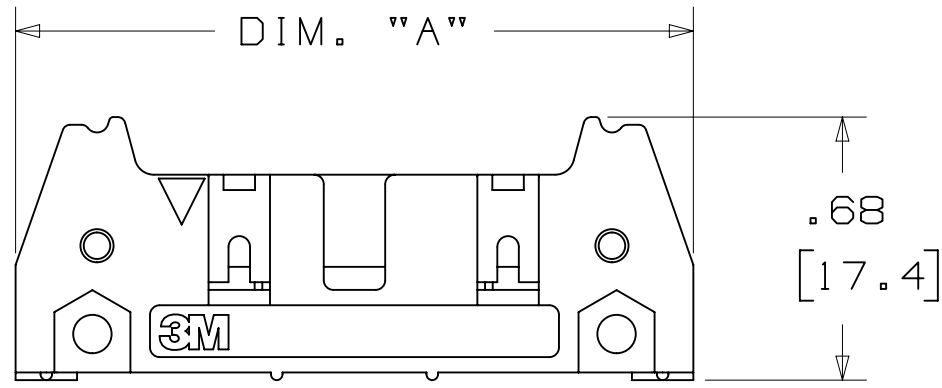


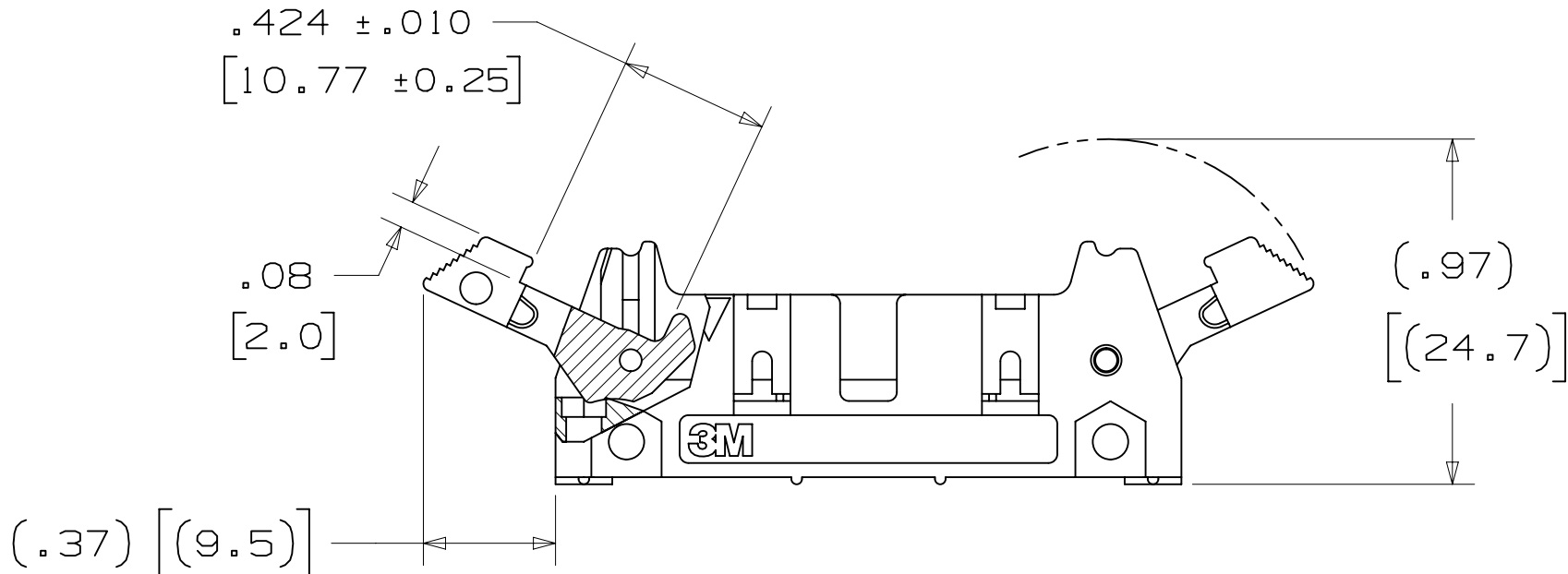
3M™ FOUR-WALL HEADER, 3000 SERIES

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



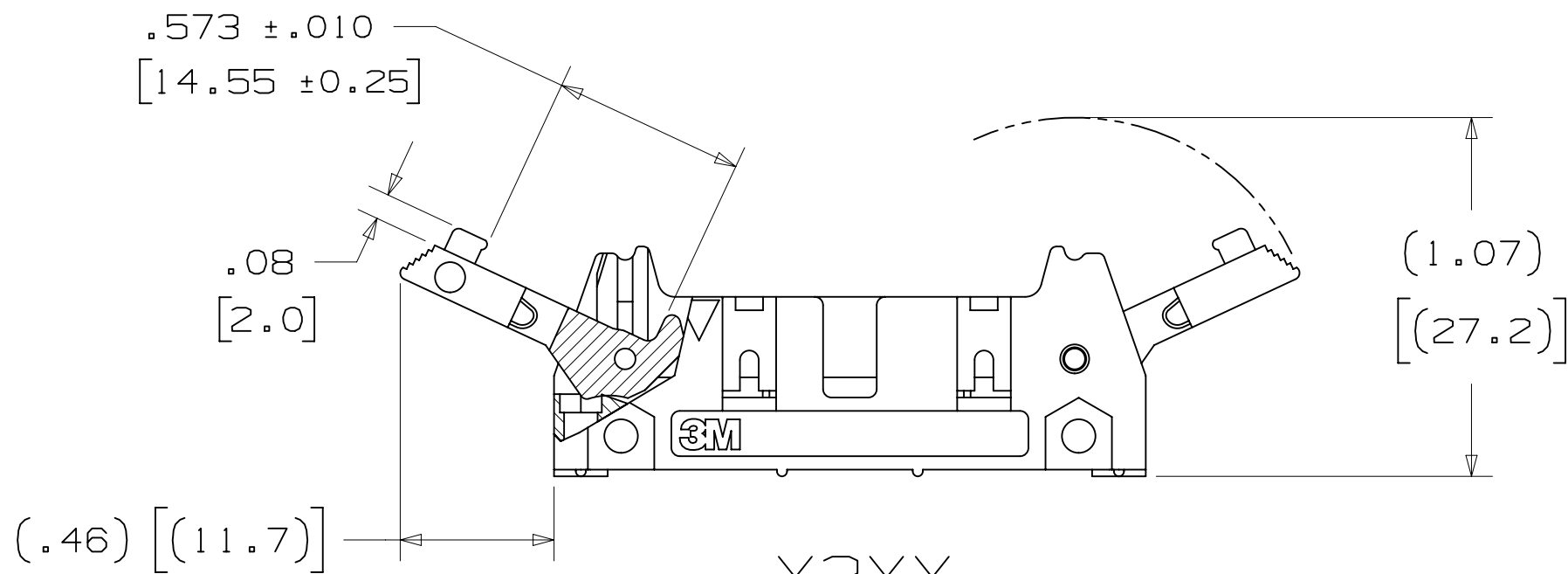
-X0XX

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

2 PHYSICAL :

INSULATOR: GLASS FILLED POLYESTER (PCT)
MATERIAL: UL94V-0
FLAMMABILITY: 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 X 10⁹Ω 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)

ORDERING INFORMATION

X3XXX-XXXXXX

N= HIGH TEMP BLACK (PCT)/(RB PLATING REQ'D)
BLANK= (UB PLATING)

3M PART NUMBER:
(SEE TABLE 1)

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

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:
02 = FOR .062 [1.57] THICK BOARD
03 = 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

3M ELECTRONIC MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3mconnectors.com>

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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.

- NOTES
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 Ø.035±.002. (SEE K2 VERSION).

