

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



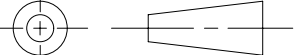
X3XXX-XXXXXX

CAUS
FILE NO: E68080

- 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)

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 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).

DESIGN REFERENCE		NEXT ASSEMBLY		REV.	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACROSS CODES				BPM	CASTIGLIONE	DATE	AUG 05, 2014	MFG	DATE
				CHKD		DATE		APPRV.	R. SCHERER
								DATE	SEP 05, 2014
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2015					
Interconnect Solutions		EMSD		 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		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.					
SCALE $\frac{2}{1}$		INCHES		TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA					
 THIRD ANGLE PROJECTION		MILLIMETERS		CAGE NUMBER D 78-5100-0771-5					
INTERPRET PER ASME Y14.5 - 2009		.0 ± .01 .000 ± .005 .0000 ±		SIZE DRAWING NO. DET. STS ☒ YES ☒ NO					
MAX SURFACE ROUGHNESS ☒ MAX SURFACES ☐ MARKED ONLY		0 ± .0 ± .3 .00 ± .13 .000 ±		SHT 1 OF 4					
		ANGLES		MODEL 3000 SERIES					

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

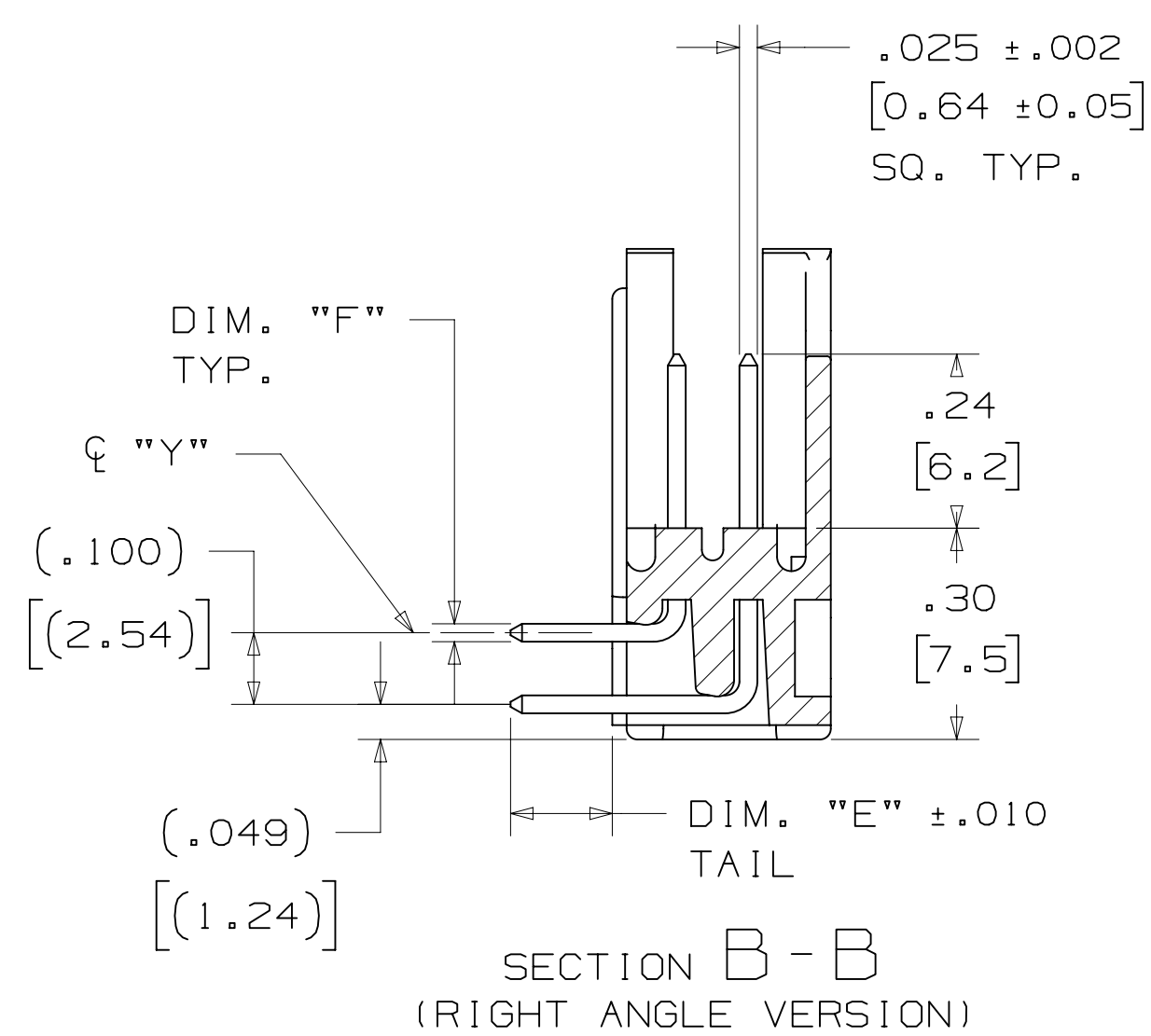
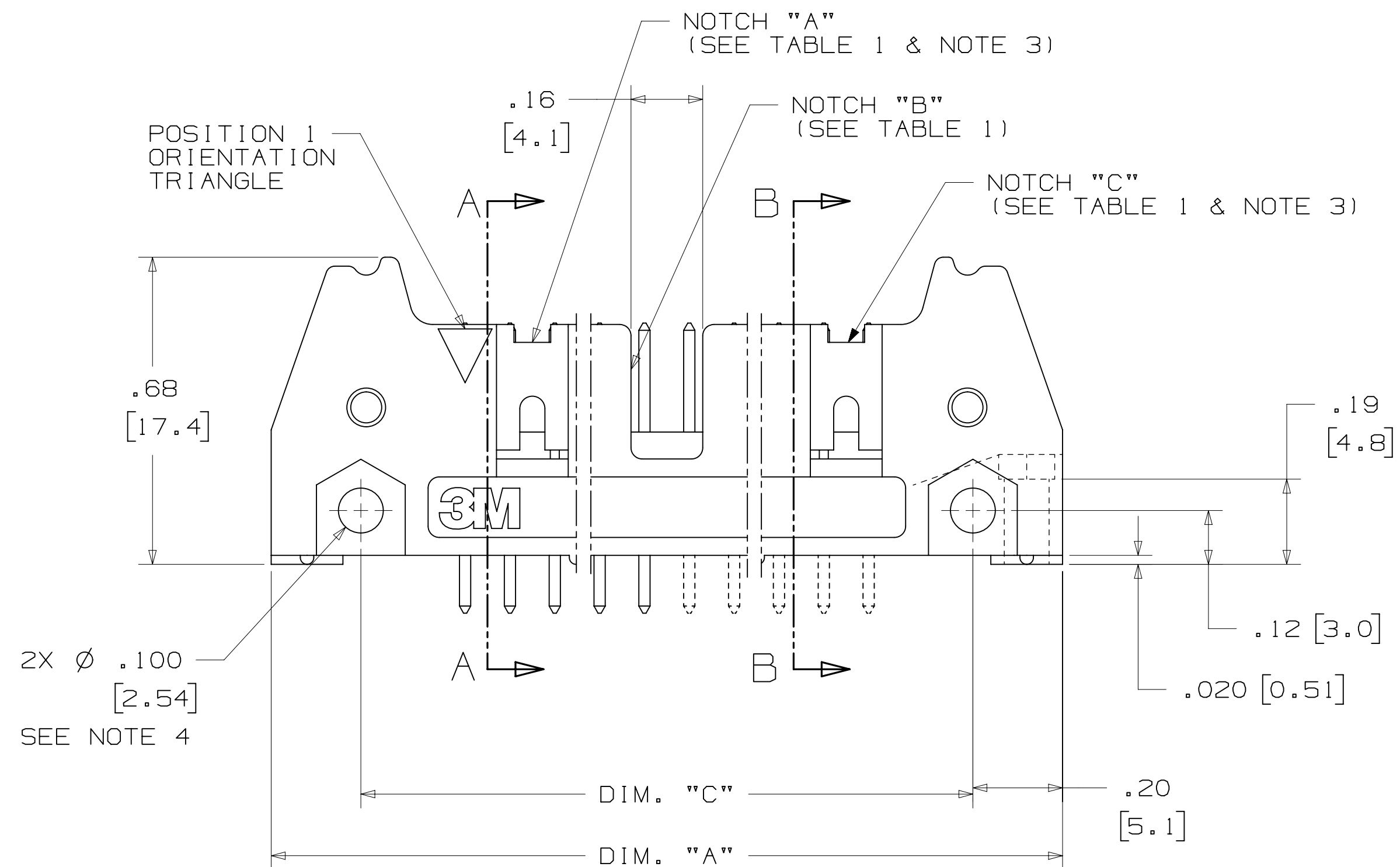
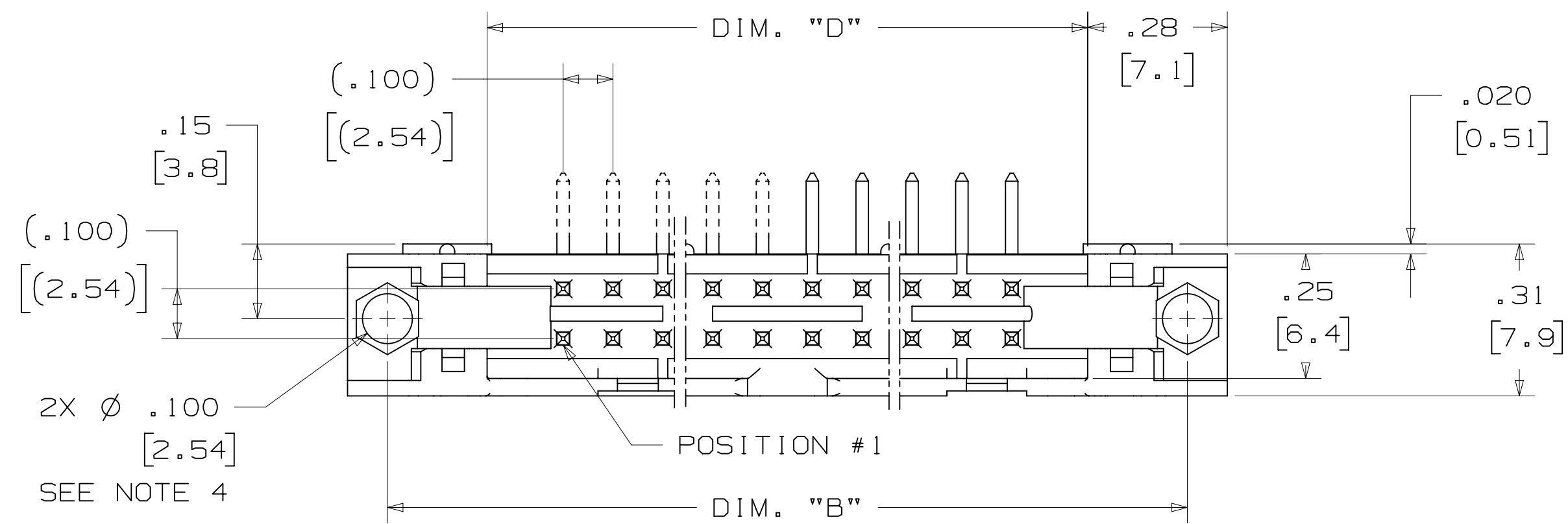


