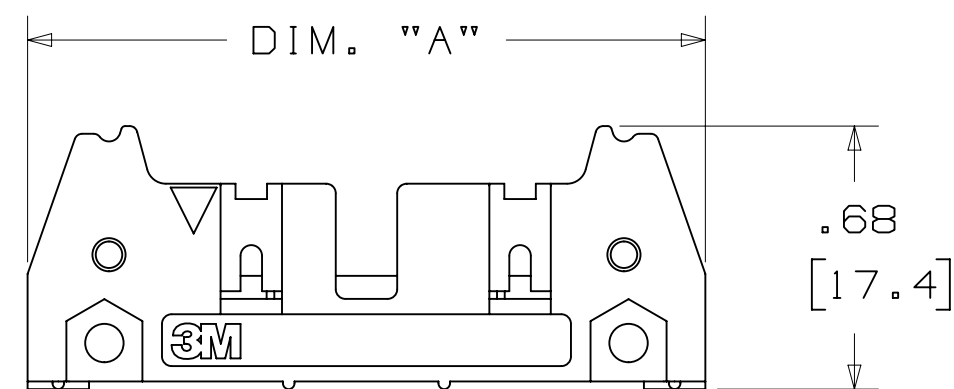


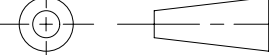
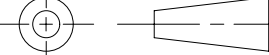
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



Technical drawing of a 3M Scotch-Bond 2070 adhesive dispensing nozzle assembly. The drawing shows a cross-section of the nozzle with various dimensions. Key dimensions include: a top width of $.424 \pm .010$ with a corresponding height of $[10.77 \pm 0.25]$; a small gap of $.08$ with a corresponding height of $[2.0]$; a right-side height of $(.97)$ with a corresponding width of $[(24.7)]$; and a 3M logo on the base. The drawing is labeled 'SCOTCH-BOND 2070' and '3M'.

Technical drawing of a mechanical part with dimensions and tolerances:

- Top left dimension: $.573 \pm .010$
- Top left dimension in brackets: $[14.55 \pm 0.25]$
- Left side dimension: $.08$
- Left side dimension in brackets: $[2.0]$
- Right side dimension: (1.07)
- Right side dimension in brackets: $[(27.2)]$

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES				DRFT	CASTIGLIONE		DATE	05,014	
				CHKD			DATE		
						MFG	APPL	R. SCHERER	DATE
								SEP	05,2014
DIVISION		DIVISION CODE		 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 3M permission or used or disclosed otherwise than for 3M authorized purposes. All rights reserved.					
Interconnect Solutions		EMSD							
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED							
SCALE $\frac{2}{1}$		INCHES		TITLE HEADER , 3-WALL , .100 X .100 LATCH/EJECTOR , STRAIGHT & RA					
		.00 ± .01							
THIRD ANGLE PROJECTION		.000 ± .005							
INTERPRET PER ASME Y14.5 - 2009		.0000 ±		CAGE NUMBER SIZE DRAWING NO. D 78-5100-0771-5					
		MILLIMETERS							
THIRD ANGLE PROJECTION		.00 ± .13							
MAX SURFACE ROUGHNESS		.00 ± .3		REV. H					
MAX SURFACE ROUGHNESS		.000 ±							
MAX SURFACE ROUGHNESS		.000 ±							
☒ MARKED SURFACES ☐ MARKED ONLY		ANGLES		MODEL 3000 SERIES					
				DET. SHT 1 OF					

