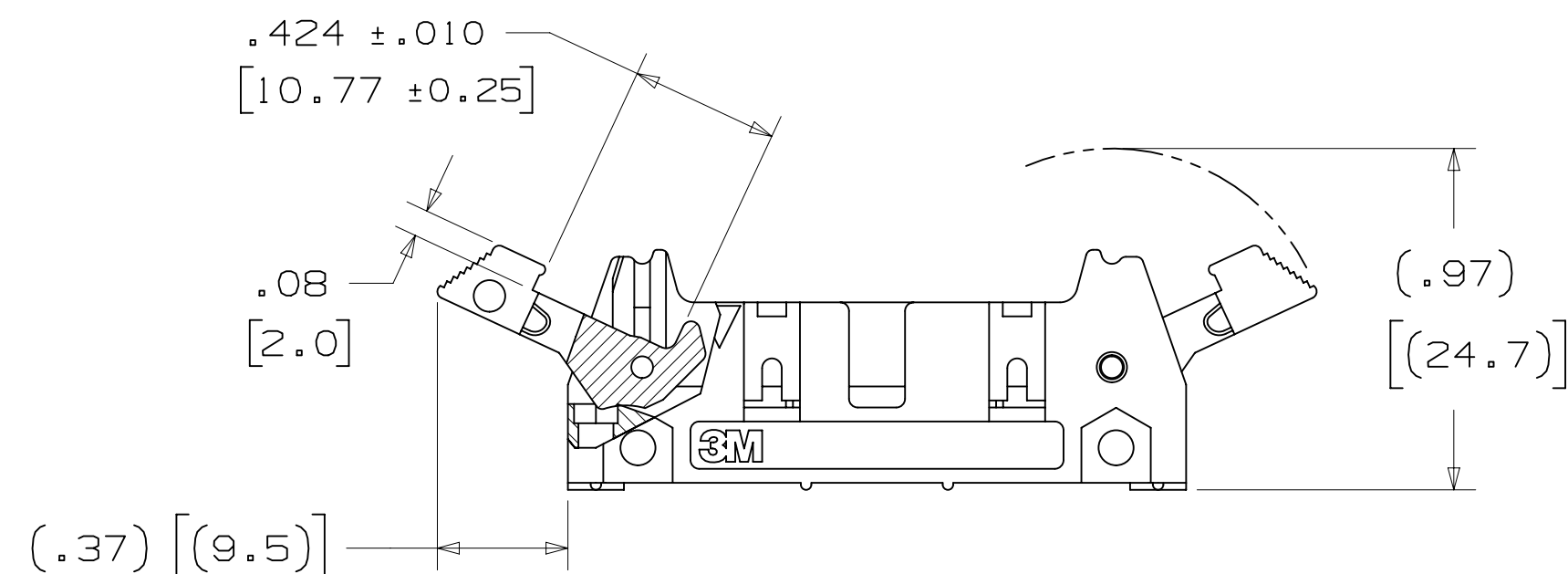


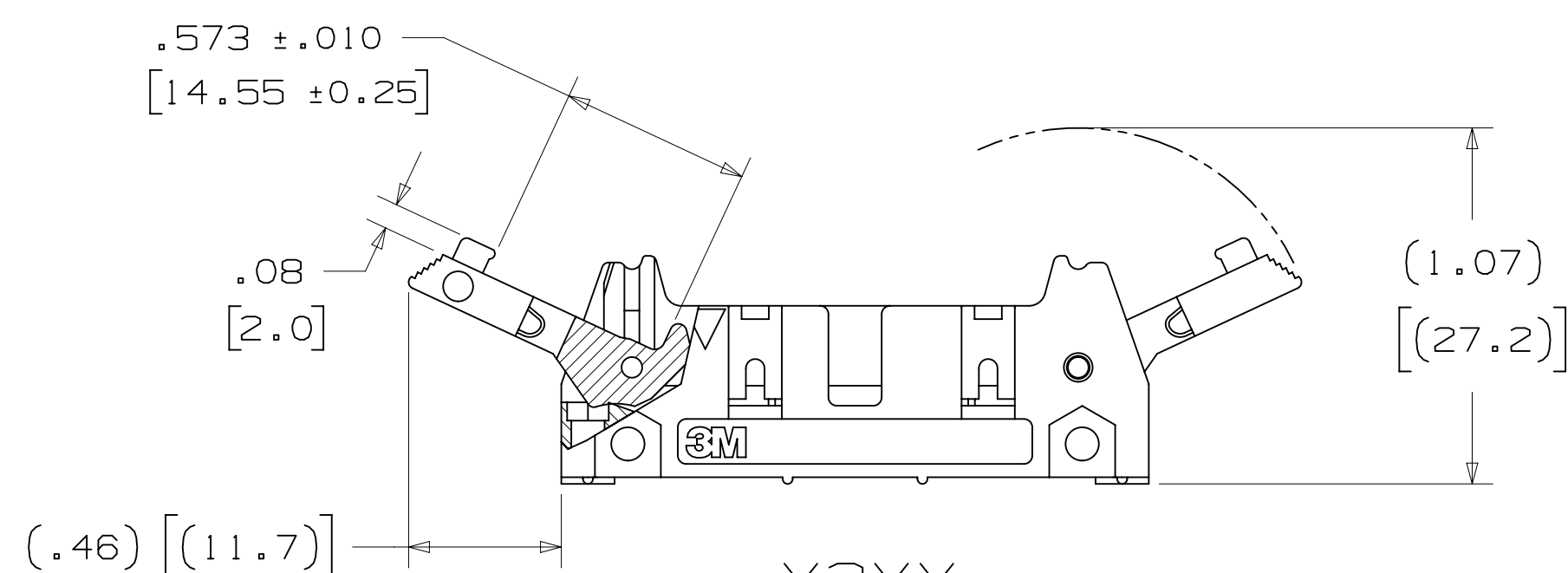
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-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

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)

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 ] 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
ACCESS CODES				DRFT	CASTIGLIONE		DATE	JUL 25, 2014	
				CHKD			DATE		
						APPR	R. SCHERER	DATE	SEP 05, 2014
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2015 This document and the information it contains are 3M property and may not be reproduced or further distributed without written permission or used or disclosed other than for 3M authorized purposes. All rights reserved.					
Interconnect Solutions		EMSD							
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED							
