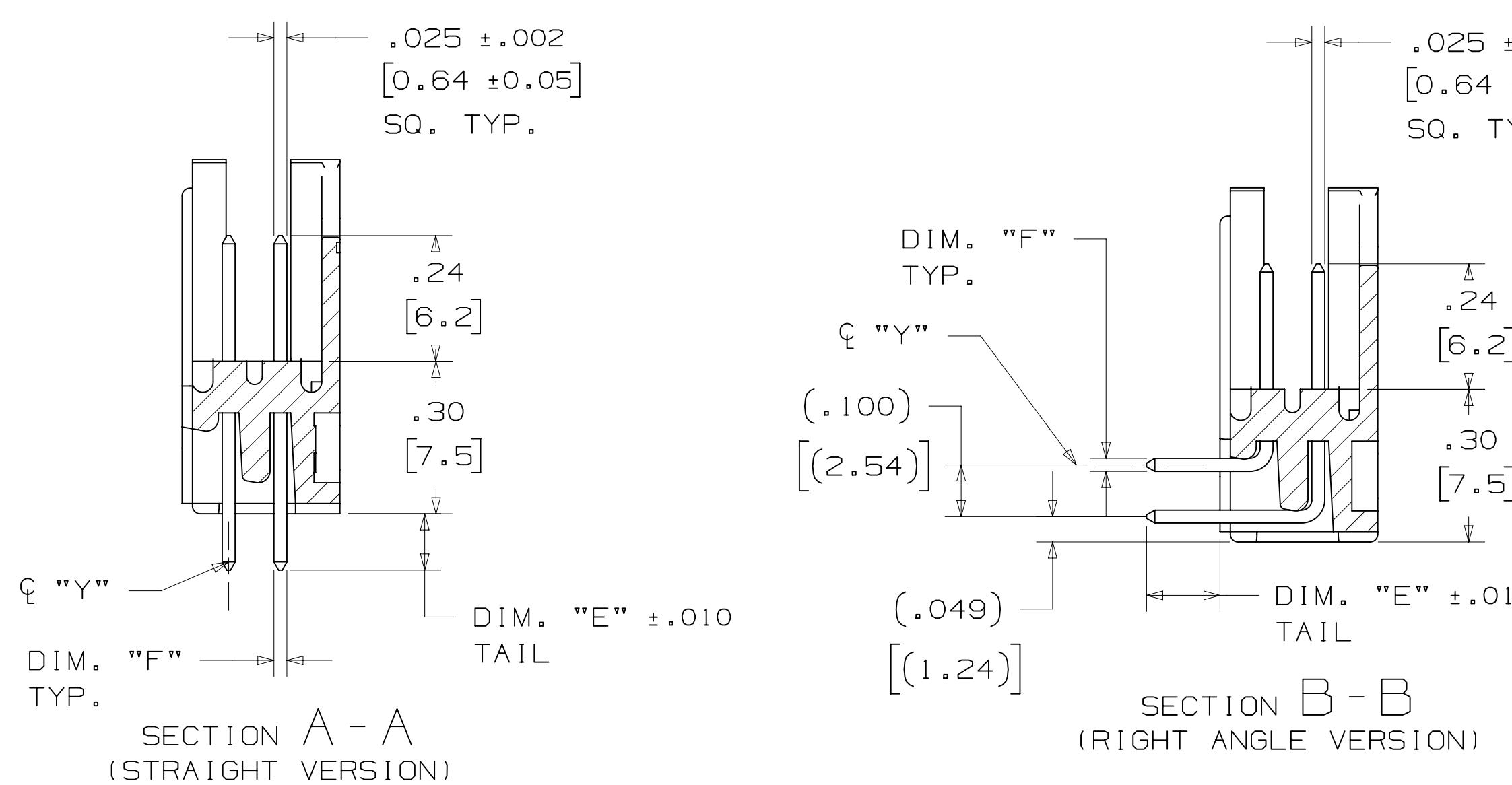


3M™ THREE-WALL HEADER, 3000 SERIES

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



SECTION A - A
(STRAIGHT VERSION)

SECTION B - B
(RIGHT ANGLE VERSION)