DIMENSIONS: INCHES [MM]
[MM] IS REF. ONLY

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
CODES				DATE	DATE	DATE
				JUL 25, 2014		
				R. SCHERER		
				SEP 05, 2014		
DIVISION	DIVISION CODE					
Interconnect Solutions	EMSD					
DO NOT SCALE DRAWING	SCALE 2 1	TOLERANCES EXCEPT AS NOTED				
		INCHES				
		.0 ±.01				
		.000 ±.005				
		.0000 ±				
THIRD ANGLE PROJECTION		MILLIMETERS				
		0 ±				
		.0 ±.3				
		.00 ±.13				
		.000 ±				
MAX SURFACE ROUGHNESS		ANGLES				
✓	✓					
MARKED ONLY						
		TITLE		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA		
		CAGE NUMBER	SIZE	DRAWING NO.	REV.	
		D	78-5100-0772-3	S		
		MODEL	3000 SERIES		DET	SHT 1 OF 4

UL FILE NO: E68080

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

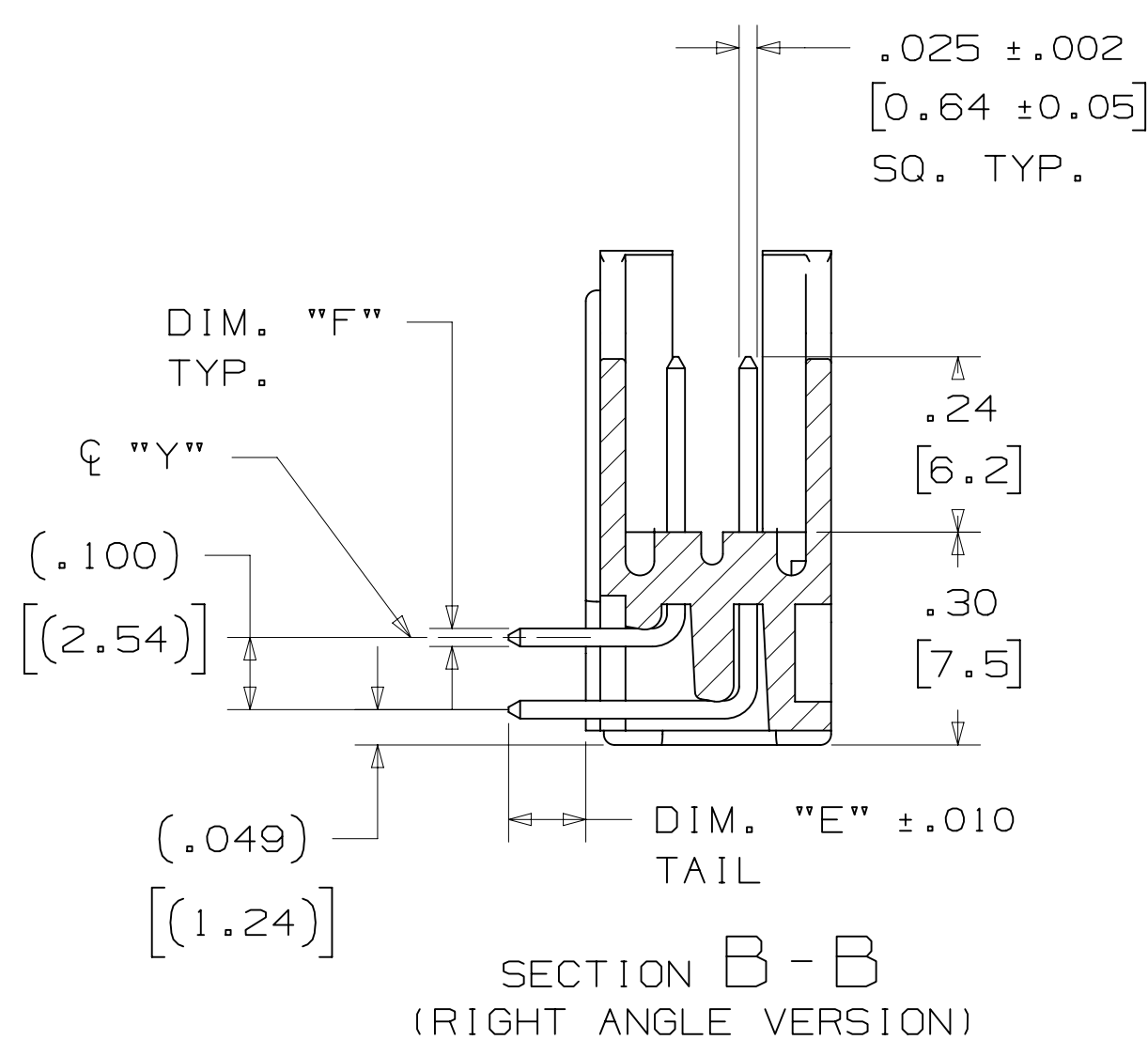
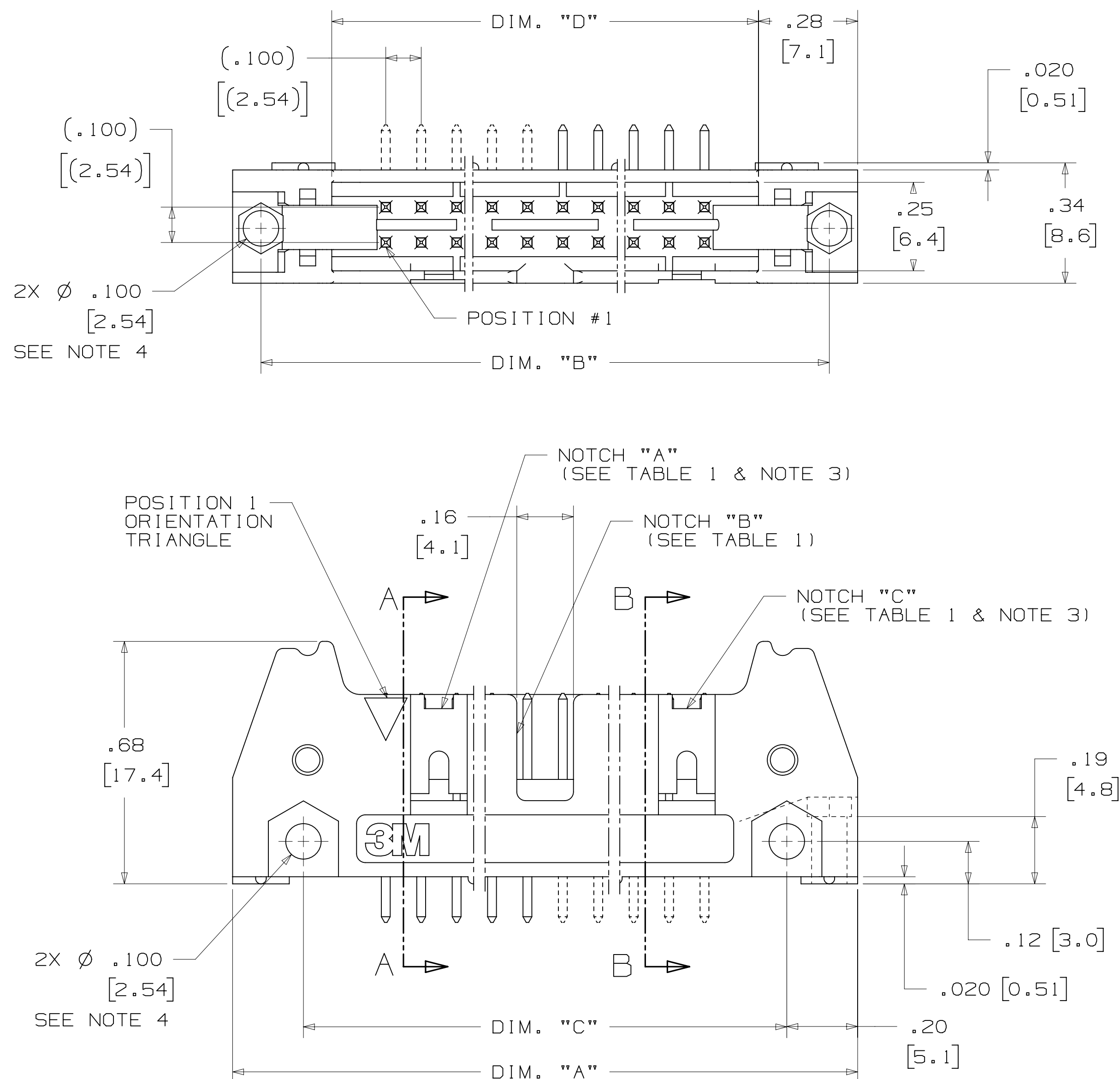


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY
06	3869	1.06 [27.0]	.905 [22.99]	.665 [16.89]	.51 [12.9]	B*	06
08	3889	1.16 [29.5]	1.005 [25.53]	.765 [19.43]	.61 [15.5]	B*	08
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	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						