SCALE $\frac{2}{1}$									
		INCHES		TITLE HEADER , 4-WALL , 100 X 100 LATCH/EJECTOR , STRAIGHT & RA					
THIRD ANGLE PROJECTION		.00 ± .00 ± .01 .000 ± .005 .0000 ±							
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS							
☒ MAX. SURFACE ROUGHNESS ☐ MAX. SURFACES ☒ MARKED ONLY		.00 ± .13 .00 ± .000 ±							
		ANGLES		CAGE NUMBER		SIZE		DRAWING NO.	
				D		D78-100-0772-3		REV. S	
				MODEL		3000 SERIES		DET. ☐ LISTS ☒ YES ☒ NO SHT 1 OF 4	

UL[®]
US
UL FILE NO: E68080

1. REGULATORY INFORMATION:
ROHS COMPLIANT. SEE THE
REGULATORY INFORMATION
APPENDIX (RIA) IN THE
"ROHS COMPLIANCE" SECTION
OF WWW.3MCONNECTORS.COM FOR
COMPLIANCE INFORMATION.

2 IN THE EVENT OF CONFLICT
BETWEEN THIS DATA AND THAT
CONTAINED IN THE PRODUCT
SPECIFICATION, THE PRODUCT
SPECIFICATION TAKES PRECEDENT