UL[®]
US
UL FILE NO: E68080

Imaged: H.1 3/6/2015 12:53 PM UTC-06:00

3M™ THREE-WALL HEADER, 3000 SERIES

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

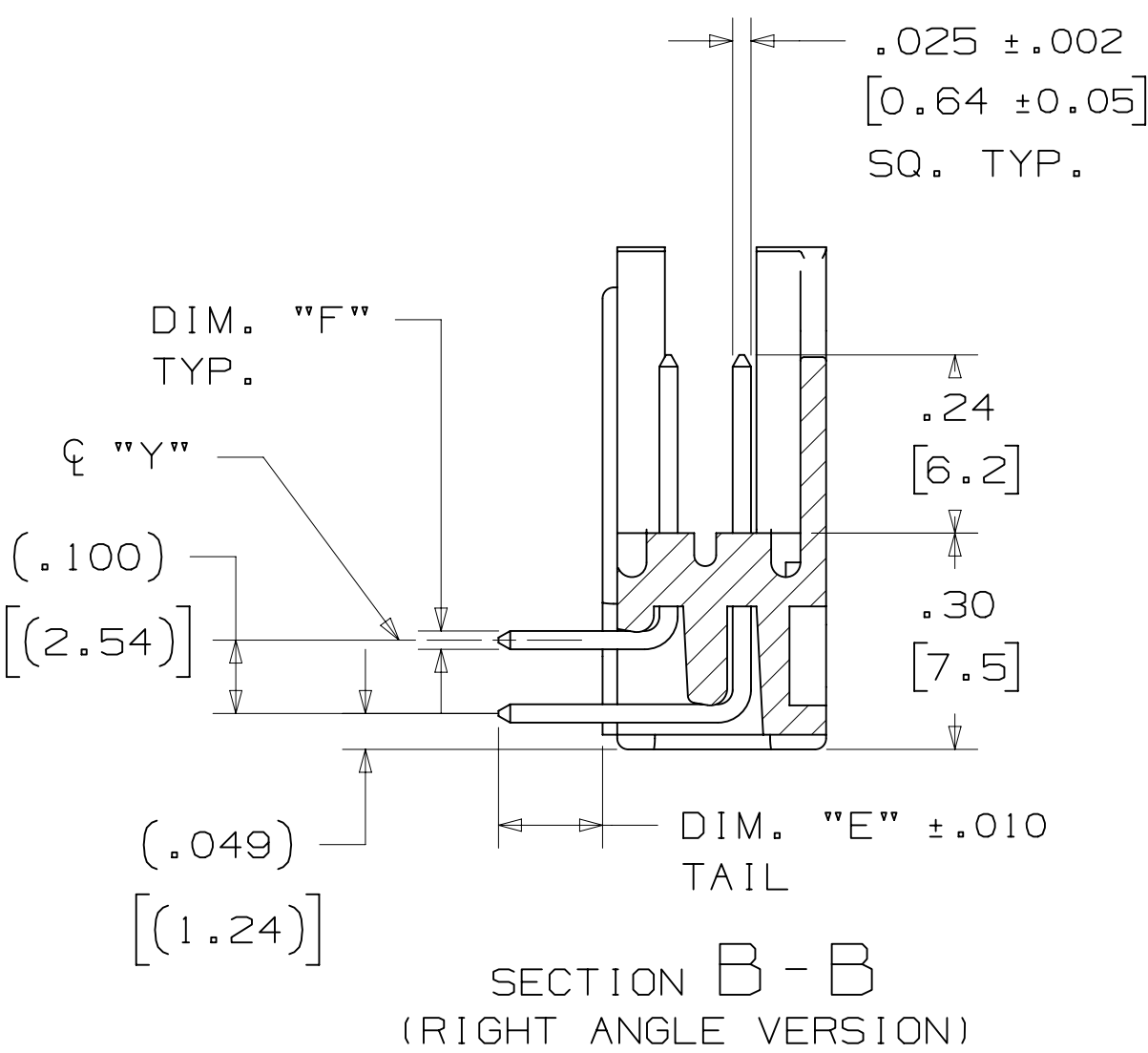
