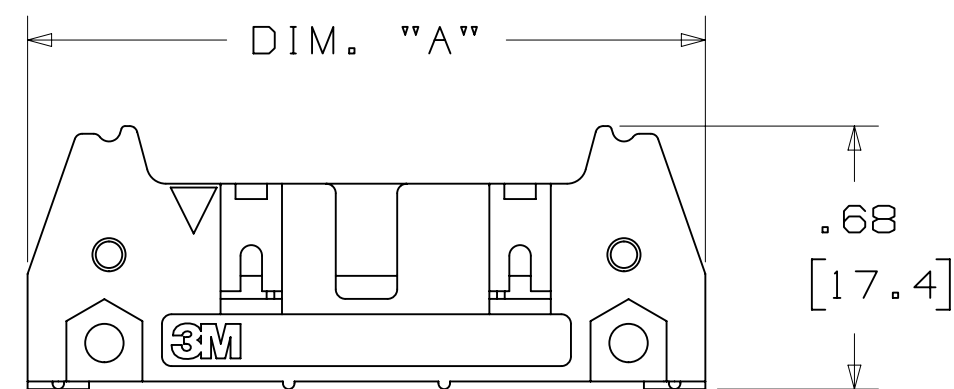
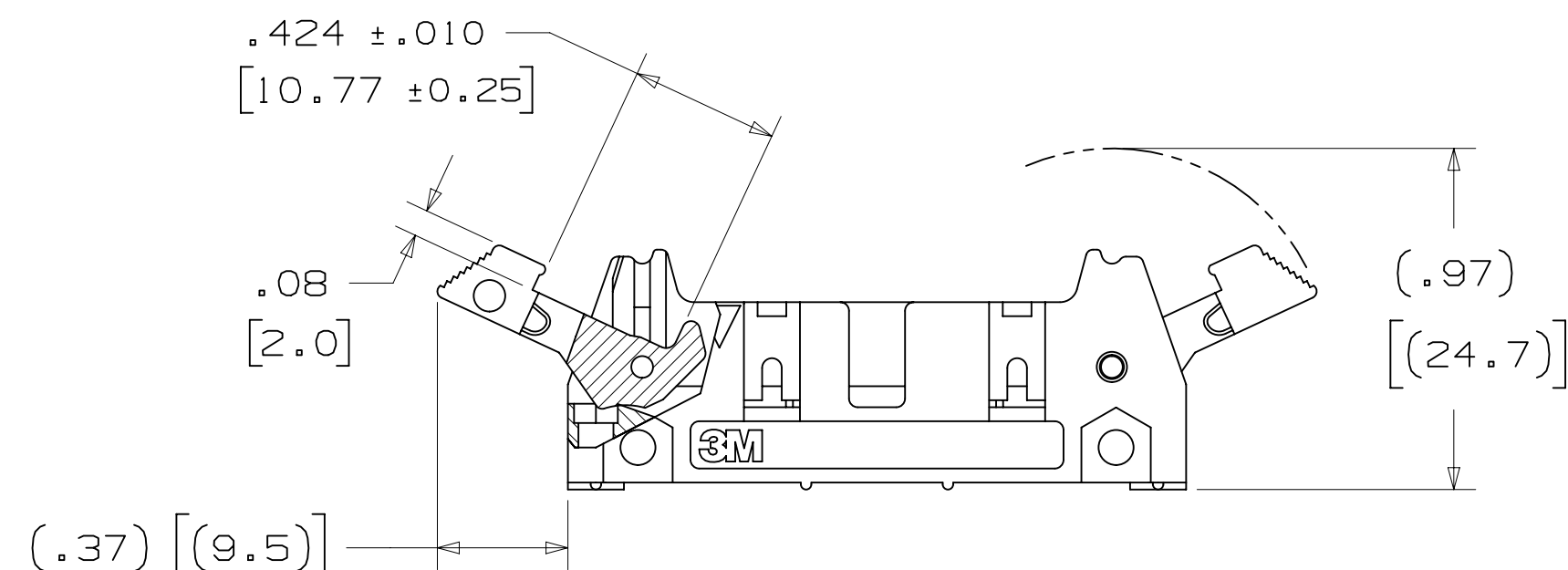


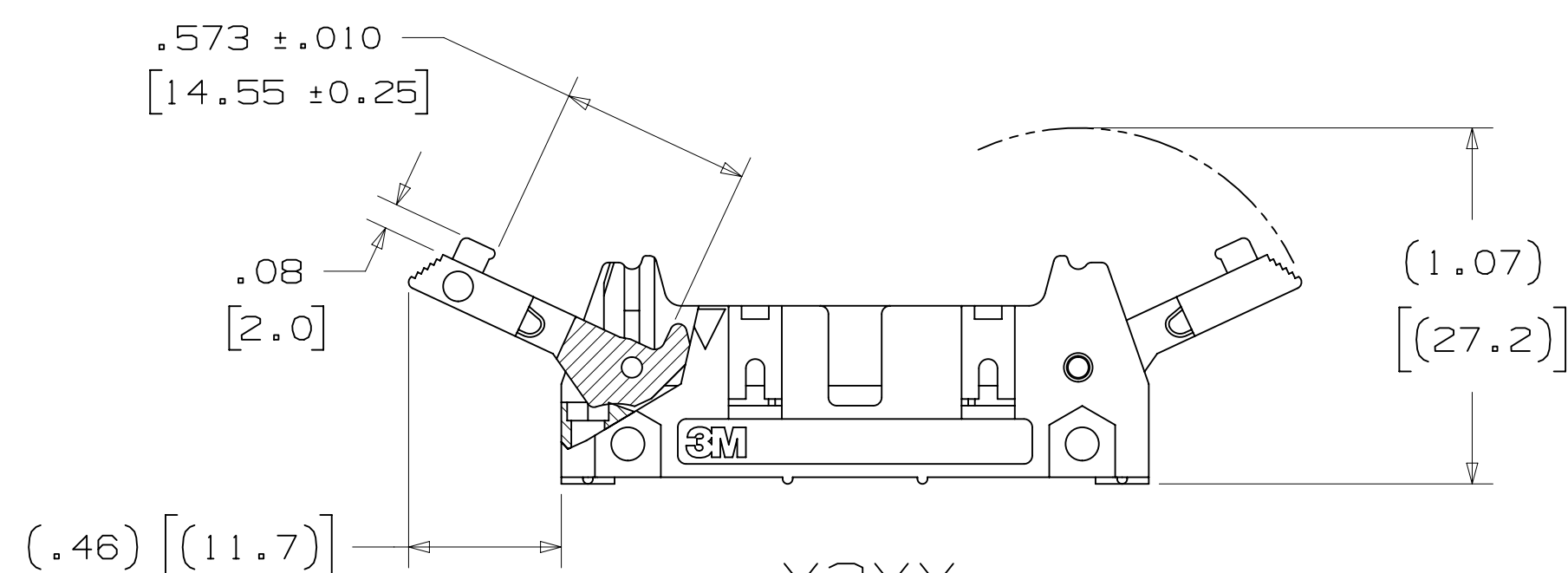
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-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 [1.39 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

```

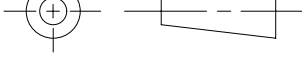
2 ELECTRICAL :

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

DESIGN REFERENCE				NEXT ASSEMBLY				REV		ECO		ISSUE DATE AND DESCRIPTION				DRFT		CHKD					
ACCORDS								DRFT		CASTIGLIONE		DATE		JUL 25, 2014		MFO		DATE					
												DATE				APPRV.		R. SCHERER					
																SEP 05, 2014							
DIVISION								DIVISION CODE								© 3M COPYRIGHT 2015							
Interconnect Solutions								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.							