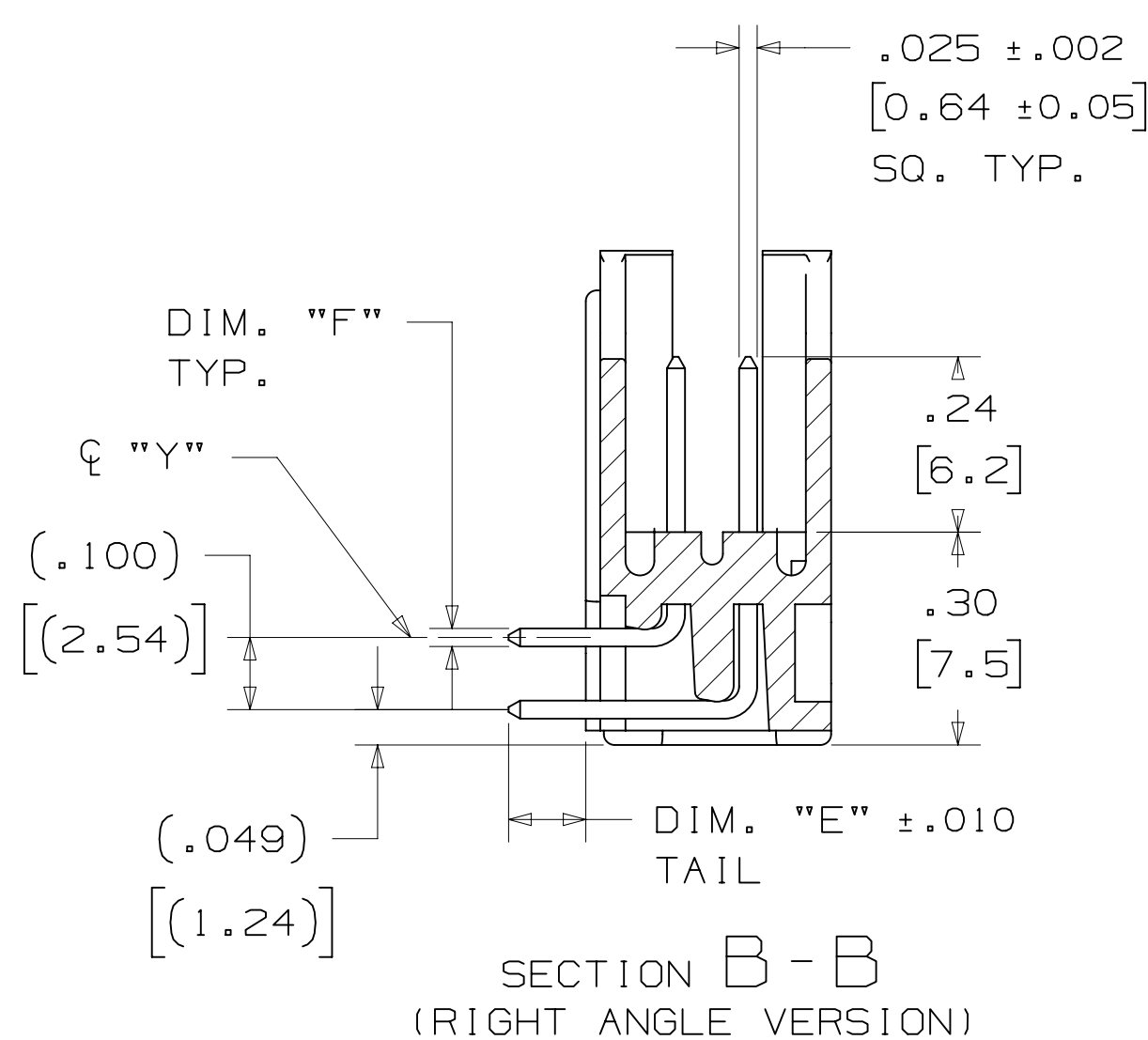
3 NOTCHES A & C WILL ACCOMODATE
3M POLARIZING KEY: N3518.

4 MOUNTING HARDWARE:
FROM SOLDER SIDE OF PC BOARD
USE #4-24 THREAD CUTTING SCREW
(3M PART #3341-5) WITH
Ø.116 [2.95] MOUNTING HOLE.
FOR RIGHT ANGLE VERSION ONLY:
#2-56 BOLT AND NUT (3M PART
#3341-6) WITH Ø.106 [2.69]
MOUNTING HOLE MAY BE USED.

5 THE RECOMMENDED PCB HOLE SIZE
FOR THE KINKED TAIL POSITIONS
ON THE .112 SOLDER TAIL
CONNECTOR IS $\varnothing .035 \pm .002$.
(SEE K2 VERSION).

