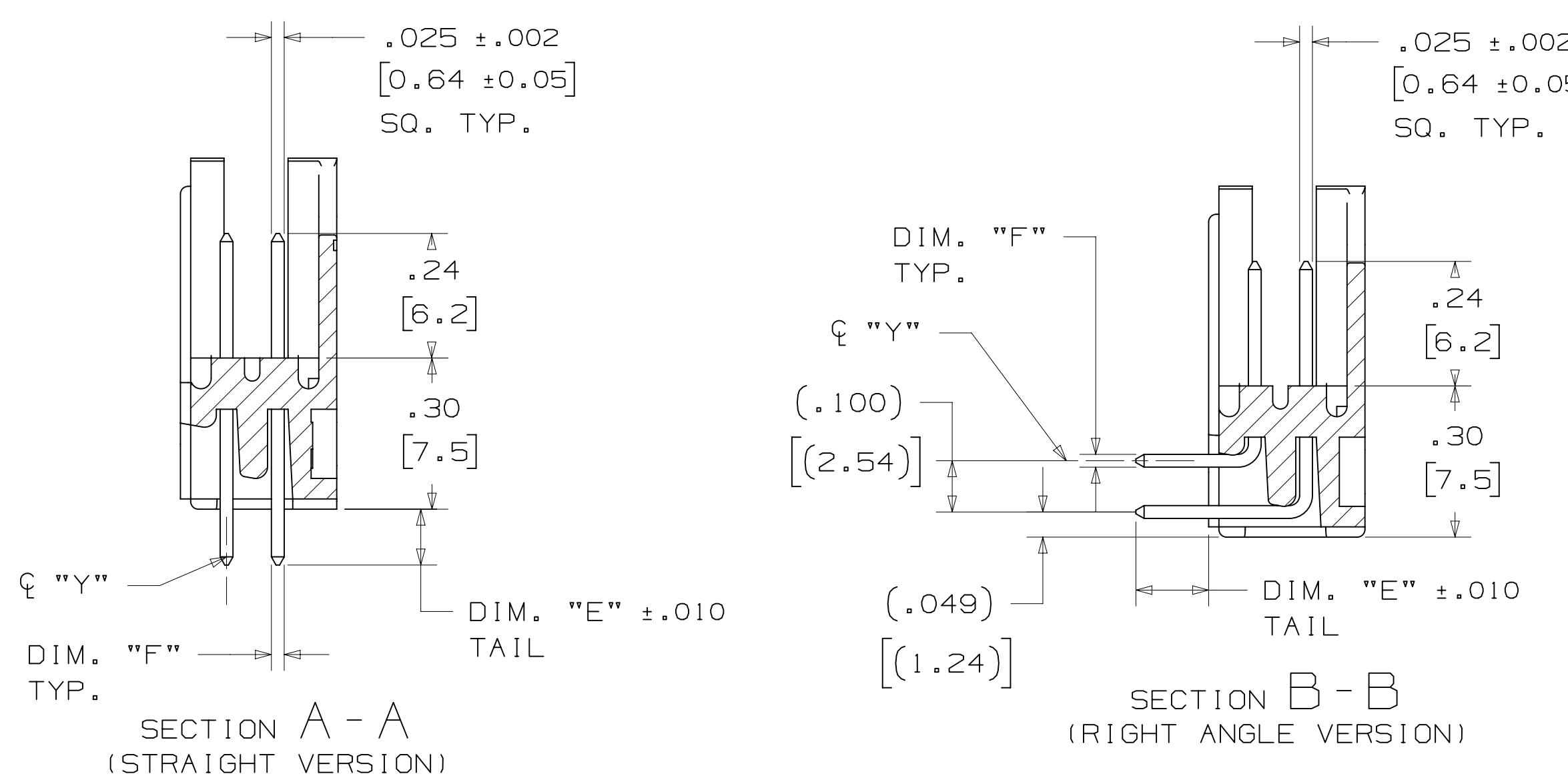




# 3M™ THREE-WALL HEADER, 3000 SERIES

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



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**TABLE**