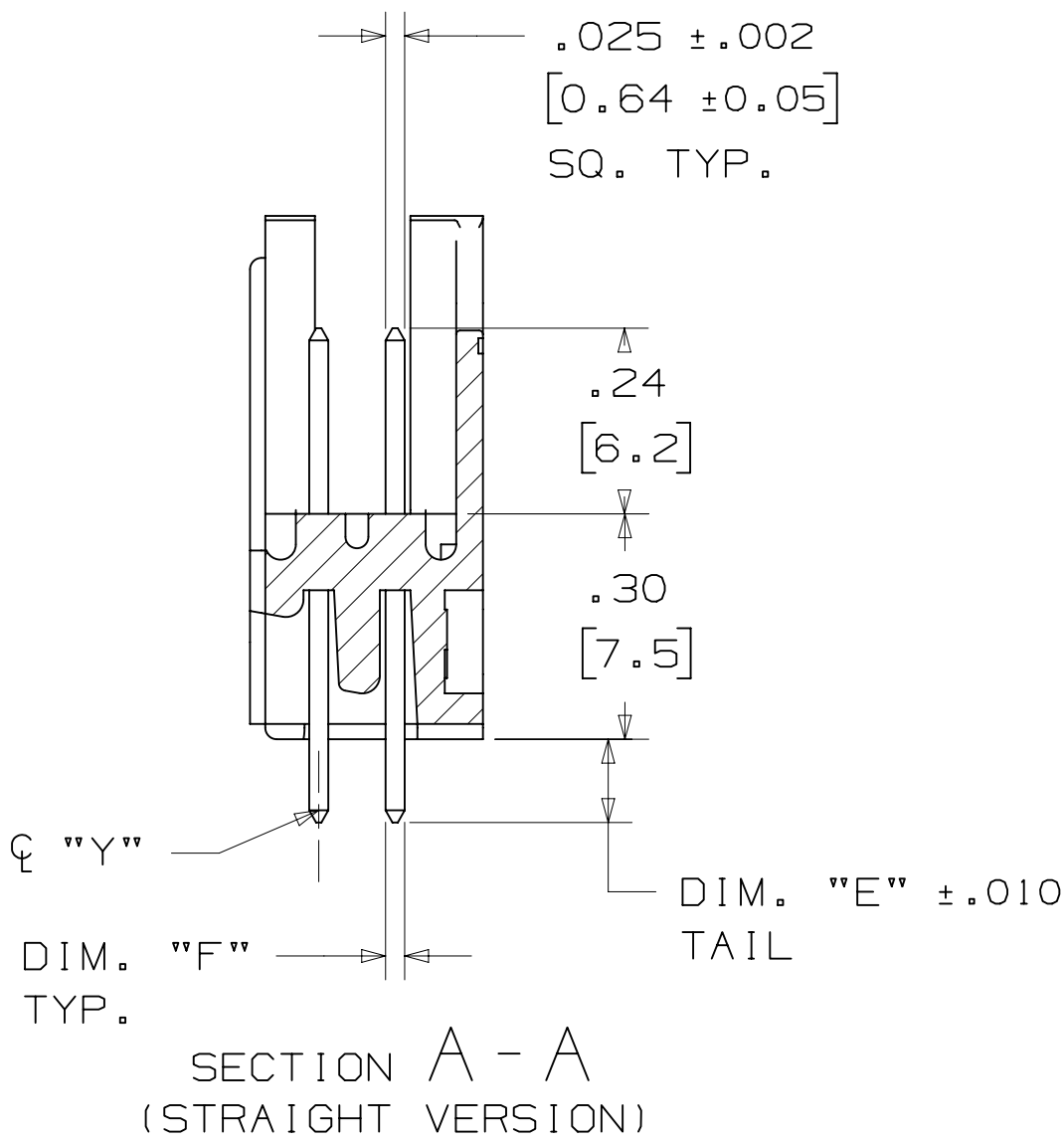
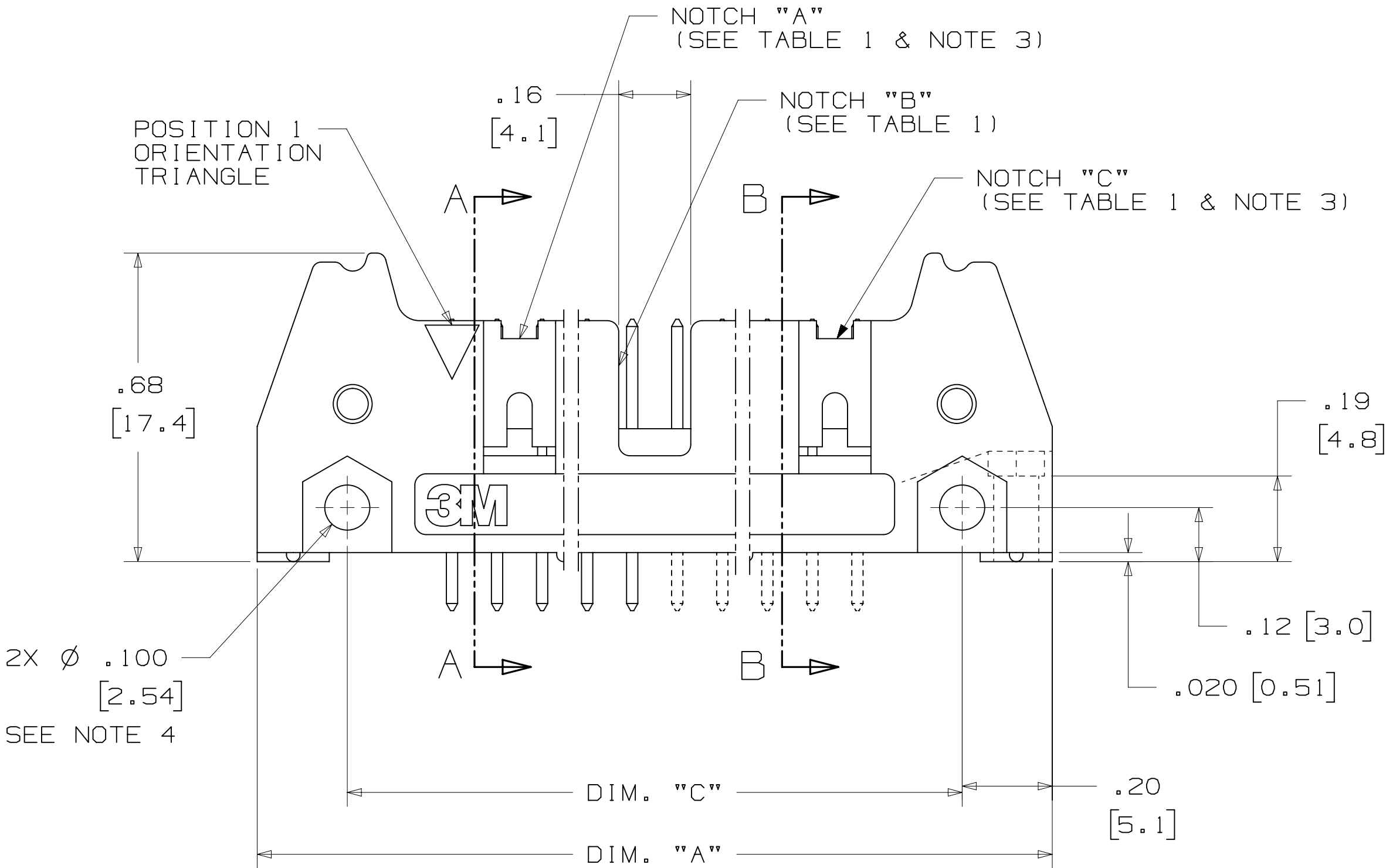
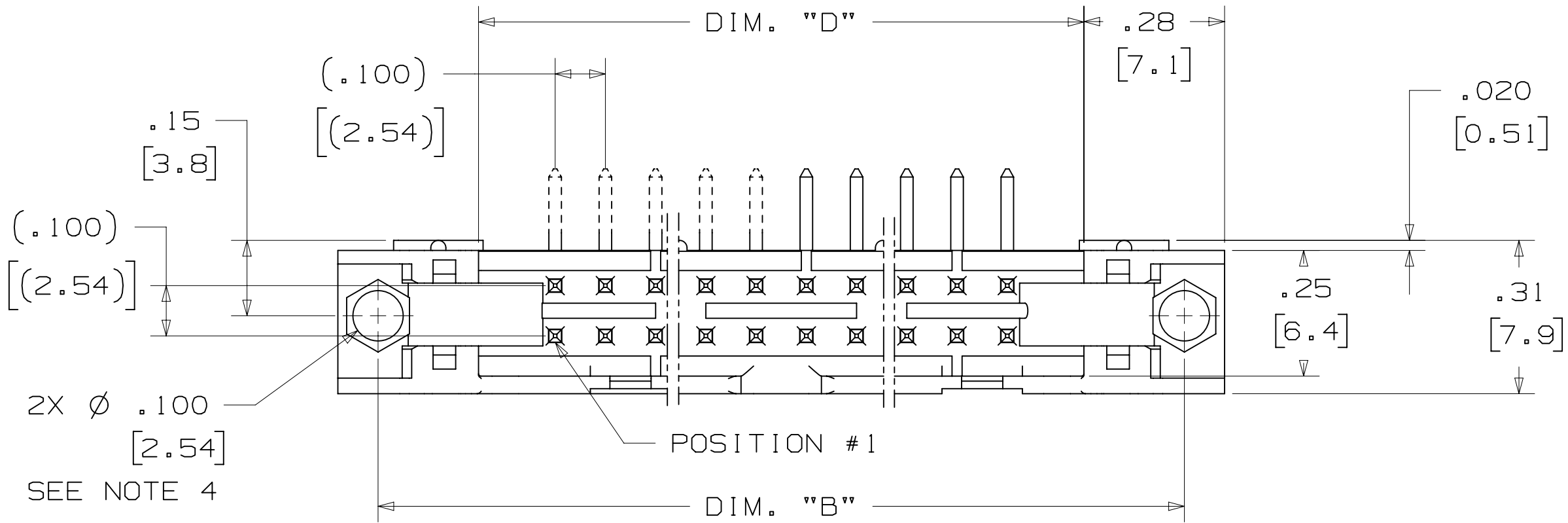