A

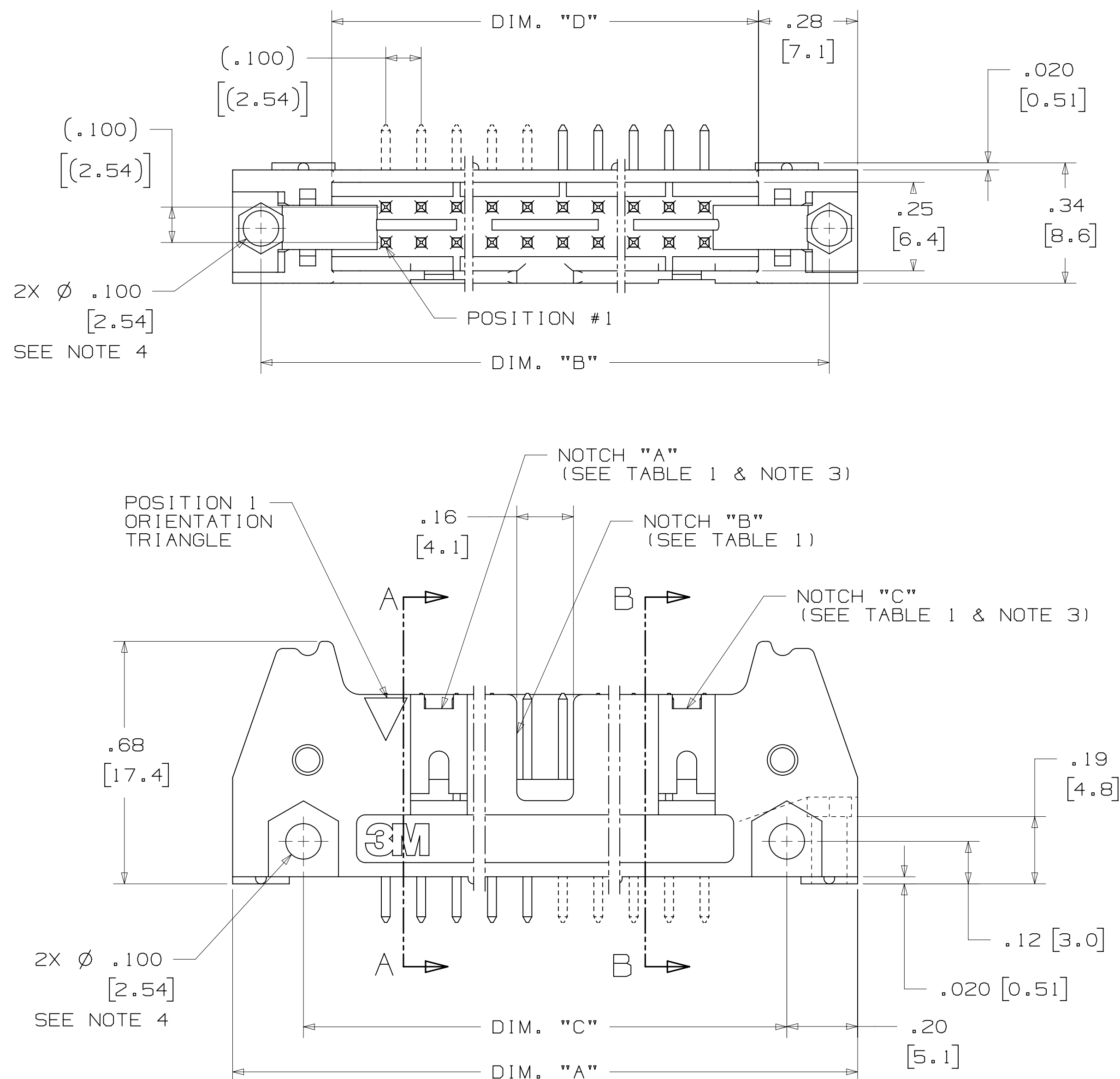
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

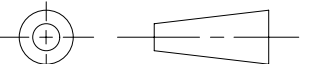


PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY
06	3869	1.06 [27.0]	.905 [22.99]	.665 [16.89]	.51 [12.9]	B*	06
08	3889	1.16 [29.5]	1.005 [25.53]	.765 [19.43]	.61 [15.5]	B*	08
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [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						