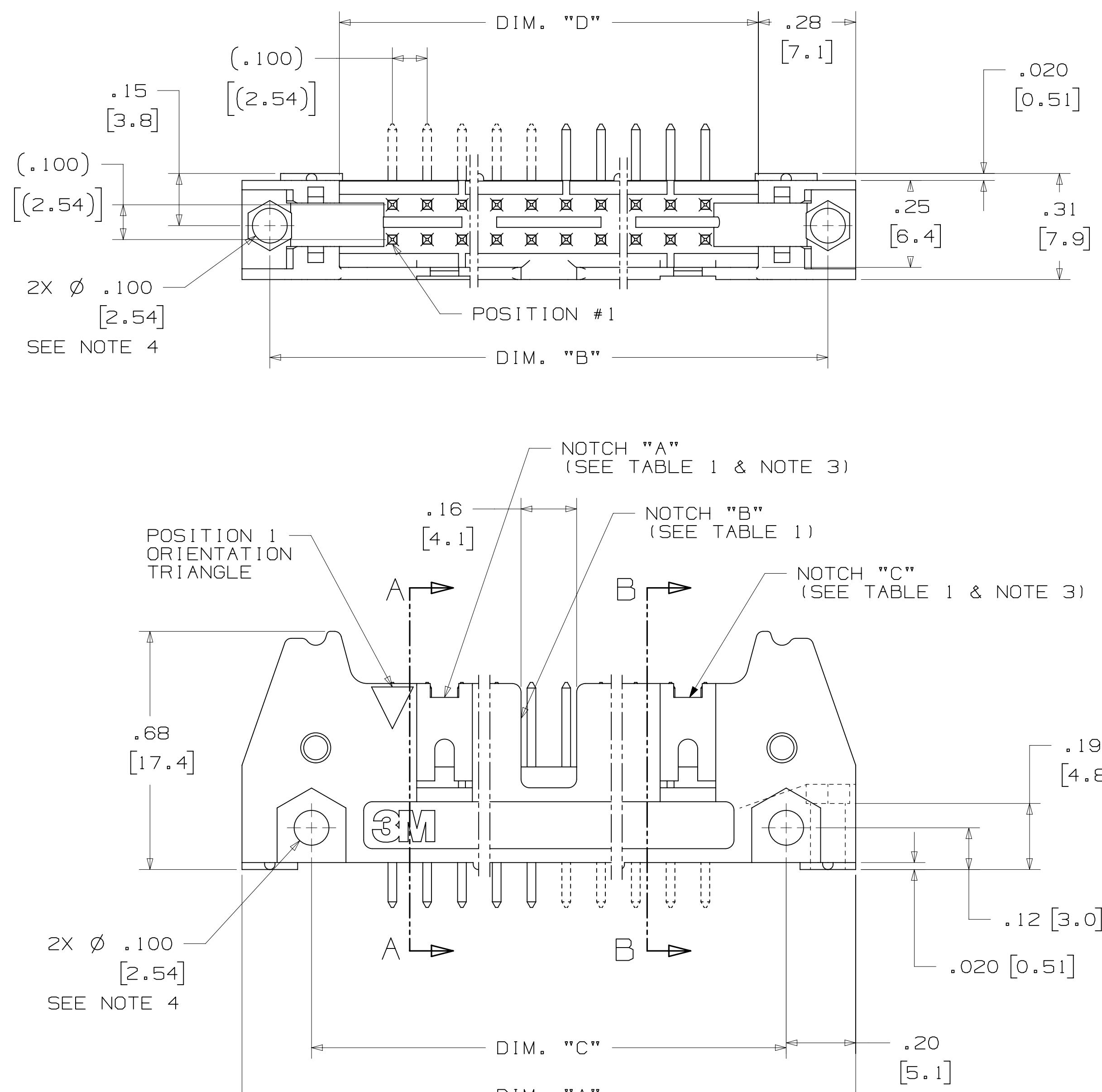


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20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

