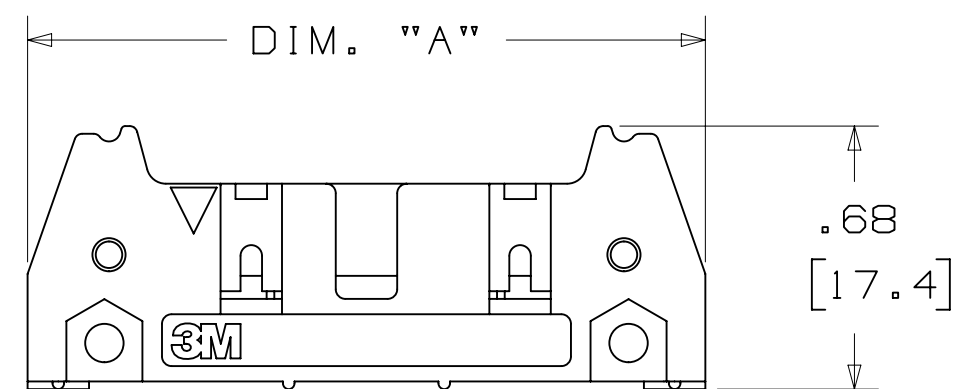
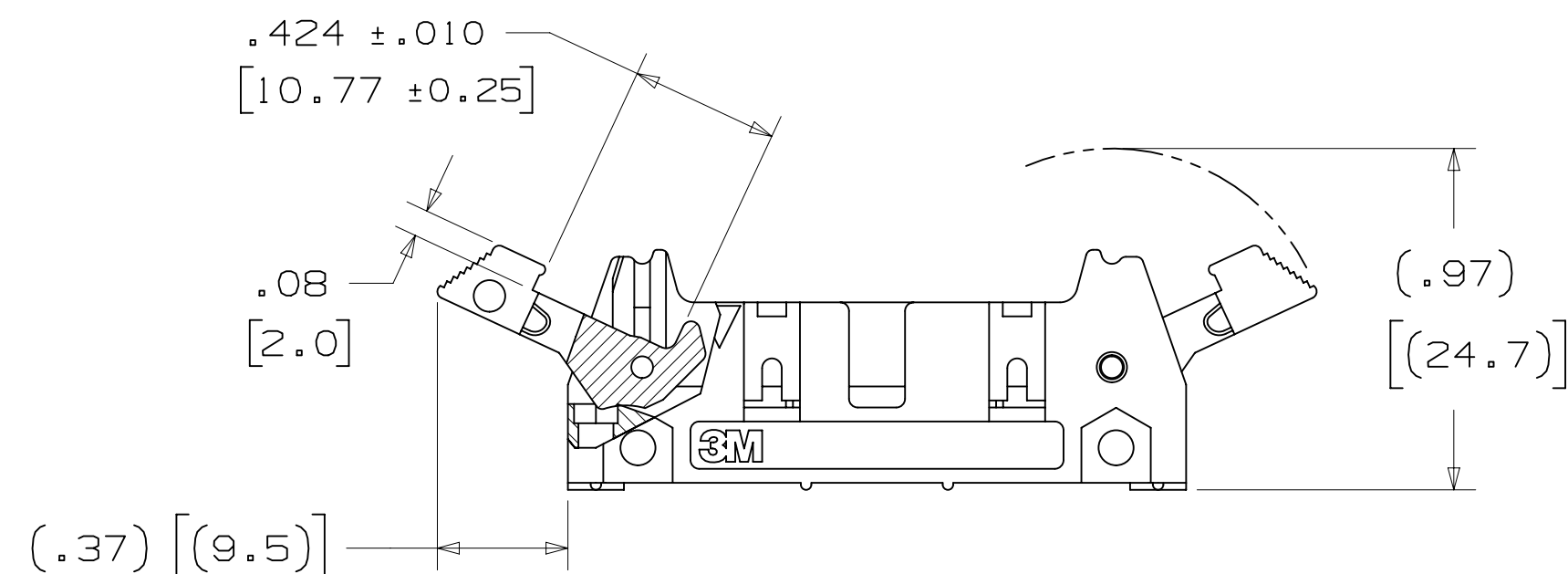


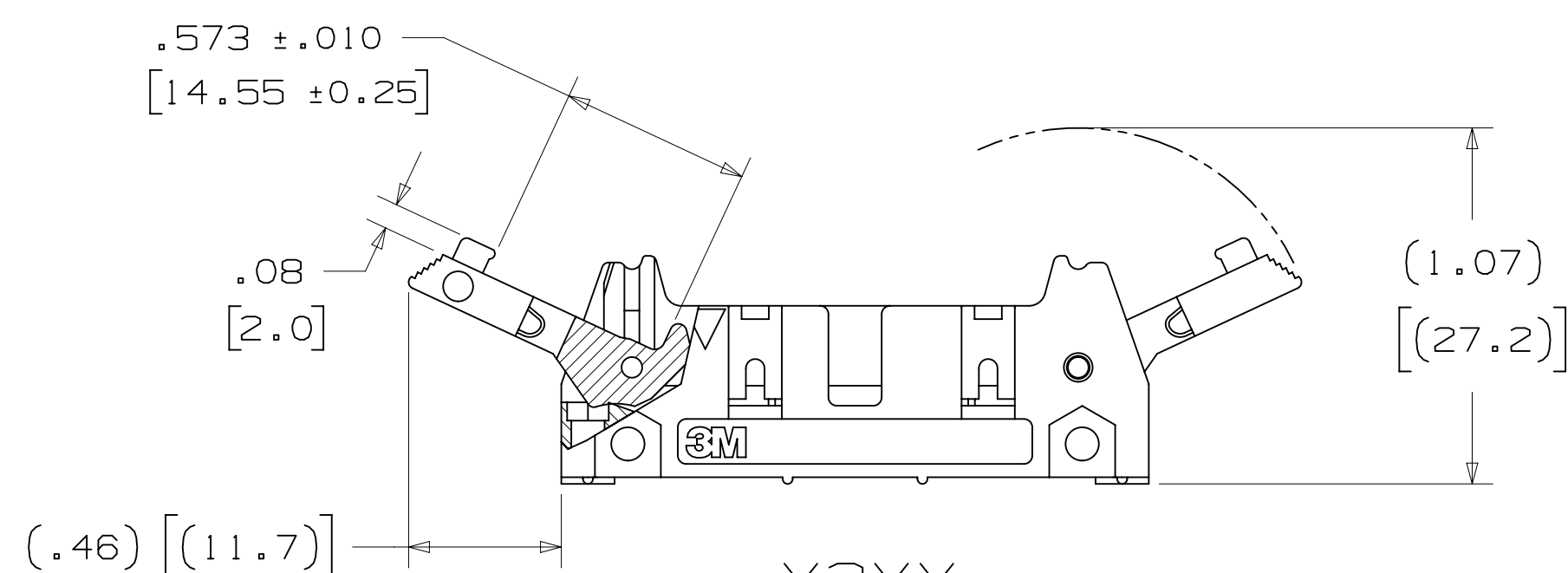
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-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)

```

-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

- * 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)

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INFORMATION CALL 800-225-5373

CULUS
UL FILE NO: E68080

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ADDRESS		CODE		DRFT	DATE		MFG	DATE	
ADDRESS		CODE		CHKD	DATE		ASPL	DATE	
DIVISION		DIVISION CODE		DATE		R. SCHERER		SEP 05, 2014	
Interconnect Solutions		EMSD		3M		© 3M COPYRIGHT 2015			
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		3M Center St. Paul, MN 55144		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.			
SCALE $\frac{2}{1}$		INCHES		TITLE		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
		.00 ± .00 ±.01 .000 ±.005 .0000 ±		CAGE NUMBER		SIZE DRAWING NO.			
THIRD ANGLE PROJECTION		MILLIMETERS		D		D78-5100-0772-3			
INTERPRET PER ASME Y14.5 - 2009		.00 ±.13 .00 ± .000 ±		MODEL		3000 SERIES			
MAX. SURFACE ROUGHNESS		ANGLE		DET.		LISTS YES YES NO SHT 1 OF			
MAX. SURFACES		ANGLE		LISTS		YES YES NO SHT 1 OF			
☒ MARKED ONLY									

1. REGULATORY COMPLIANCE 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 ACCOMMODATE 3M POLARIZING KEY: N3518.
4. MOUNTING HARDWARE:
FROM SOLDER SIDE OF PC BOARD USE #4-24 THREAD CUTTING SCREW (3M PART #3341-5) WITH $\varnothing .116 [2.95]$ MOUNTING HOLE.
FOR RIGHT ANGLE VERSION ONLY: #2-56 BOLT AND NUT (3M PART #3341-6) WITH $\varnothing .106 [2.69]$ 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).