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20	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	.062 [1.57] THICK PC BOARD	.112 [2.84]	DIM. "F"	DIAGONALS	CORNER RADIUS	.035+/- .003 [.89] SEE NOTE 5
-2XX2			.0245+/- .0005 [.622]	.028+/- .001 [.71]	.0075 REF. [.191]	
-1X03	.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]
-2X03						



H	60056	MAR 06,2015			JNC	RS
		REVISED ORDERING				
		NUMBER				
G	56068	AUG 05,2014			JNC	RS
		REVISED AND REDRAWN				
REV	ECO	ISSUE DATE AND DESCRIPTION			DRFT	CHKD
DRFT CASTIGLIONE		DATE AUG 05,2014	MFG	DATE		
CHKD		DATE	APPROVAL R. SCHERER		DATE SEP 05,2014	
 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 the written 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.				
TITLE						
HEADER , 3-WALL , .100 X .100 LATCH/EJECTOR , STRAIGHT & RA						
CAGE NUMBER		SIZE	DRAWING NO.			REV.
D			78-5100-0771-5			H
MODEL		3000 SERIES		DET. LISTS ☐ YES ☒ NO SHT 2 OF 4		

3M™ THREE-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

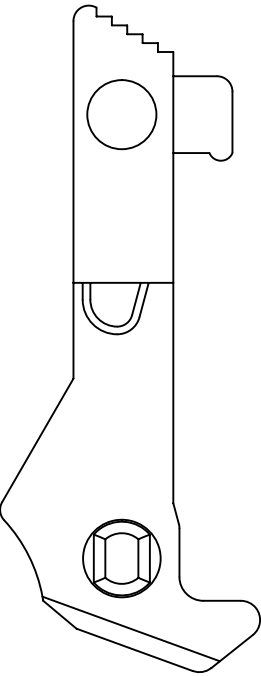
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

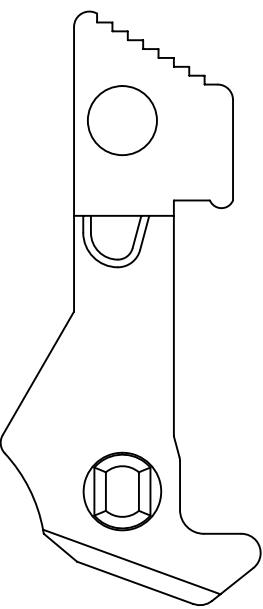
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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