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	

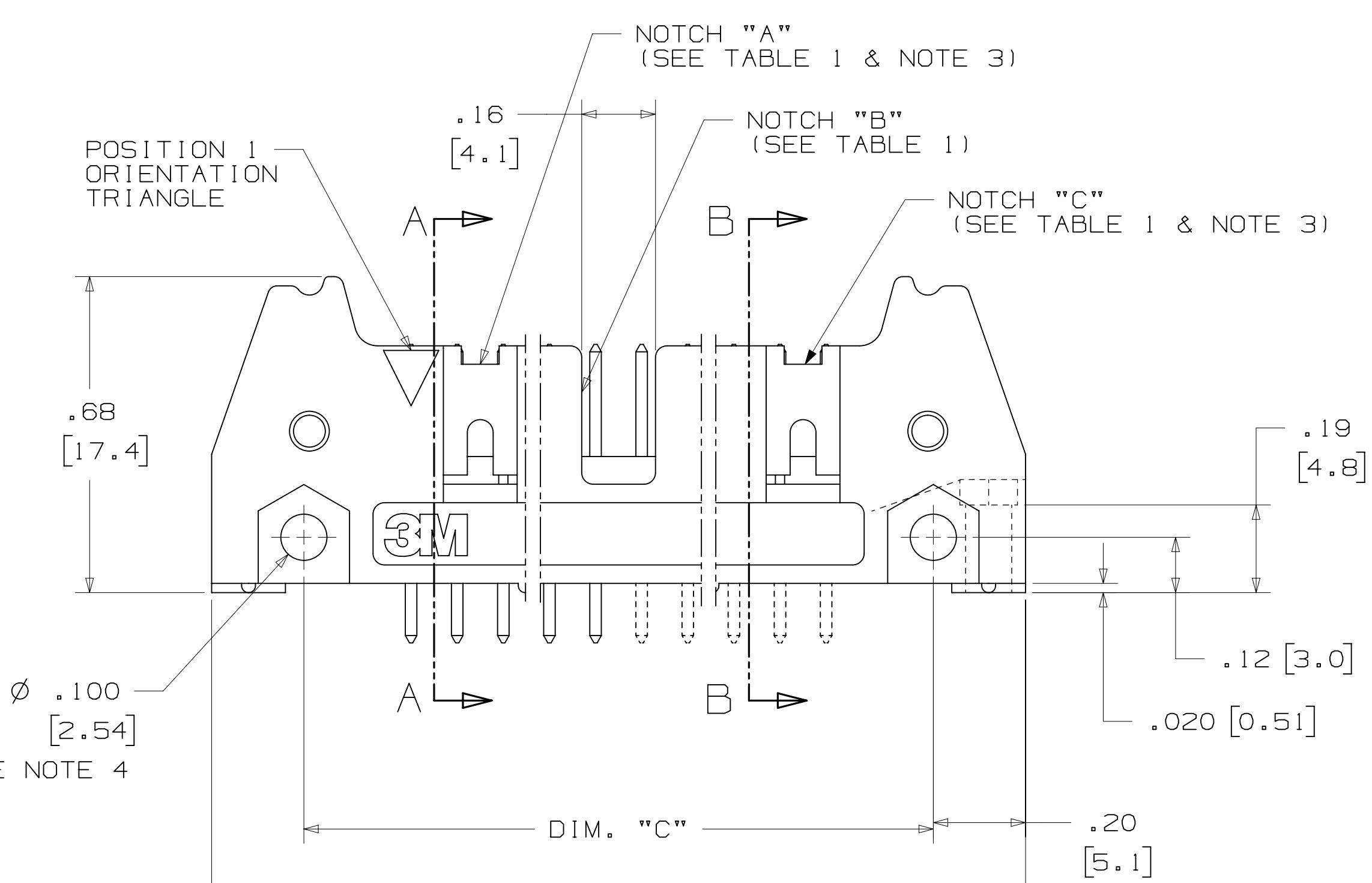
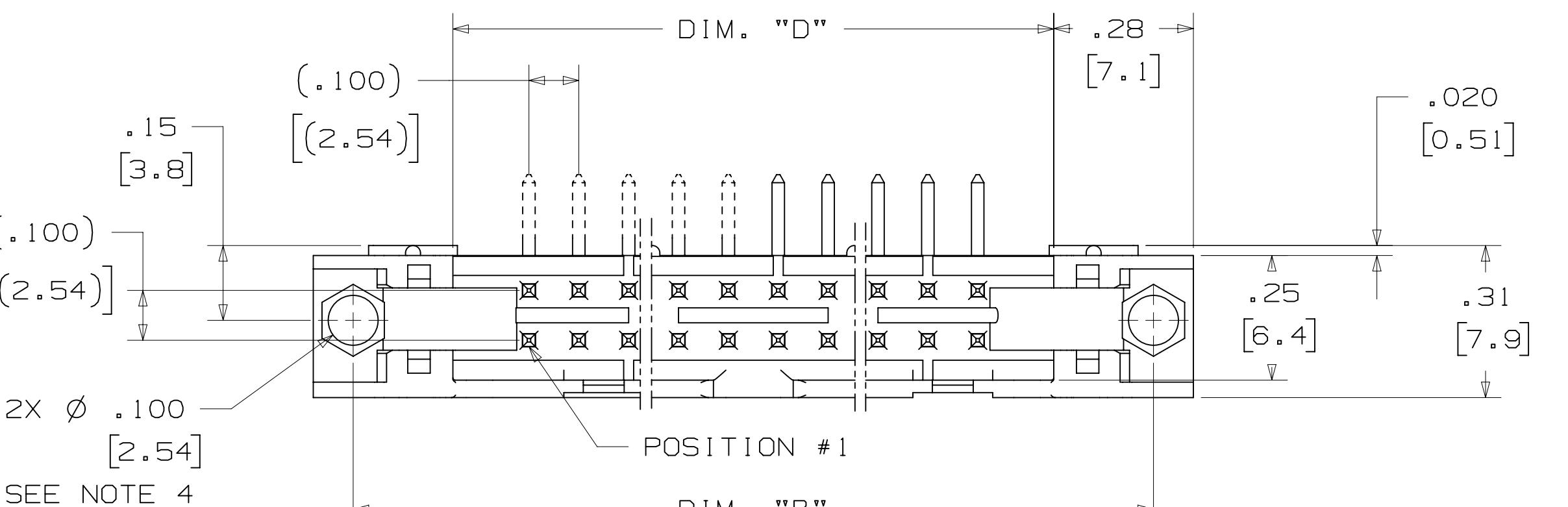
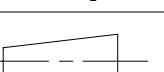