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20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



DESIGN REFERENCE
NEXT ASSEMBLY

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION

MAX SURFACE ROUGHNESS
LISTED SURFACES
MARKED ONLY

INTERCONNECT SOLUTIONS

SCALE 4/1

INTERPRET PER ASME Y14.5 - 2009

TOLERANCES EXCEPT AS NOTED

INCHES
0 ± .01
.000 ± .005
.0000 ±

MILLIMETERS
0 ± .3
.00 ± .13
.000 ±

ANGLES

3M

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St. Paul,
MN 55144

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TITLE
HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA

CAGE NUMBER
D78-5100-0771-5

MODEL
3000 SERIES

REV. ECO
DATE
AUG 05, 2014

ISSUE DATE AND DESCRIPTION
REVISED AND REDRAWN

DRFT
DATE
SEP 05, 2014

CHKD
DATE
SEP 05, 2014

APPR
R. SCHERER

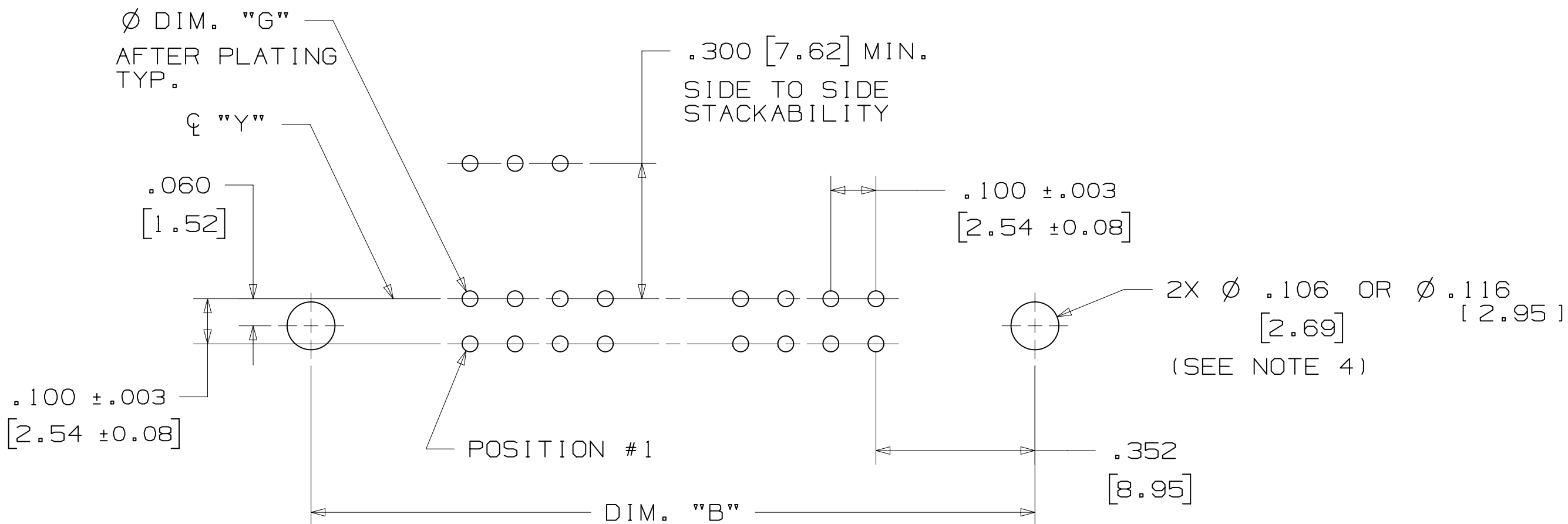
H 60056
MAR 06, 2015
REVISE ORDERING NUMBER

G 56068
AUG 05, 2014
REVISED AND REDRAWN

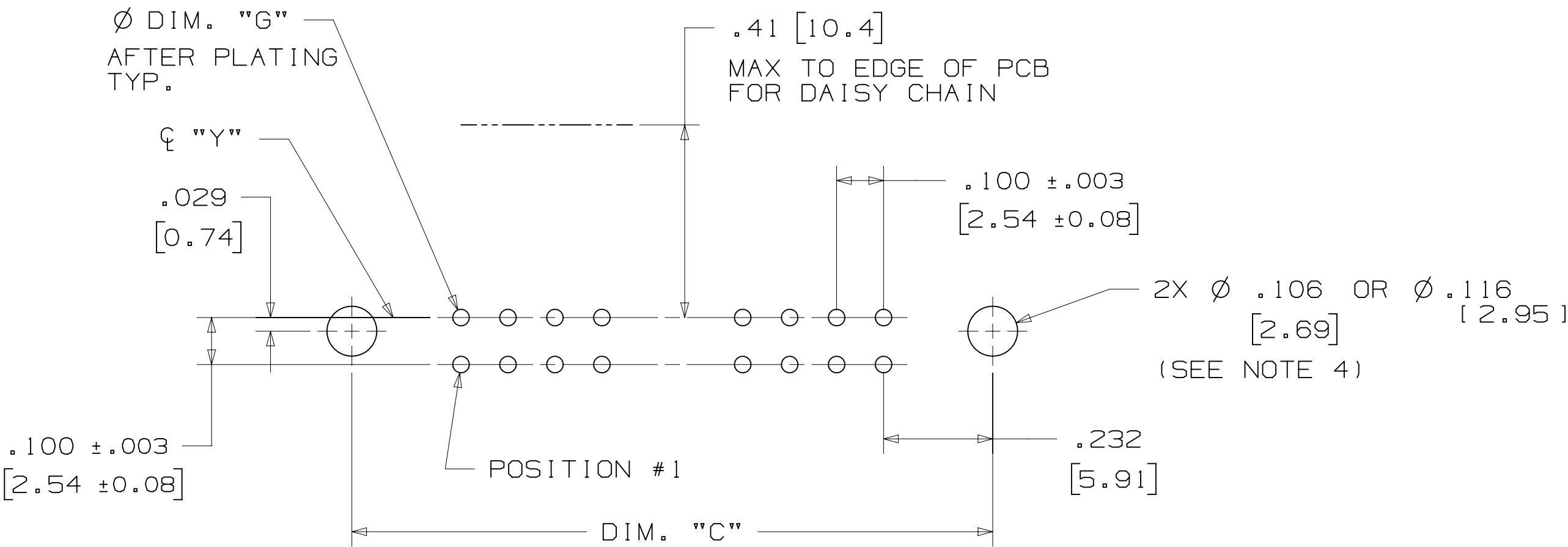
JNC
DATE

RS
DATE

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

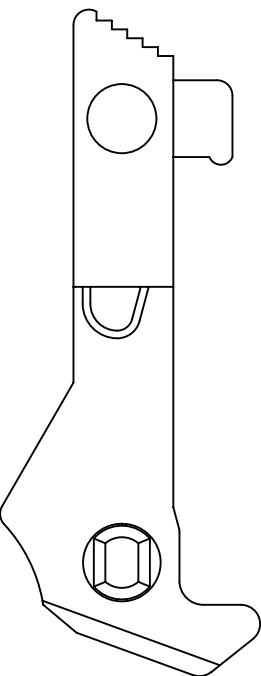
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