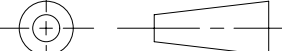


DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ASSEMBLY CODES				DRFT	CASTIGLIONE		MFG	DATE	
				CHKD	JUL 25, 2014		APPR	SEP 05, 2014	
				DATE		R. SCHERER			
DIVISION				DIVISION CODE		© 3M COPYRIGHT 2015			
Interconnect Solutions				EMSD		3M Center St. Paul, MN 55144			
DO NOT SCALE		SCALE		TOLERANCES EXCEPT AS NOTED		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.			
DRAWING		4 1				TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
THIRD ANGLE PROJECTION				INCHES .00 ± .00 ±.01 .000 ±.005 .0000 ±		MILLIMETERS 0 ± .0 ±.3 .00 ±.13 .000 ±			
INTERPRET PER ASME Y14.5 - 2009						CAGE NUMBER D		DRAWING NO. 578-5100-0772-3	
MAX SURFACE ROUGHNESS 1.6		1.6 SURFACES ☒ MARKED ONLY		ANGLES		MODEL 3000 SERIES		REV. S	
						DET LISTS ☐ YES ☒ NO		SHT 2 OF 2	

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



 (.03)
 [(0.8)]
 TYP.

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION				DRFT		CHKD	
ACCORDS				BPN		CASTIGLIONE		DATE		JUL 25, 2014		MFG		DATE	
				CHKD				DATE				APPRV		R. SCHERER DATE SEP 05, 2014	
DIVISION				DIVISION CODE				© 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.							
Interconnect Solutions				EMSD											
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		3M St. Paul, MN 55144		TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA							
		THIRD ANGLE PROJECTION		INCHES .00 ± .01 .000 ± .005 .0000 ±		MILLIMETERS 0 ± .0 ± .3 .00 ± .13 .000 ±		CAGE NUMBER		SIZE		DRAWING NO.		REV.	
MARK SURFACE ROUGHNESS		ALL SURFACES		ANGLE ±		MODEL		3000 SERIES		DET. LISTS		YES ☐ NO ☒		SHT 3 OF 4	
✓ ☐ MARKED ONLY															