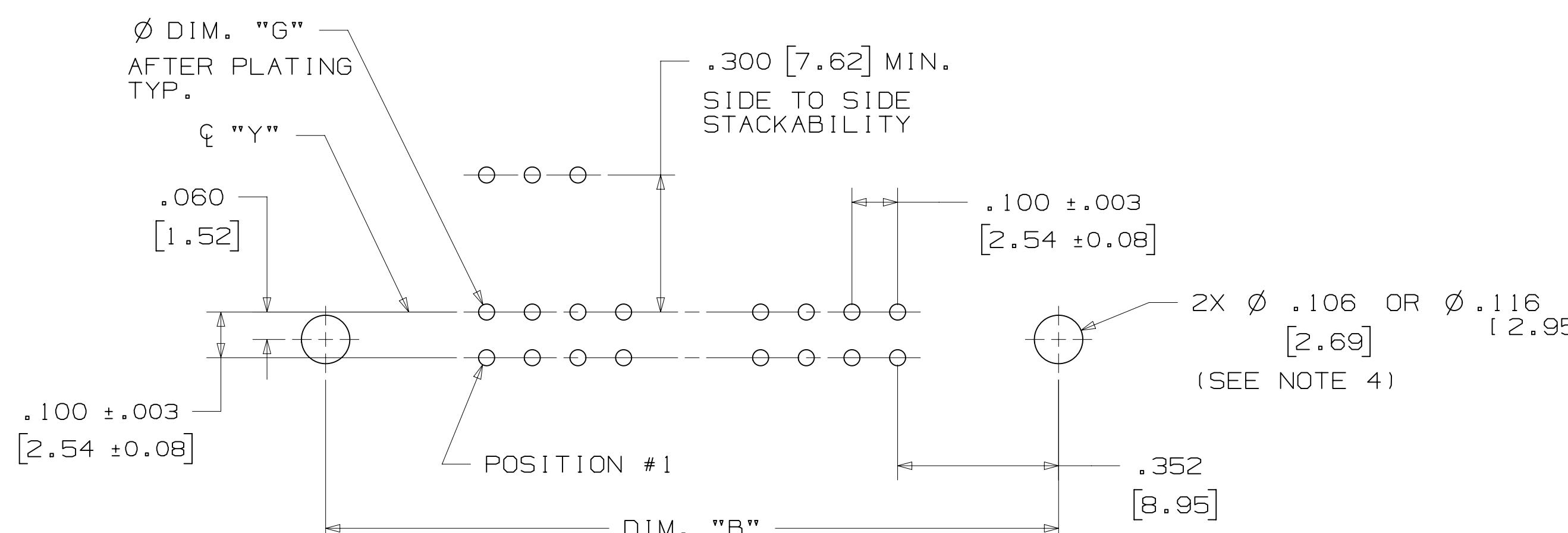
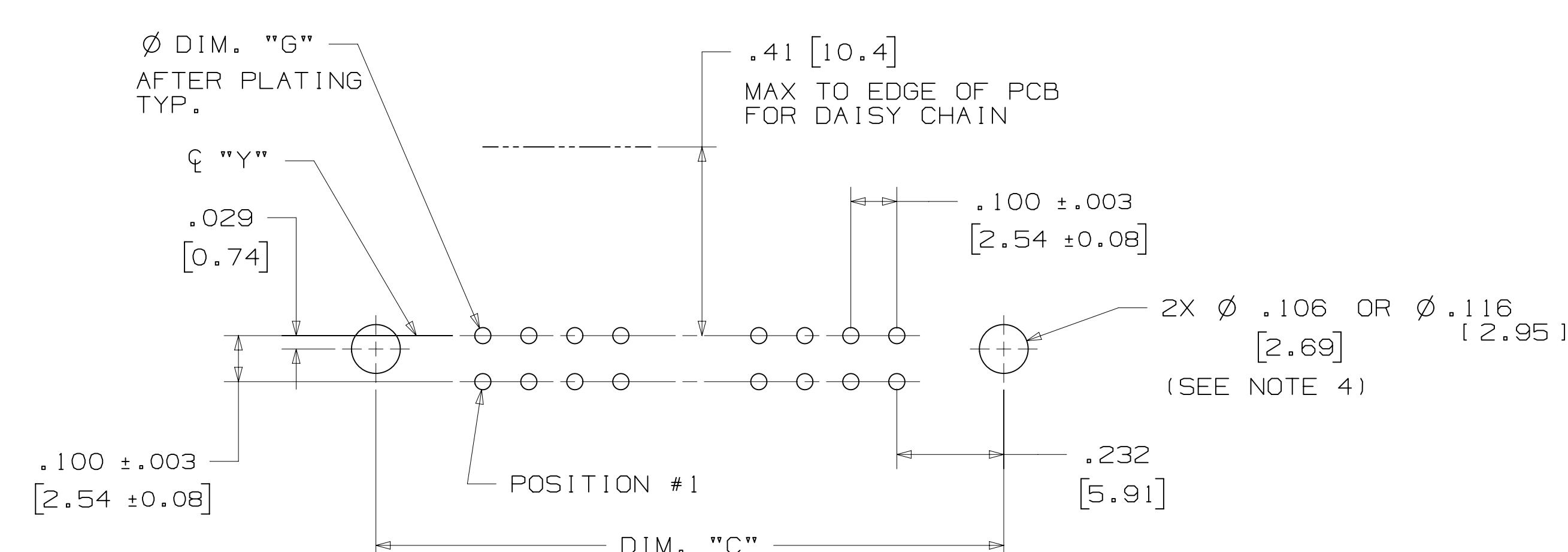
TABLE 2