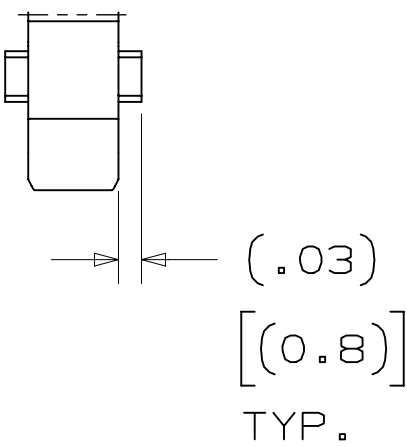


LONG



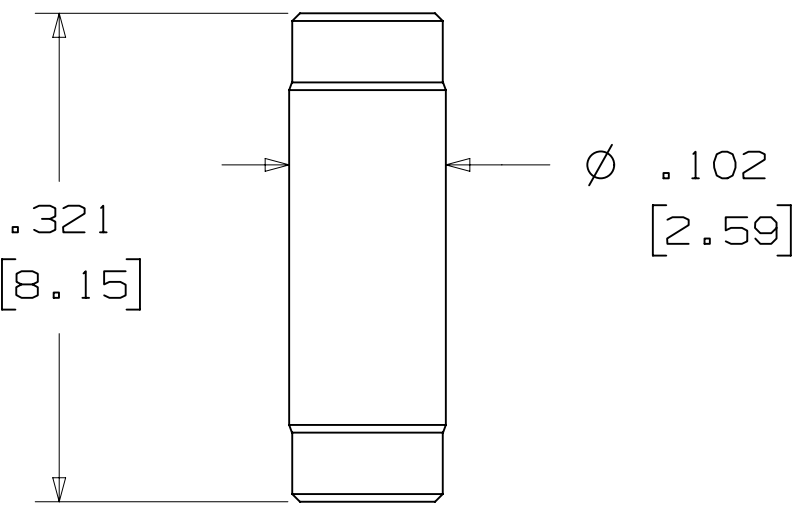
SHORT

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

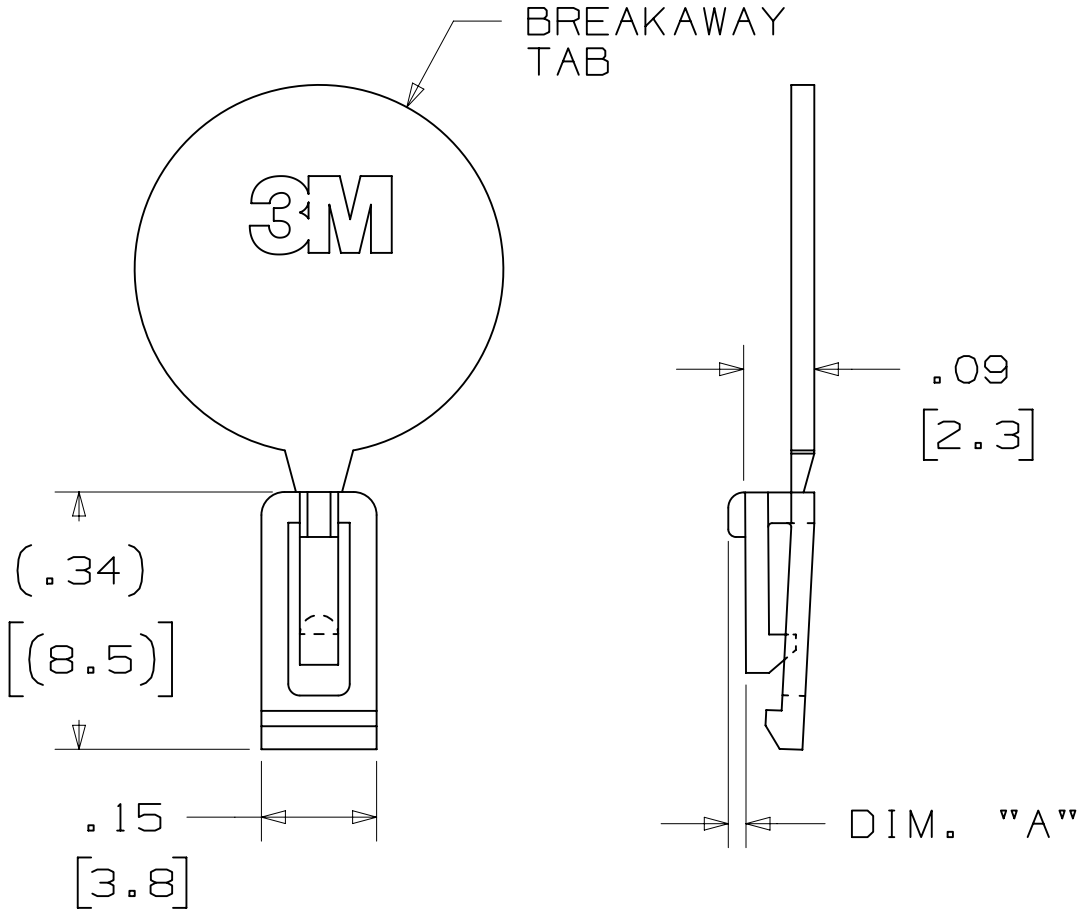
NOTE:
INSERT POST INTO ONE MOUNTING HARDWARE HOLE ON BOTTOM OF HEADER. SET POST TO PROTRUDE .115 [2.92]

(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
26	4	3	4	23	24
34	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 KEY



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		H	60056	MAR 06,2015 REVISE ORDERING NUMBER		JNC	RS
REV		ECO		G	56068	AUG 05,2014 REVISED AND REDRAWN		JNC	RS
DIVISION		DIVISION CODE		DATE		DATE		DATE	
Interconnect Solutions		EMSD		AUG 05,2014		MFG		SEP 05,2014	
DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED		INCHES		MILLIMETERS	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		SURFACES		MARKED ONLY	
CAGE NUMBER		SIZE		DRAWING NO.		REV.		SHT 3 OF 4	
D		78-5100-0771-5		H		3000 SERIES		LISTS	
MODEL		3000 SERIES		YES		NO		SHT 3 OF 4	