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

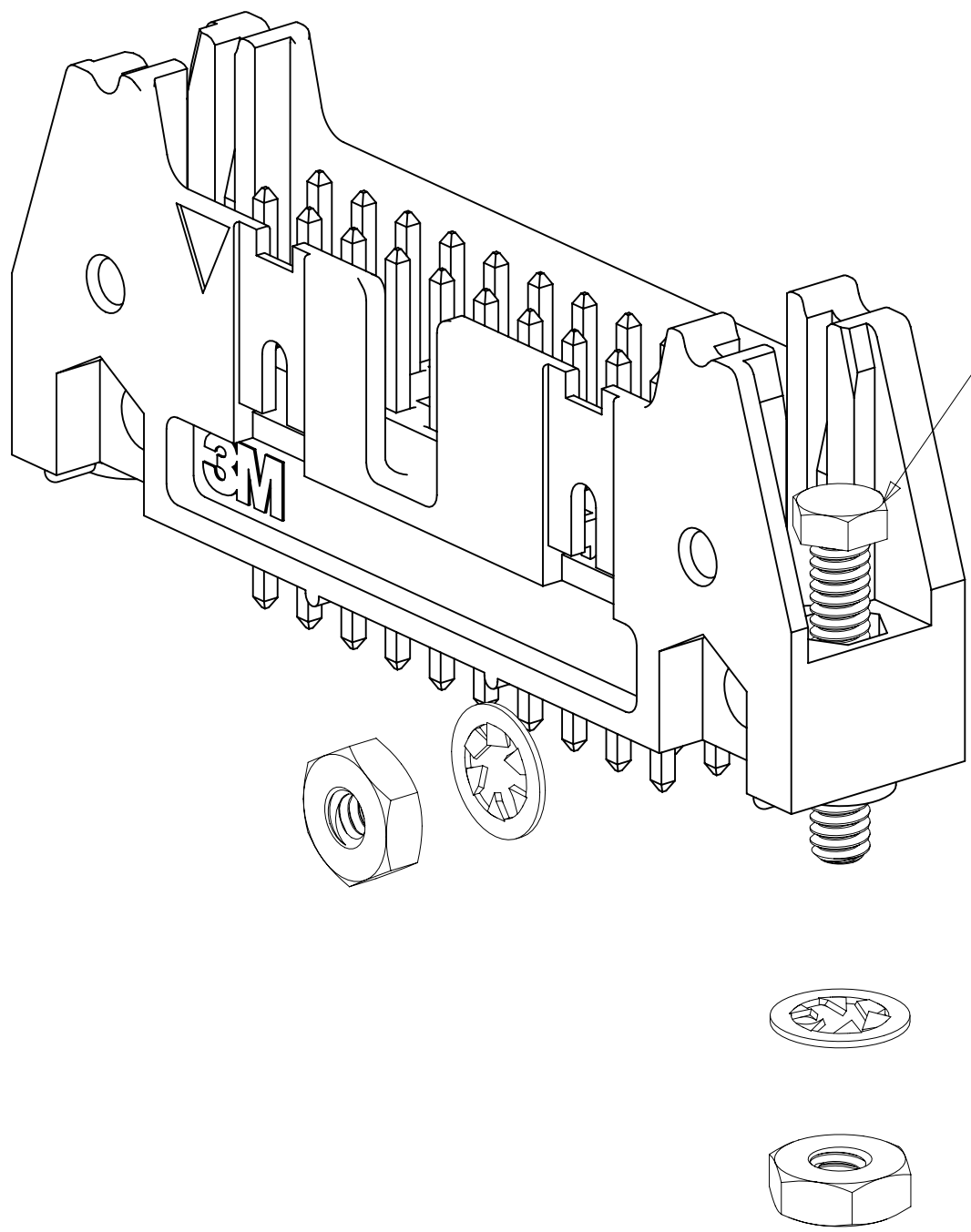
MOUNTING HARDWARE



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



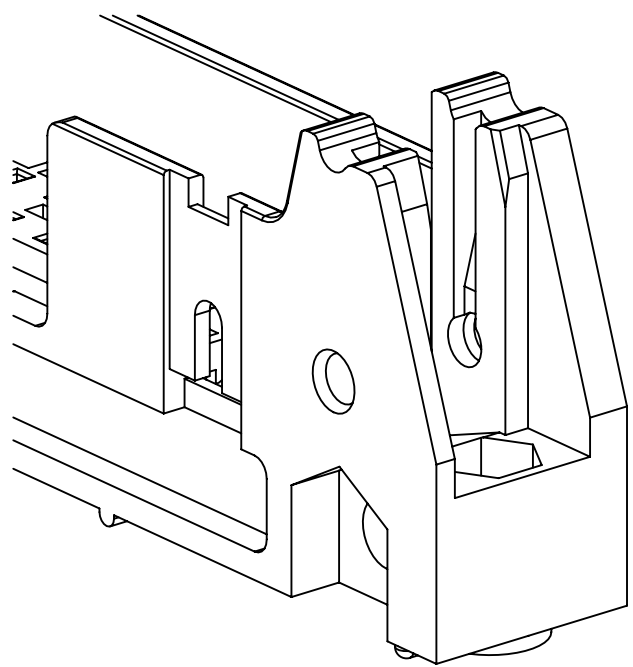
3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



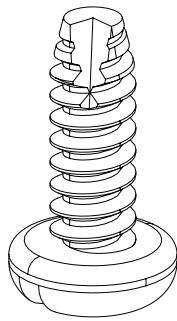
STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

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

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF		XREF		DR	CASTIGLIONE	DATE	JUL 25, 2014	MFG	DATE
DIVISION		DIVISION CODE		CHKD		DATE		APPR	DATE
Interconnect Solutions		EMSD						R. SCHERER	SEP 05, 2014
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		3M			
THIRD ANGLE PROJECTION		INCHES		MILLIMETERS		TITLE			
INTERPRET PER ASME Y14.5 - 2009		.00 ± .01		.00 ± .13		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
MAX SURFACE ROUGHNESS		.000 ± .000		.000 ± .000		CAGE NUMBER			
MARKED ONLY		ANGLES		3000 SERIES		D 78-5100-0772-3			
						REV. S			
						SHT 4 OF 4			