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 RADII	.035+/- .003 [ .89 ]
-2XX2			.0245+/- .0005 [ .622 ]	.028+/- .001 [ .71 ]	.0075 REF. [ .191 ]	SEE NOTE 5
-1X03	.094 [ 2.39 ] TO .125 [ 3.18 ] THICK PC BOARD	.155 [ 3.94 ]	DIM. "F"	DIAGONALS	CORNER RADII	.035+/- .003 [ .89 ]
-2X03			.0245+/- .0005 [ .622 ]	.028+/- .001 [ .71 ]	.0075 REF. [ .191 ]	SEE NOTE 5

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES				DRFT CASTIGLIONE		DATE AUG 05, 2014	MFG	DATE	
				CHKD		DATE		APPVL R. SCHERER	DATE SEP 05, 2014
DIVISION Interconnect Solutions		DIVISION CODE EMSD				© 3M COPYRIGHT 2015			
DO NOT SCALE DRAWING	SCALE <u>4</u> 1	TOLERANCES EXCEPT AS NOTED		3M 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.			
  THIRD ANGLE PROJECTION		INCHES .0 ± .00 ± .01 .000 ± .005 .0000 ±		TITLE		HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ± .0 ± .3 .00 ± .13 .000 ±		CAGE NUMBER	SIZE <b>D</b>	DRAWING NO. 78-5100-0771-5		REV. H	
MAX SURFACE ROUGHNESS <input type="checkbox"/> ALL SURFACES <input checked="" type="checkbox"/> MARKED ONLY		ANGLES <u>1</u>		MODEL 3000 SERIES	DET. <input type="checkbox"/> YES <input checked="" type="checkbox"/> 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