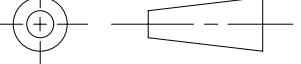


DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ASSEMBLY CODES				DRFT	CASTIGLIONE		MFG	DATE	
				CHKD	JUL 25, 2014		APPR	SEP 05, 2014	
				DATE		R. SCHERER			
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DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		TITLE			
		THIRD ANGLE PROJECTION		INCHES		 HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		INCHES		CAGE NUMBER			
		0 ± .01 0.000 ± .005 0.0000 ±		0 ± .3 0.00 ± .13 0.000 ±		SIZE			
~~MAX SURFACE ROUGHNESS~~		~~1.6~~		~~1.6~~		DRAWING NO.			
~~ALL SURFACES~~		~~1.6~~		~~1.6~~		D 78-5100-0772-3			
☒ MARKED ONLY		☐ MARKED ONLY		☐ MARKED ONLY		REV.			
~~ANGLE~~		~~ANGLE~~		~~ANGLE~~		S			
~~MODEL~~		~~MODEL~~		~~MODEL~~		DET			
~~3000 SERIES~~		~~3000 SERIES~~		~~3000 SERIES~~		LISTS ☐ YES ☒ NO			
~~3000 SERIES~~		~~3000 SERIES~~		~~3000 SERIES~~		SHT 2 OF 2			

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

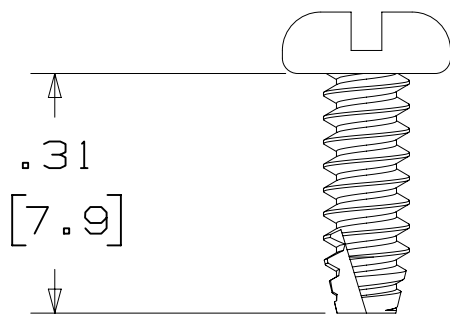


 (.03)
 [(0.8)]
 TYP.

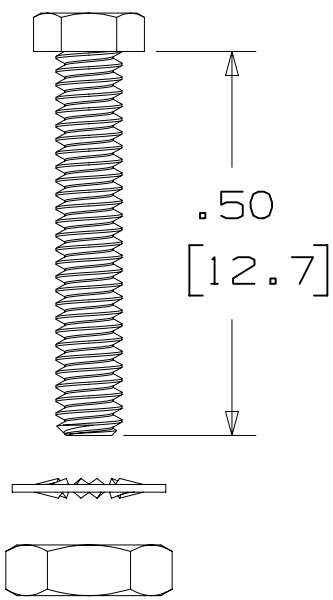
DESIGN REFERENCE		NEXT ASSEMBLY		REV.	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACROSS				BPM		DATE		MFG	DATE
				CASTIGLIONE		JUL 25, 2014			
				CHKD	DATE	APPRV.		R. SCHERER	DATE SEP 05, 2014
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SCALE 4/1									
		INCHES		TITLE		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
THIRD ANGLE PROJECTION		.00 ± .01 .000 ± .005 .0000 ±		CAGE NUMBER SIZE DRAWING NO. D 78-5100-0772-3					
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ± .0 ± .3 .00 ± .13 .000 ±		REV. S					
~~MAX SURFACE ROUGHNESS~~ ~~ALL SURFACES~~ ☒ MARKED ONLY		~~ALL DIMENSIONS~~		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