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

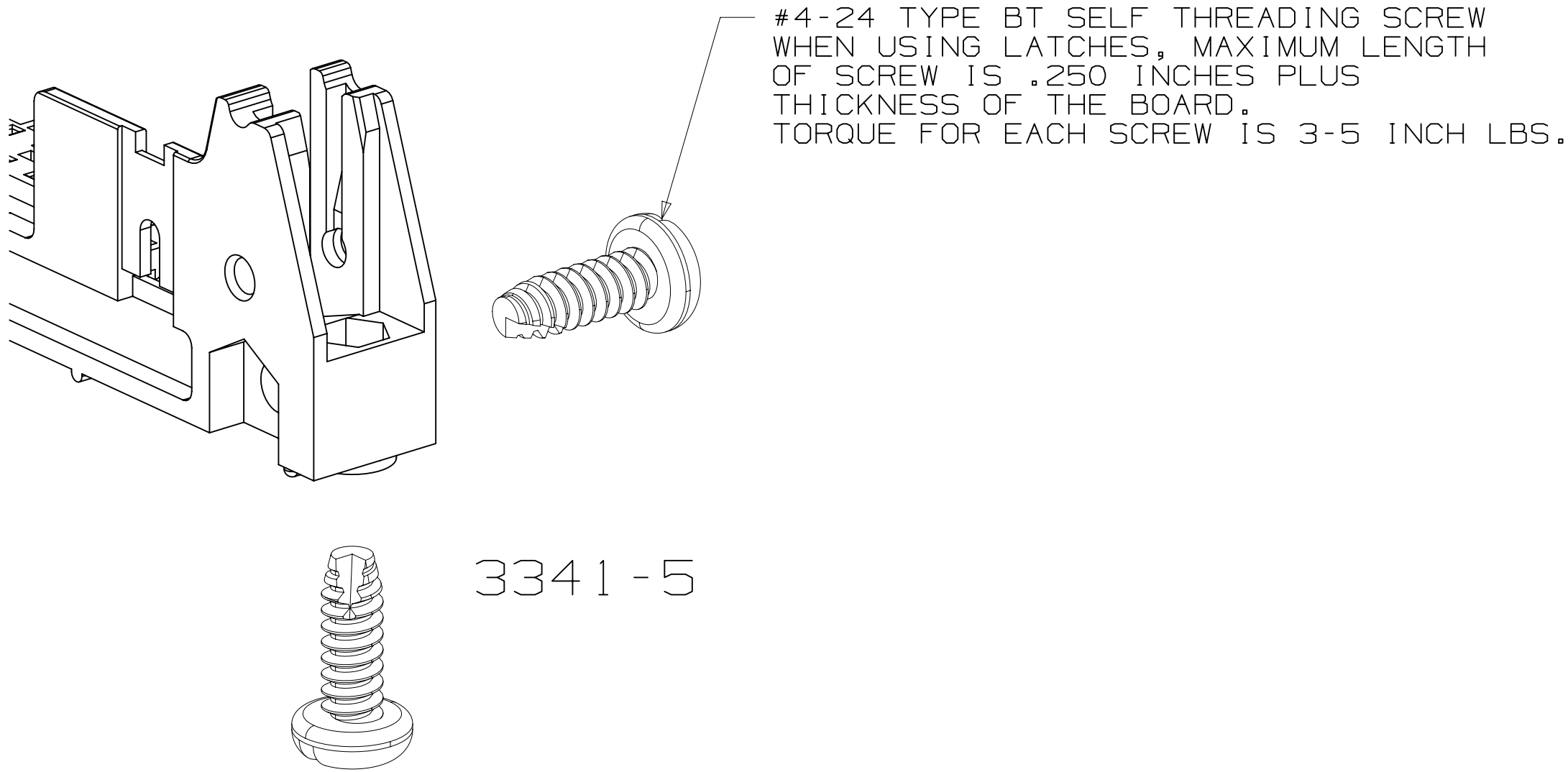
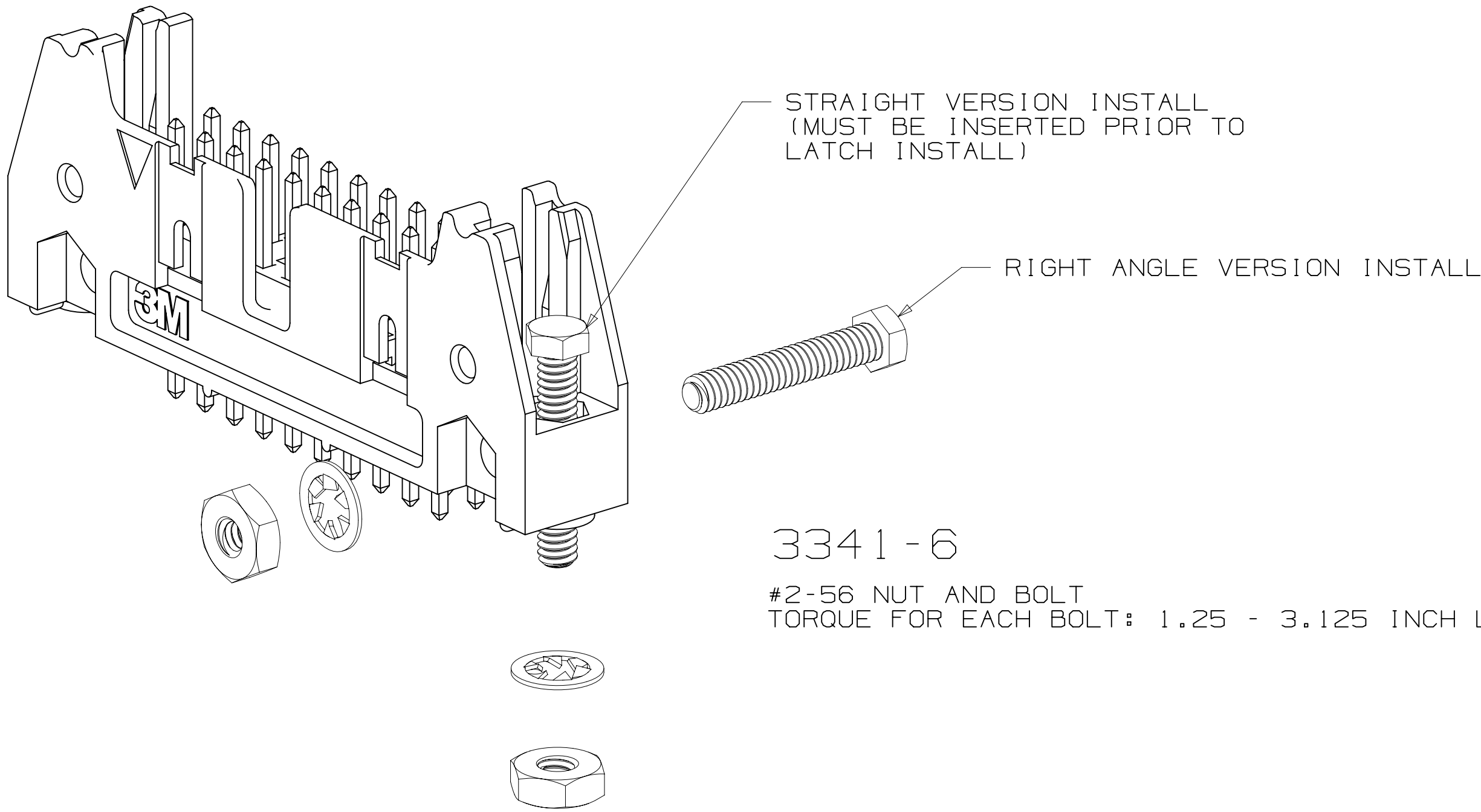
MOUNTING HARDWARE



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



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		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 .00 ± .01 .000 ± .0005 .0000 ±		MILLIMETERS 0 ± .0 ± .3 .00 ± .13 .000 ±		TITLE			
INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		CAGE NUMBER		SIZE		DRAWING NO.	
MARKED ONLY		ANGLES		D		78-5100-0771-5		REV.	
				MODEL		3000 SERIES		DET	
								YES NO	
								SHT 4 OF 4	