DO NOT SCALE DRAWING				SCALE 2 1								3M Center St. Paul, MN 55144											
								INCHES								TITLE							
								.0 ± .00 ± .01 .000 ± .005 .0000 ±								HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA							
				THIRD ANGLE PROJECTION																			
				INTERPRET PER ASME Y14.5 - 2009				MILLIMETERS 0 ± .0 ± .13 .00 ± .005 .000 ±															
				☒ MAX SURFACE ROUGHNESS ☐ ALL SURFACES ☐ MARKED ONLY												CAGE NUMBER D 78-5100-0772-3				REV. S			
								ANGLES 0 ± .0 ± .13 .00 ± .005 .000 ±								MODEL				3000 SERIES			
																DET. SHTS YES X NO				SHT 1 OF			

UL
UL FILE NO: E68080

A

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

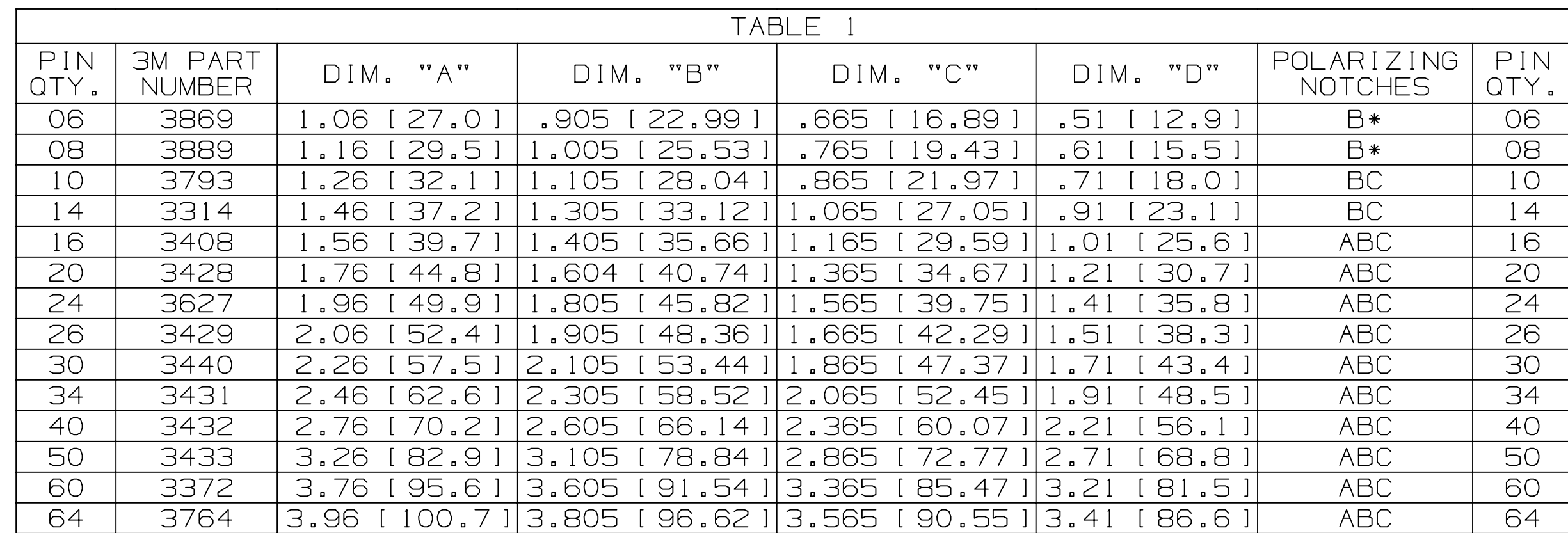
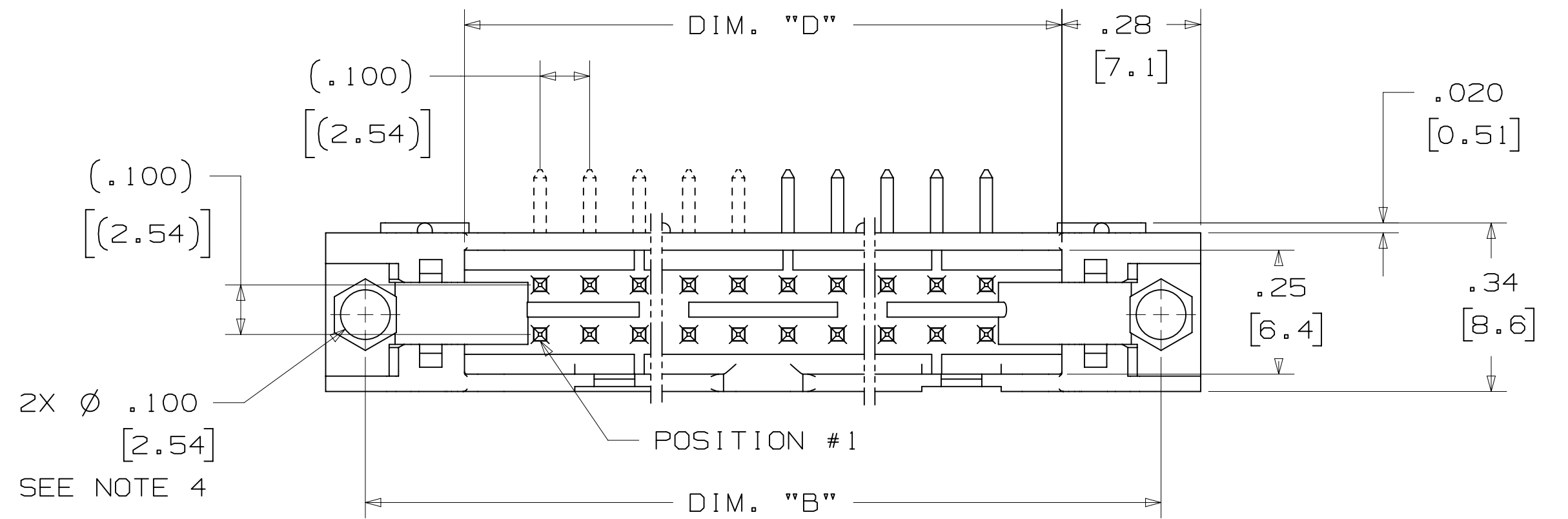
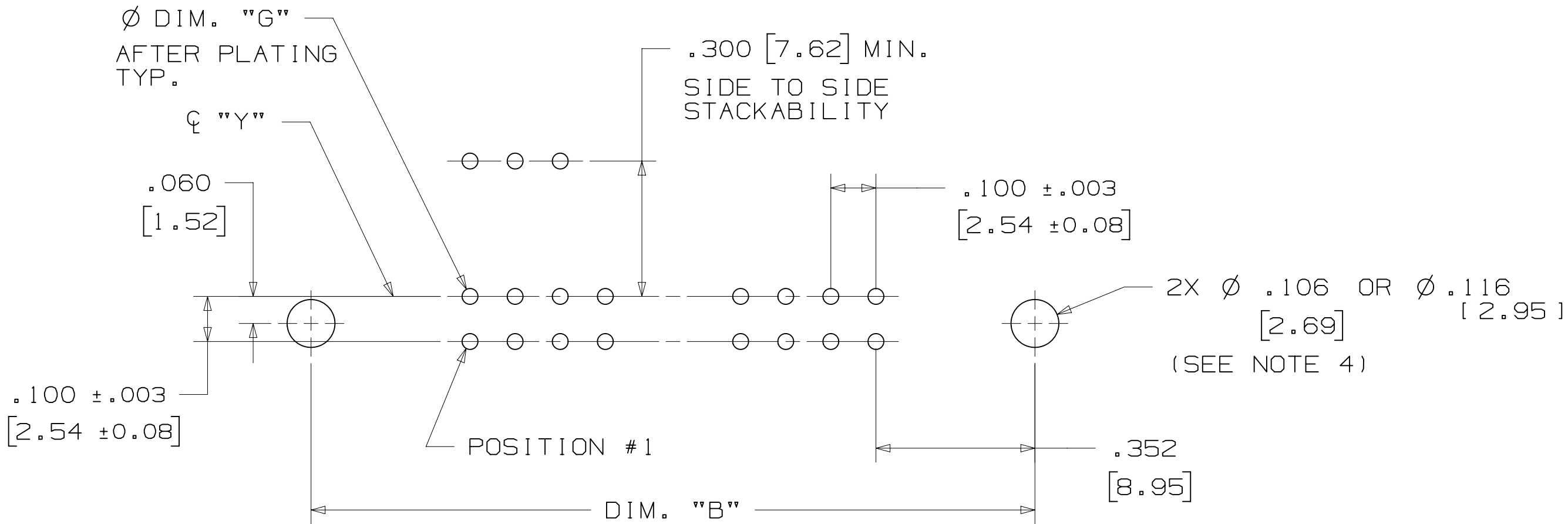


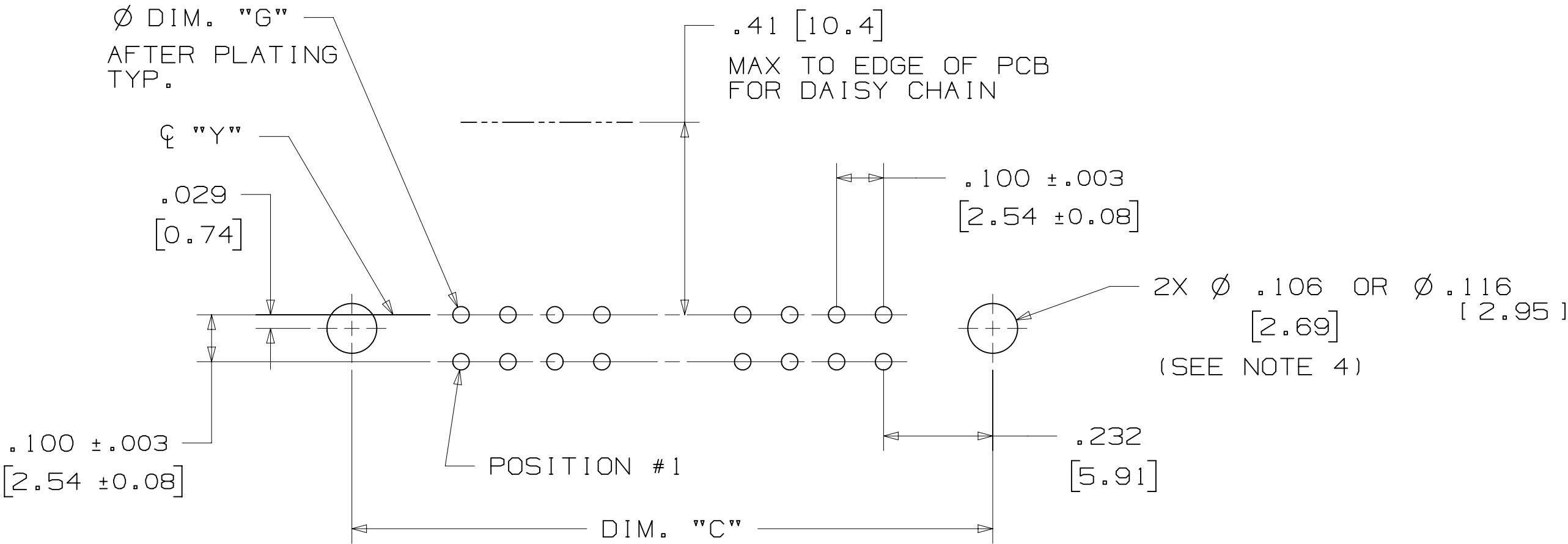
TABLE 2						
3M PART NUMBER SUFFIX	CONTACT TAIL	DIM. "E"	PIN CROSS SECTION			DIM. "G"
-5XX2	.062 [1.57] THICK PC BOARD	.112 [2.84]	DIM. "F"	DIAGONALS	CORNER RADIUS	.035+/- .003 [.89] SEE NOTE 5
-6XX2			.0245+/- .0005 [.622]	.028+/- .001 [.71]	.0075 REF. [.191]	
-5X03	.094 [2.39] TO .125 [3.18] THICK 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	
ACCORDS				BPN		CASTIGLIONE		DATE		MFG		DATE	
								JUL 25, 2014					
				CHKD				DATE		APPRV		DATE	
										R. SCHERER		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		TOLERANCES EXCEPT AS NOTED									
		4 1											
				INCHES				TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA					
THIRD ANGLE PROJECTION				.00 ± .01 .000 ± .005 .0000 ±									
INTERPRET PER ASME Y14.5 - 2009				MILLIMETERS				CAGE NUMBER D 78-5100-0772-3 SIZE D					
MAX SURFACE ROUGHNESS MAX SURFACES ☒ MARKED ONLY				.0 ± .3 .00 ± .13 .000 ±									
				ANGLS				MODEL		DET.		REV.	