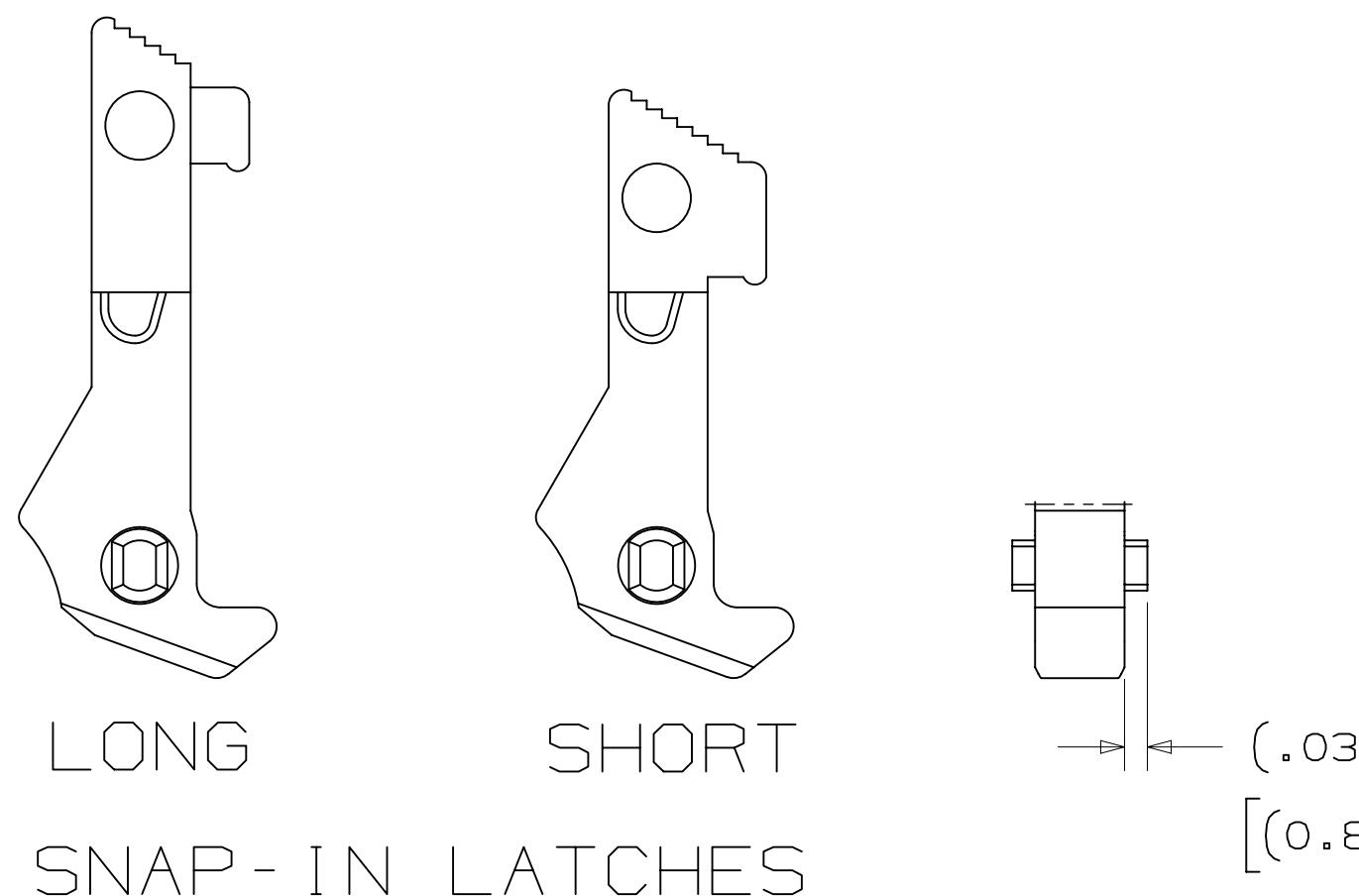
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