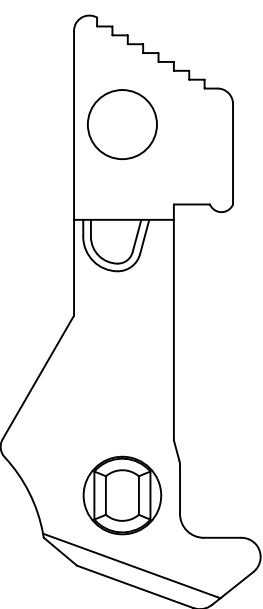
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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

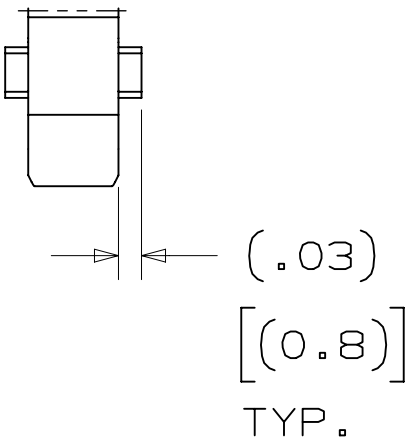


LONG



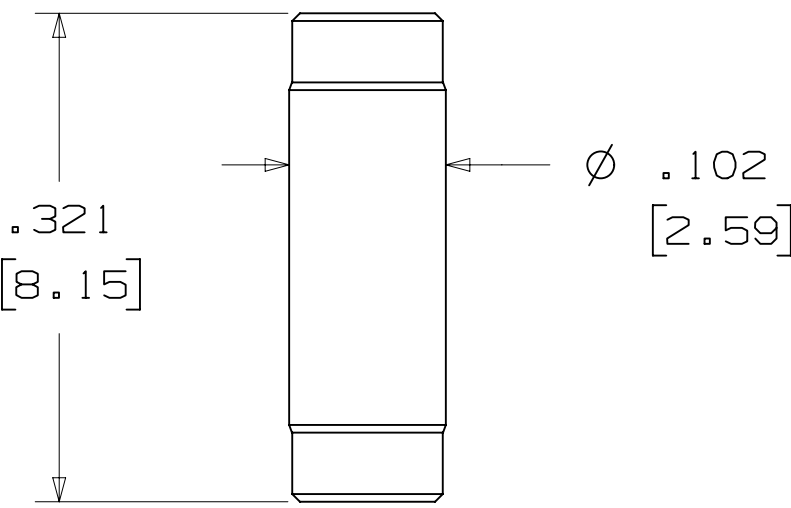
SHORT

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

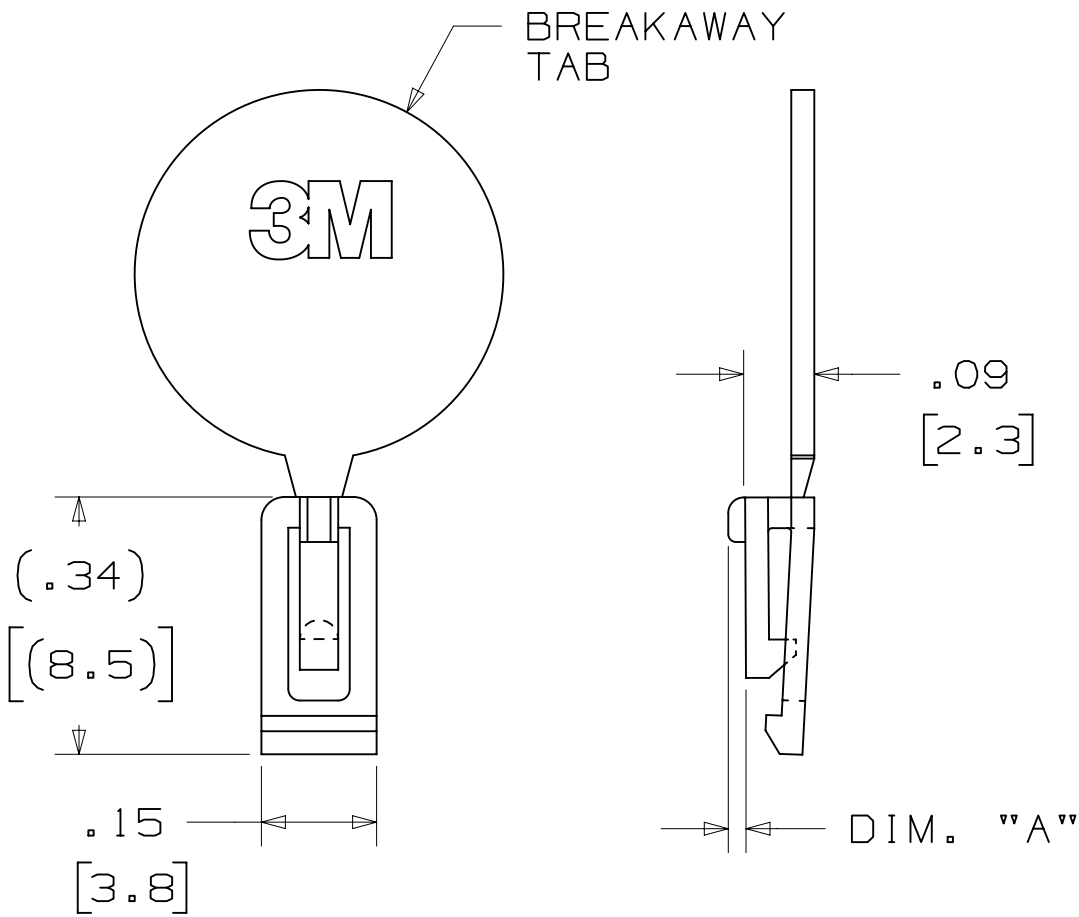
NOTE:
INSERT POST INTO ONE MOUNTING HARDWARE HOLE ON BOTTOM OF HEADER. SET POST TO PROTRUDE .115 [2.92]