								3000 SERIES		LISTS		YES X 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

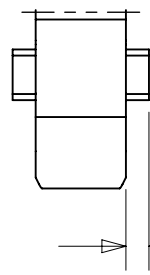
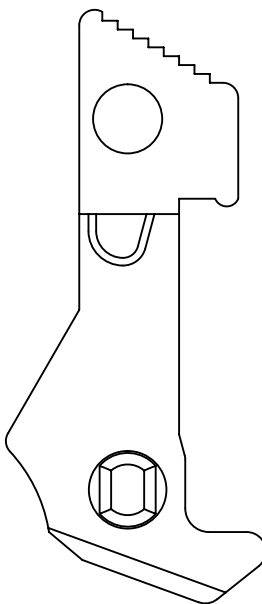
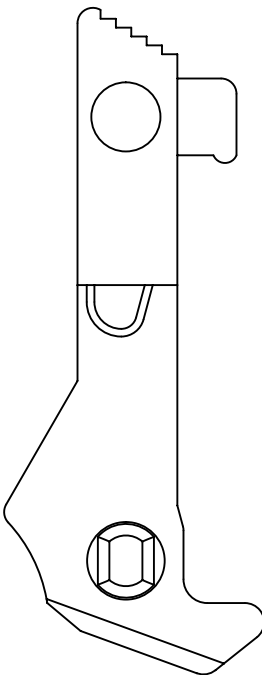
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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

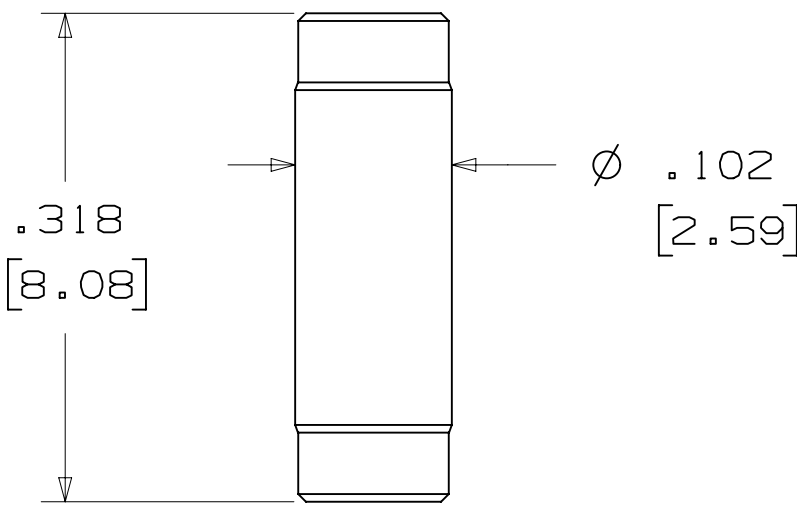


(.03)
[(0.8)]
TYP.

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

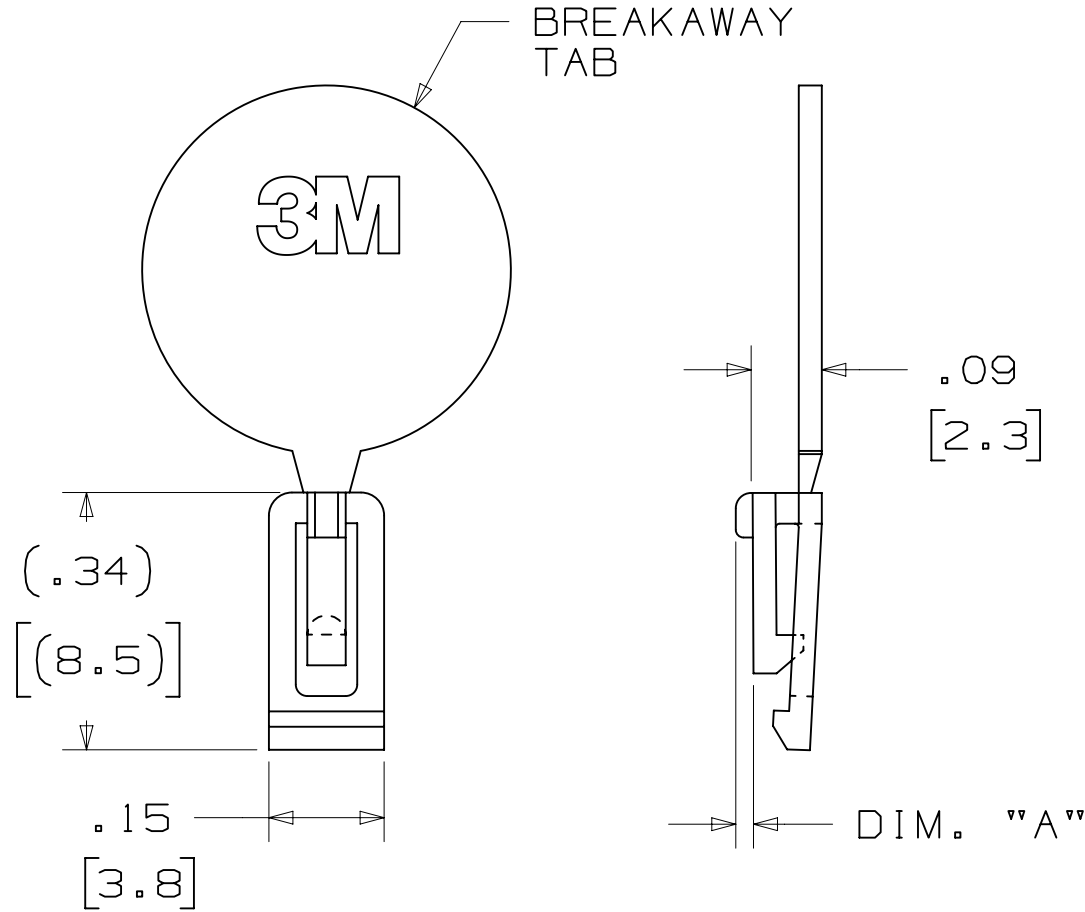
NOTE:
INSERT POST INTO ONE MOUNTING HARDWARE HOLE ON BOTTOM OF HEADER. SET POST TO PROTRUDE .115 [2.92]

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



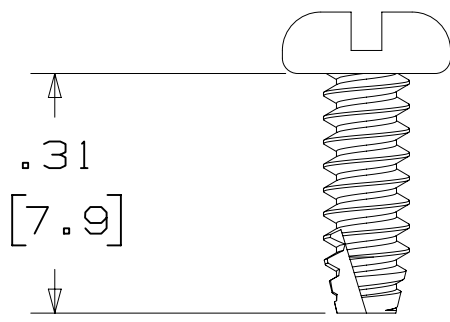
3M PART NO.	MATERIAL	COLOR	DIM. 'A'
N3518	LCP	BLACK	.02

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