Imaged: S.1 3/6/2015 12:54 PM UTC-06:00

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

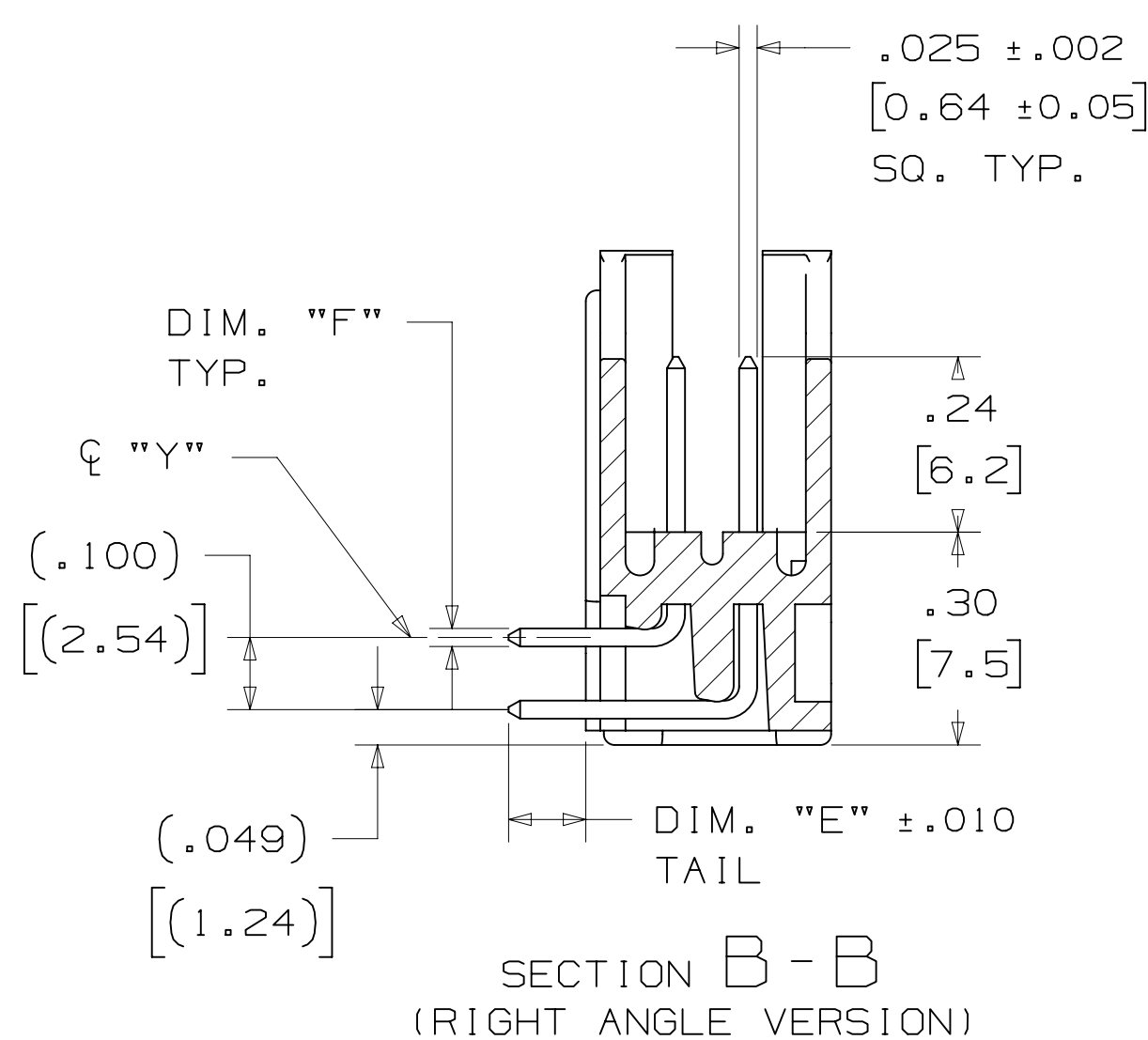
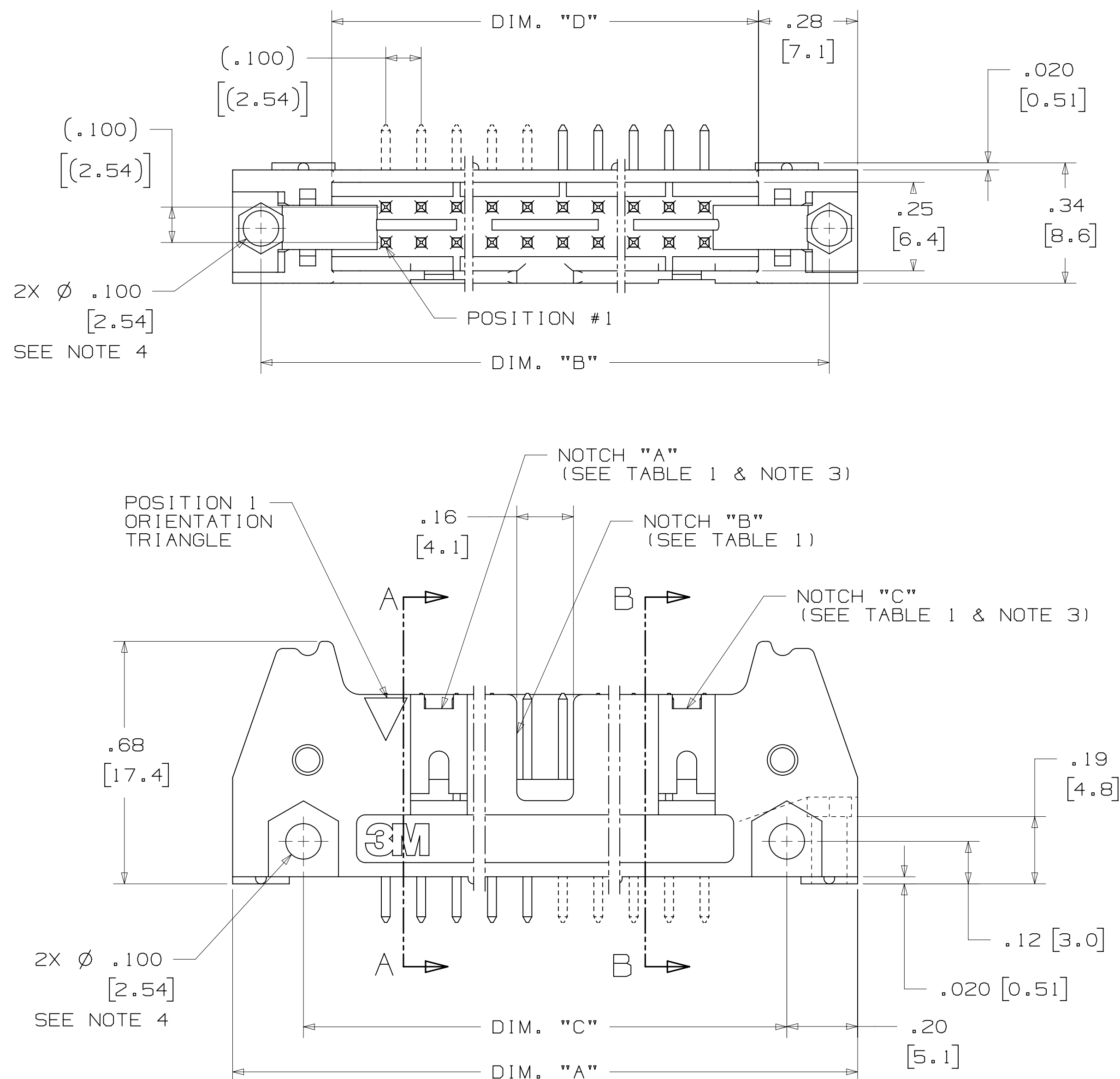
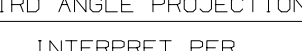


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY
06	3869	1.06 [27.0]	.905 [22.99]	.665 [16.89]	.51 [12.9]	B*	06
08	3889	1.16 [29.5]	1.005 [25.53]	.765 [19.43]	.61 [15.5]	B*	08
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	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"
-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			
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DO NOT SCALE		SCALE		TOLERANCES EXCEPT AS NOTED		TITLE			
DRAWING		4 1				 3M Center St. Paul, MN 55144			
THIRD ANGLE PROJECTION				INCHES .00 ± .00 ± .01 .000 ± .005 .0000 ±		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
INTERPRET PER ASME Y14.5 - 2009				MILLIMETERS 0 ± .0 ± .3 .00 ± .13 .000 ±		CAGE NUMBER D DRAWING NO. D78-5100-0772-3 REV. S			
MAX SURFACE ROUGHNESS				ANGLE		MODEL 3000 SERIES			
☒ UNFINISHED SURFACES ☐ MARKED ONLY		☐ UNFINISHED SURFACES ☐ MARKED ONLY		☐ UNFINISHED SURFACES ☐ MARKED ONLY		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
AZUL CODES		DATE		DRP CASTIGLIONE		MFG JUL 25, 2014		DATE	
				CHKD		DATE		APPRV. R. SCHERER	
								SEP 05, 2014	
DIVISION Interconnect Solutions		DIVISION CODE EMSD		 © 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.		TOLERANCES EXCEPT AS NOTED INCHES .00 .01 .000 .005 .0000 MILLIMETERS 0 .3 .00 .13			
DO NOT SCALE DRAWING		SCALE 4 1							
 THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009							
MAX SURFACE ROUGHNESS		DRAWN SURFACES							
✓ ☐ MARKED ONLY		ANGLE =							
TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA						CAGE NUMBER	SIZE	DRAWING NO.	REV.
						D		078-5100-0772-3	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

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 ± .005		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
MAX SURFACE ROUGHNESS		.00 ± .13		.00 ± .000		CAGE NUMBER			
MARKED ONLY		ANGLES		3000 SERIES		DRAWING NO. D 78-5100-0772-3			
						REV. S			
						SHT 4 OF 4			