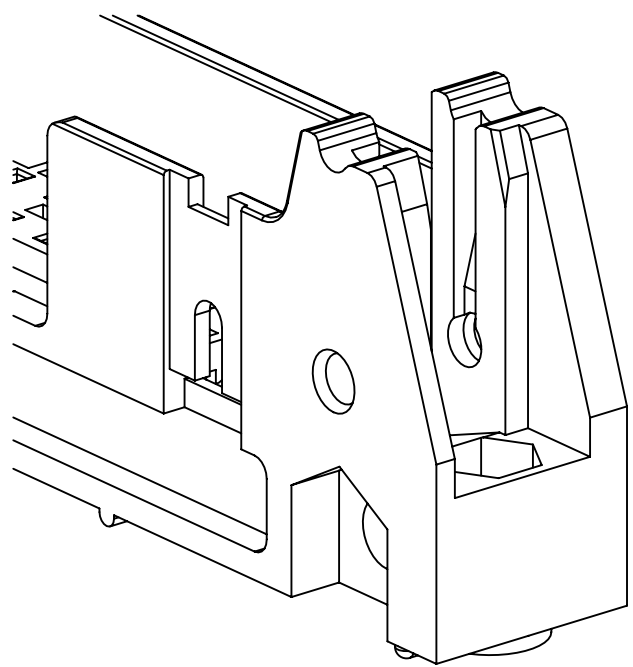
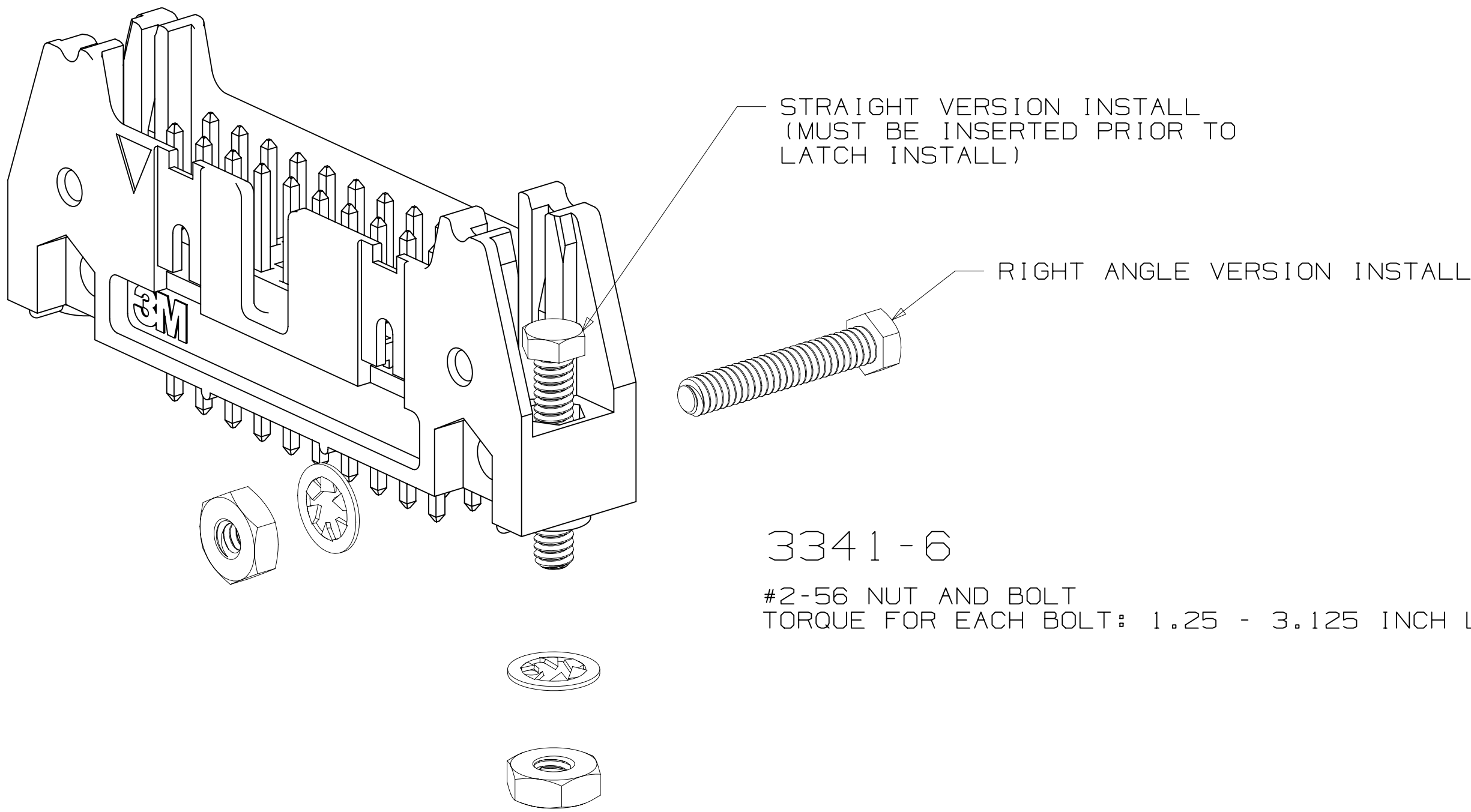
MOUNTING HARDWARE