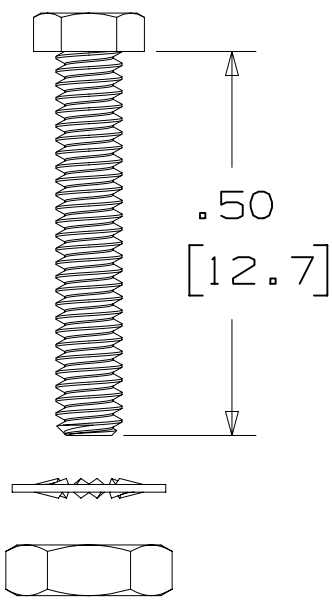
DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES		XREF CODES		DRP	CASTIGLIONE	DATE	JUL 25, 2014	MFG	DATE
DIVISION		DIVISION CODE		CHKD	DATE	APPR	R. SCHERER	DATE	SEP 05, 2014
Interconnect Solutions		EMSD		© 3M COPYRIGHT 2015					
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED					
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		INCHES .0 .00 .000 .0000 ± .01 ±.005 ±.0000 ±					
MAX SURFACE ROUGHNESS		MILLIMETERS 0 ± .0 .00 ±.03 ±.000 ±		ANGLES					
MARKED ONLY		CAGE NUMBER		SIZE DRAWING NO. 78-5100-0772-3					
		MODEL		3000 SERIES					
				LISTS YES NO SHT 3 OF 4					

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

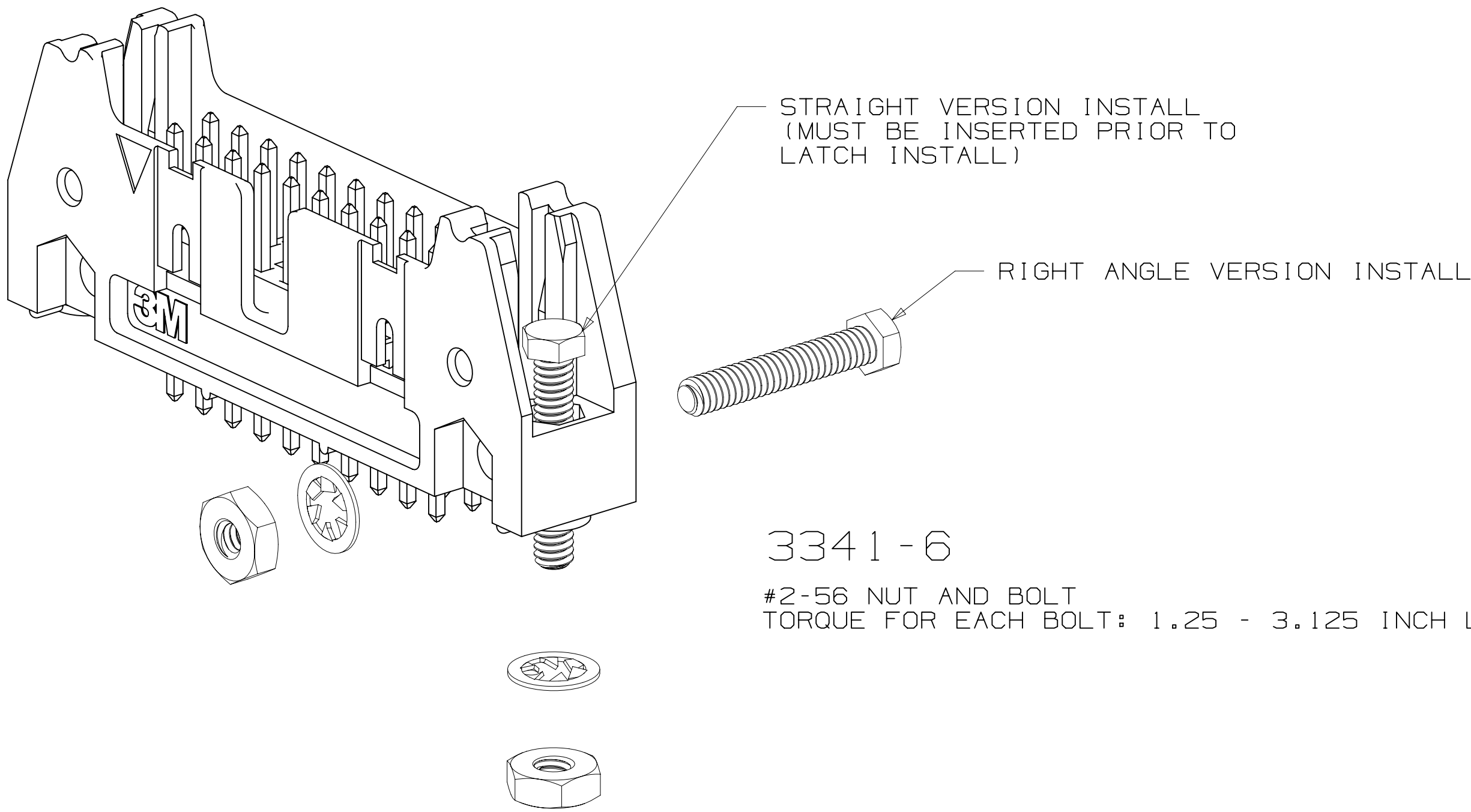
MOUNTING HARDWARE