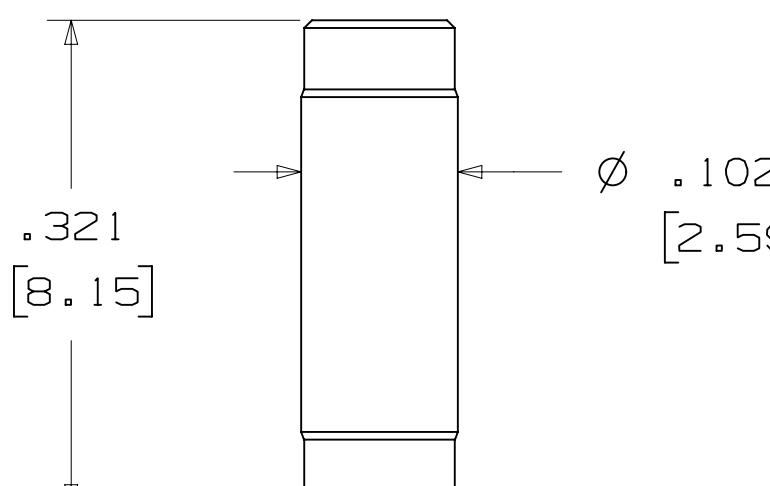
MATERIAL	SHORT LATCH	LONG LATCH	LATCH STYLE	COLOR
HIGH TEMP. (PCT)	N3505-2B	N3505-3B	ROLL PIN	BLACK
HIGH TEMP (PPA)	N3505-30B	N3505-31B	SNAP-IN	BLACK

\* SELECTIVE PIN REMOVAL (ATA OR OTHER COMPATABILITY)  
\* WIRE WRAP TAILS STYLE



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

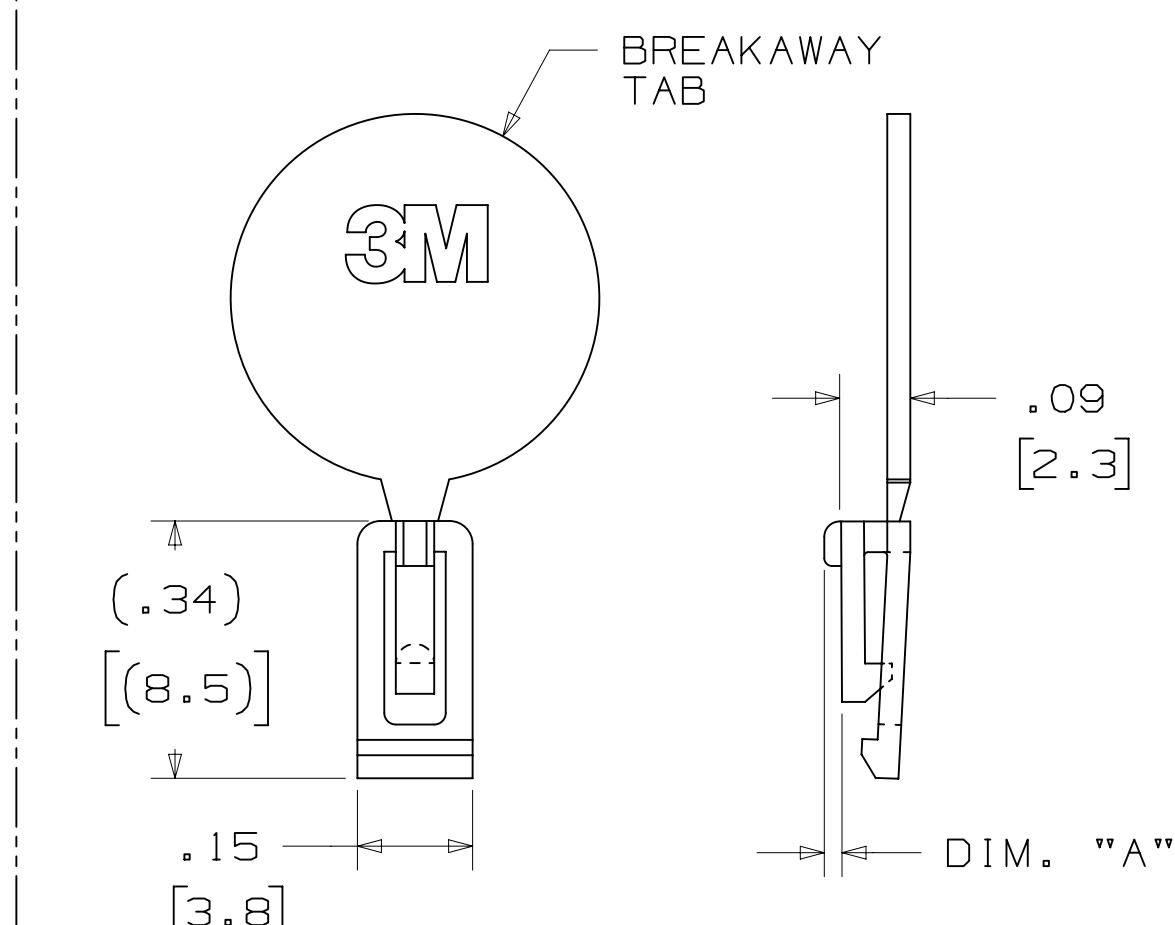
NOTE:  
INSERT POST INTO ONE MOUNTING HARDWARE HOLE ON BOTTOM OF HEADER. SET POST TO PROTRUDE .115 [2.92].