(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



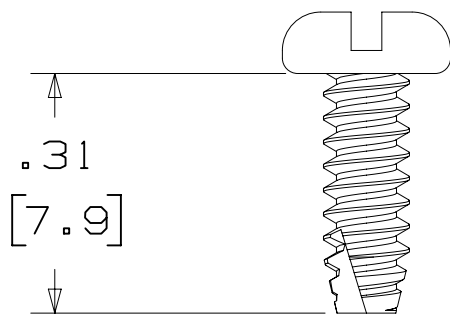
3M PART NO.	MATERIAL	COLOR	DIM. "A"
N3518	LCP	BLACK	.02

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

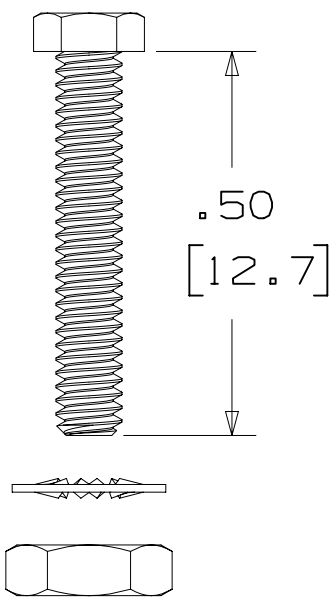
DESIGN REFERENCE		NEXT ASSEMBLY		H	60056	MAR 06,2015 REVISE ORDERING NUMBER		JNC	RS
G		56068		AUG 05,2014 REVISED AND REDRAWN		JNC		RS	
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
DIP		CASTIGLIONE		AUG 05,2014		MFG		DATE	
CHKD		R. SCHERER		SEP 05,2014		DATE		REV.	
DIVISION		Interconnect Solutions		DIVISION CODE		EMSD		3M	
DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED		INCHES .00 ±.01 .000 ±.0005 .0000 ±		MILLIMETERS 0 ±.3 .00 ±.13 .000 ±	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS 12.5 SURFACES MARKED ONLY		TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA		CAGE NUMBER D78-5100-0771-5	
MODEL		3000 SERIES		LISTS		YES		NO	
SHT		3		OF		4		REV.	