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



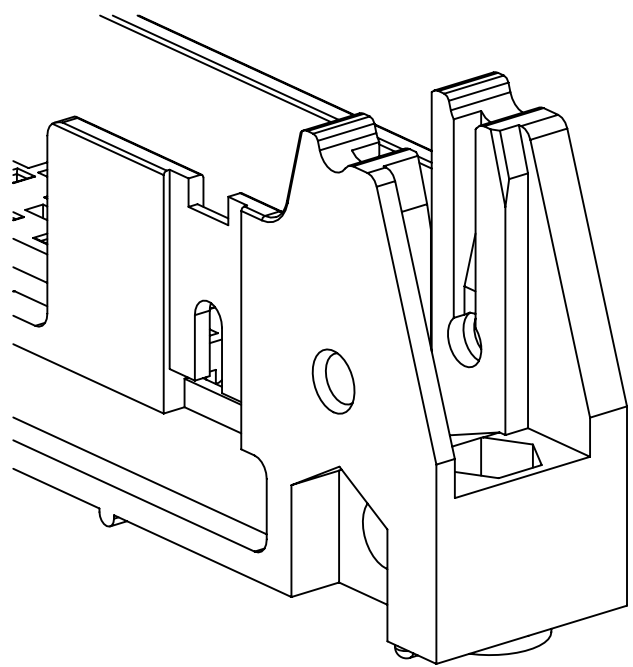
3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



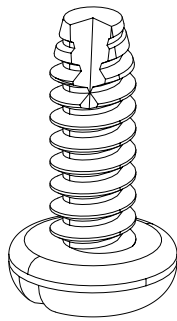
STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

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		DPR		DATE		MFG		DATE	
CODES		CASTIGLIONE		JUL 25, 2014		R. SCHERER		SEP 05, 2014	
DIVISION		DIVISION CODE		S		60056		MAR 06, 2015	
Interconnect Solutions		EMSD		R		56068		JUL 25, 2014	
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		JUL 25, 2014		REVISED AND REDRAWN	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		CAGE NUMBER		DRAWING NO.	
MAX SURFACE ROUGHNESS		SURFACES		INCHES		D		78-5100-0772-3	
MARKED ONLY		ANGLES		MODEL		3000 SERIES		REV.	
								S	