## (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.

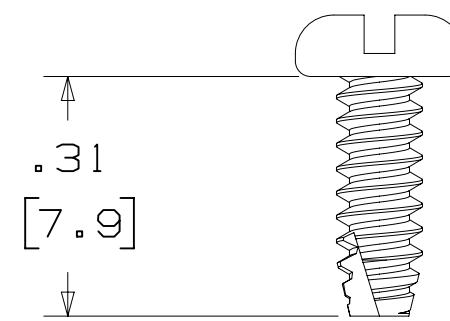
H	60056	MAR 06, 2015	JNC	RS
G	56068	AUG 05, 2014	JNC	RS
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
CASTIGLIONE		AUG 05, 2014	MFG DATE	APPROV DATE
CHKD		DATE	APPROV DATE	SEP 05, 2014
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3M Center St. Paul, MN 55144				
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HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
D 78-5100-0771-5		H		
3000 SERIES				
DET. LISTS: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> SHT 3 OF 4				

8 7 6 5 4 3 2 1

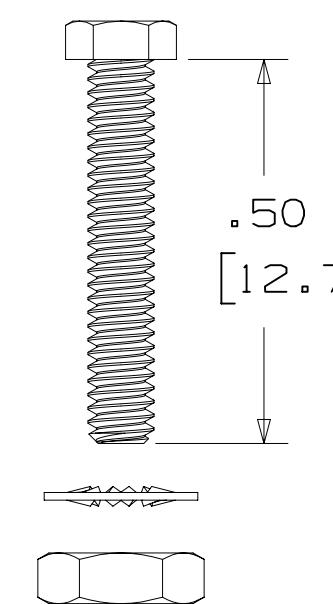
3M™ THREE-WALL HEADER, 3000 SERIES

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

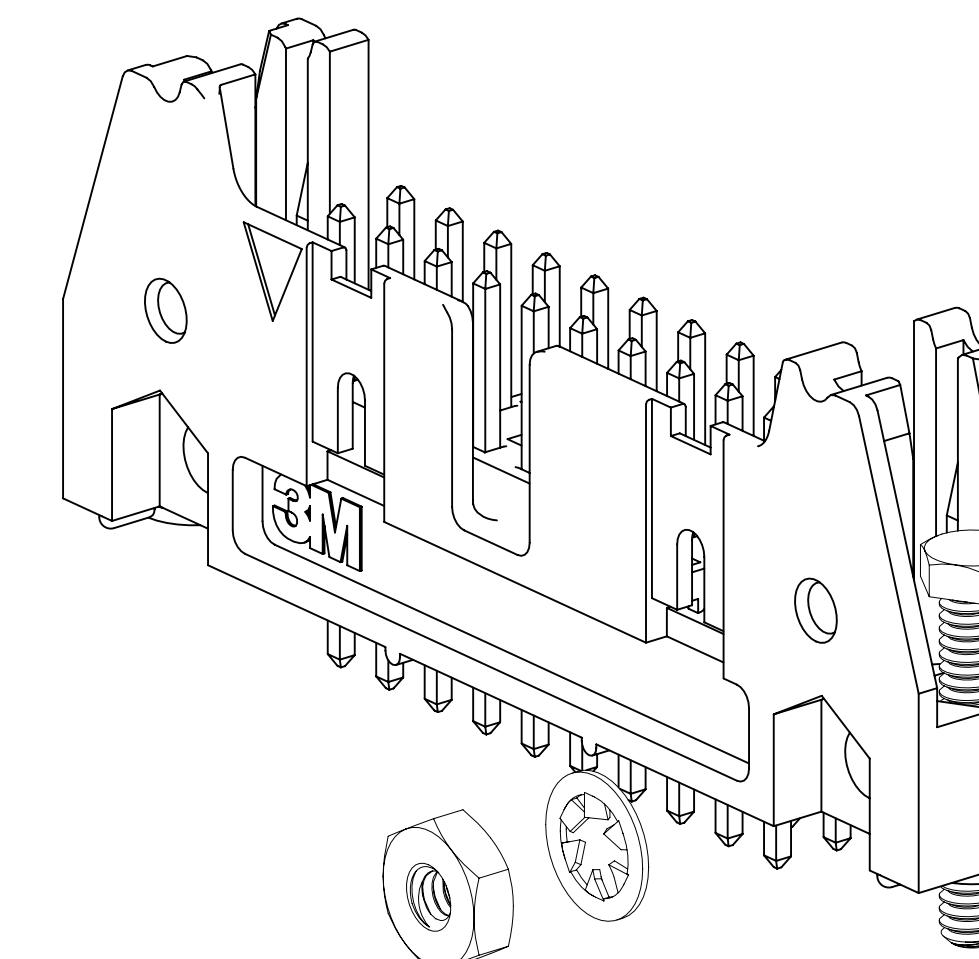
MOUNTING HARDWARE



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



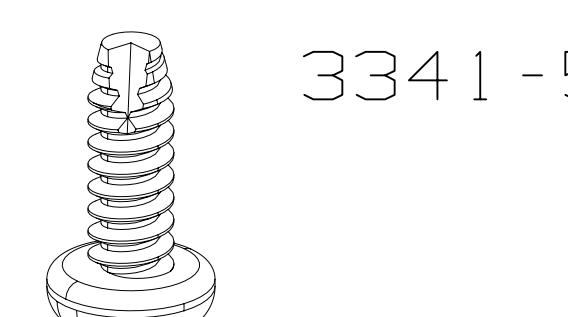