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

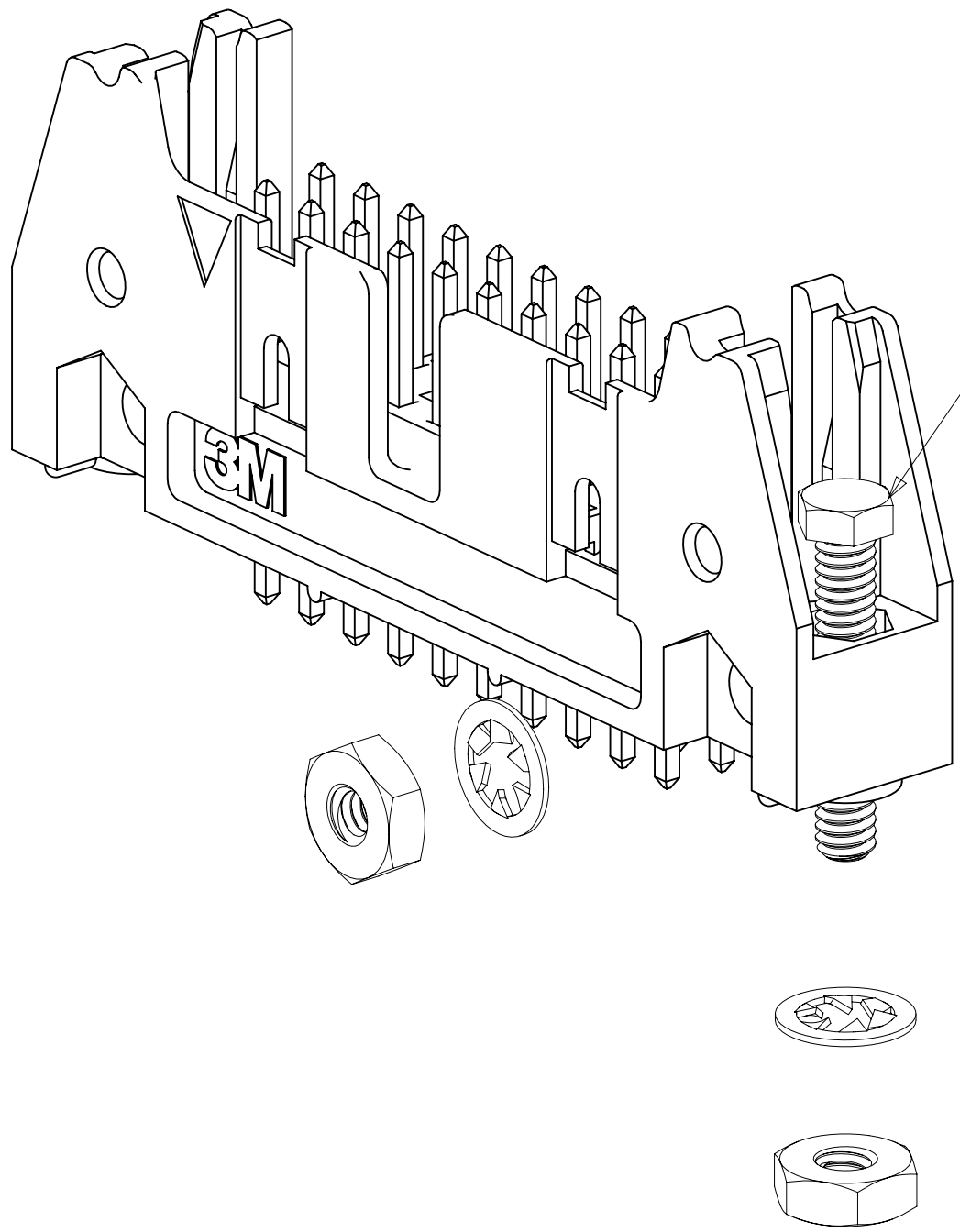
MOUNTING HARDWARE



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



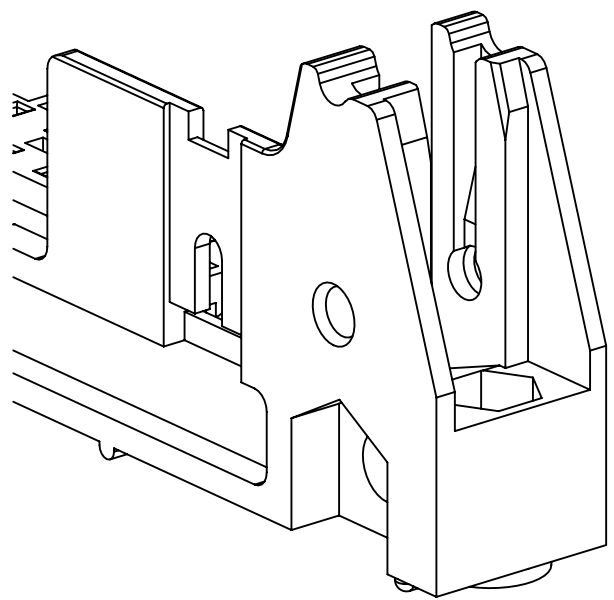
3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



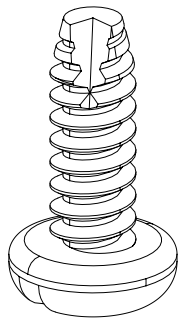
STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

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		DIP		CASTIGLIONE	DATE	AUG 05, 2014	MFG	DATE	
DIVISION		DIVISION CODE		CHKD	DATE	R. SCHERER	DATE	SEP 05, 2014	
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DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
THIRD ANGLE PROJECTION		INCHES 0 ± .00 ±.01 .000 ±.005 .0000 ±		MILLIMETERS 0 ± .0 ±.3 .00 ±.13 .000 ±		CAGE NUMBER D78-5100-0771-5			
INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS 12.5 SURFACES ✓ MARKED ONLY		MODEL 3000 SERIES		REV. H			
						DET LISTS YES NO SHT 4 OF 4			