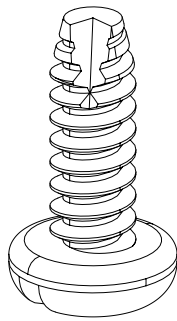
3341-5
(INSTALL FROM BOTTOM OF BOARD)
PANHEAD THREAD CUTTING SCREW:
#4-24 X 5/16"
TYPE: USA STD BT, FEDERAL BG
MATERIAL: STAINLESS STEEL



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



#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

S		60056		MAR 06,2015		JNC		RS	
R		56068		JUL 25,2014		JNC		RS	
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
DRPT		CASTIGLIONE		DATE JUL 25,2014		MFG		DATE	
CHKD				DATE		APPR. R. SCHERER		DATE SEP 05,2014	
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.0330 .0331 .0332 .0333 .0334 .0335 .0336 .0337 .0338 .0339 .0340 .0341 .0342 .0343 .0344 .0345 .0346 .0347 .0348 .0349 .0350 .0351 .0352 .0353 .0354 .0355 .0356 .0357 .0358 .0359 .0360 .0361 .0362 .0363 .0364 .0365 .0366 .0367 .0368 .0369 .0370 .0371 .0372 .0373 .0374 .0375 .0376 .0377 .0378 .0379 .0380 .0381 .0382 .0383 .0384 .0385 .0386 .0387 .0388 .0389 .0390 .0391 .0392 .0393 .0394 .0395 .0396 .0397 .0398 .0399 .0400 .0401 .0402 .0403 .0404 .0405 .0406 .0407 .0408 .0409 .0410 .0411 .0412 .0413 .0414 .0415 .0416 .0417 .0418 .0419 .0420 .0421 .0422 .0423 .0424 .0425 .0426 .0427 .0428 .0429 .0430 .0431 .0432 .0433 .0434 .0435 .0436 .0437 .0438 .0439 .0440 .0441 .0442 .0443 .0444 .0445 .0446 .0447 .0448 .0449 .0450 .0451 .0452 .0453 .0454 .0455 .0456 .0457 .0458 .0459 .0460 .0461 .0462 .0463 .0464 .0465 .0466 .0467 .0468 .0469 .0470 .0471 .0472 .0473 .0474 .0475 .0476 .0477 .0478 .0479 .0480 .0481 .0482 .0483 .0484 .0485 .0486 .0487 .0488 .0489 .0490 .0491 .0492 .0493 .0494 .0495 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.1990 .1991 .1992 .1993 .1994 .1995 .1996 .1997 .1998 .1999 .2000 .2001 .2002 .2003 .2004 .2005 .2006 .2007 .2008 .2009 .2010 .2011 .2012 .2013 .2014 .2015 .2016 .2017 .2018 .2019 .2020 .2021 .2022 .2023 .2024 .2025 .2026 .2027 .2028 .2029 .2030 .2031 .2032 .2033 .2034 .2035 .2036 .2037 .2038 .2039 .2040 .2041 .2042 .2043 .2044 .2045 .2046 .2047 .2048 .2049 .2050 .2051 .2052 .2053 .2054 .2055 .2056 .2057 .2058 .2059 .2060 .2061 .2062 .2063 .2064 .2065 .2066 .2067 .2068 .2069 .2070 .2071 .2072 .2073 .2074 .2075 .2076 .2077 .2078 .2079 .2080 .2081 .2082 .2083 .2084 .2085 .2086 .2087 .2088 .2089 .2090 .2091 .2092 .2093 .2094 .2095 .2096 .2097 .2098 .2099 .2100 .2101 .2102 .2103 .2104 .2105 .2106 .2107 .2108 .2109 .2110 .2111 .2112 .2113 .2114 .2115 .2116 .2117 .2118 .2119 .2120 .2121 .2122 .2123 .2124 .2125 .2126 .2127 .2128 .2129 .2130 .2131 .2132 .2133 .2134 .2135 .2136 .2137 .2138 .2139 .2140 .2141 .2142 .2143 .2144 .2145 .2146 .2147 .2148 .2149 .2150 .2151 .2152 .2153 .2154 .2155 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