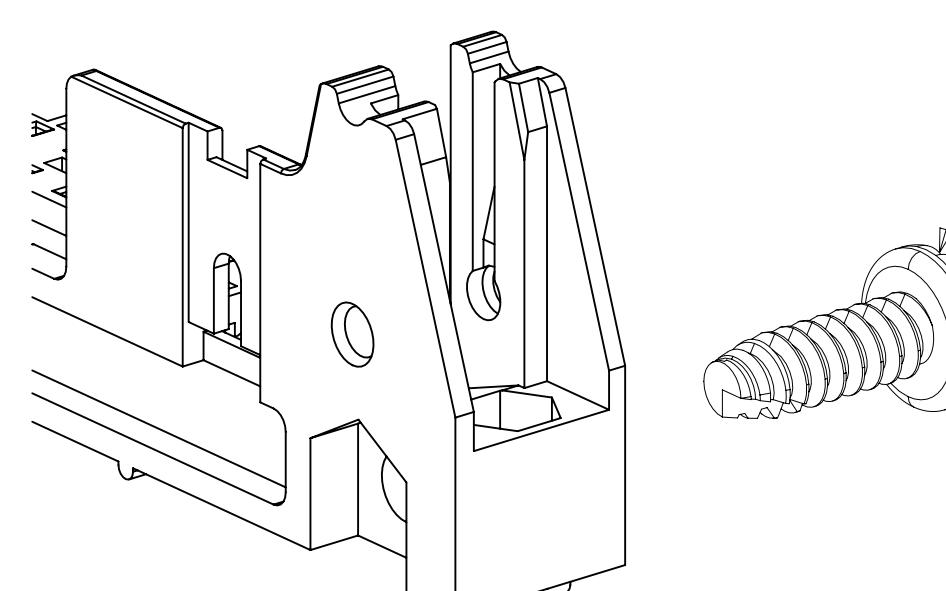
STRAIGHT VERSION INSTALL  
(MUST BE INSERTED PRIOR TO  
LATCH INSTALL)



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	
ACCESS CODES		REV	ECO
CASTIGLIONE		DATE AUG 05, 2014	
COKO		DATE APPROV. R. SCHERER DATE SEP 05, 2014	
TITLE			
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HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
CAGE SIZE DRAWING NO.		REV. H	
D 78-5100-0771-5		DET. LISTS YES NO	
3000 SERIES		SHT 4 OF 4	

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[3429-6502UG](#) [3429-6603UG](#) [3431-6602UG](#) [3432-L303](#) [3432-6603UG](#) [3433-6602UG](#) [3793-1502UG](#) [3793-6502UG](#)  
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[3314-L303](#) [3428-1502UG](#) [3433-4305](#) [3764-L303](#) [3793-6402](#) [3432-6503UG](#) [3764-6505](#) [3428-6603UG](#) [3764-L003](#)  
[3433-6005](#) [N3408-L303RB](#) [N3428-L303RB](#) [N3432-63Y2RB](#)