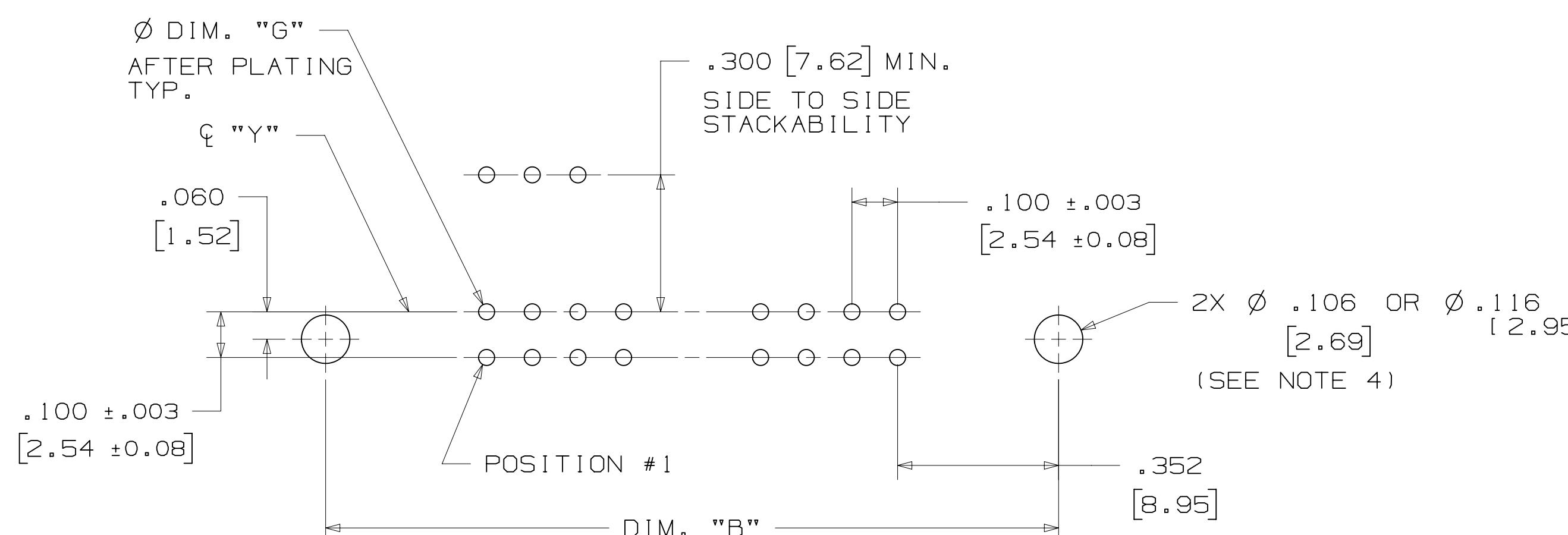
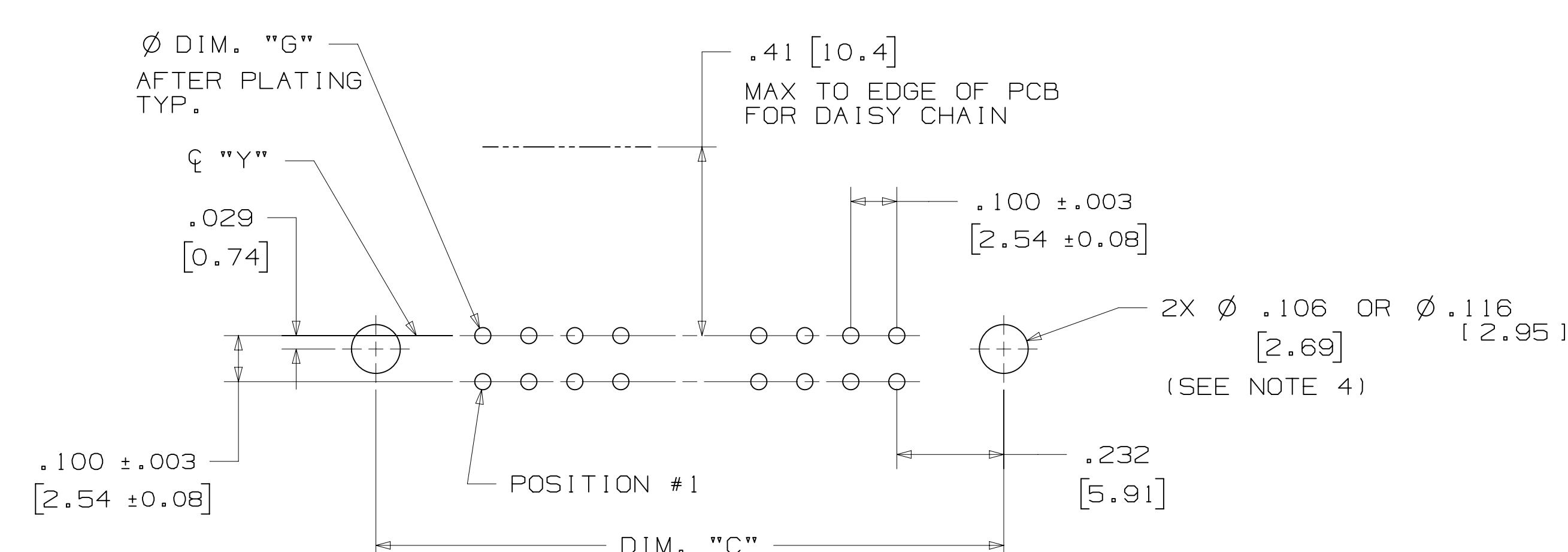
DESIGN REFERENCE		NEXT ASSEMBLY	
ACCESS CODES	CASTIGLIONE	DATE AUG 05, 2014	REV. H MFG DATE
DO NOT SCALE DRAWING	4	APPROV. R. SCHERER	DATE SEP 05, 2014
INTERCONNECT SOLUTIONS EMD		TOLERANCES EXCEPT AS NOTED	
DO NOT SCALE DRAWING		INCHES	
DIMENSION CODE EMD		.000 ± .005	
THIRD ANGLE PROJECTION		.0000 ± .0000	
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS	
MAX SURFACE ROUGHNESS .000 ± .000		.0 ± .3	
CAGE NUMBER D 78-5100-0771-5		.000 ± .13	
MODEL 3000 SERIES		.000 ± .13	
DRAWING NO. H		DET. LISTS YES NO	
REV. H		SHT 2 OF 4	

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

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

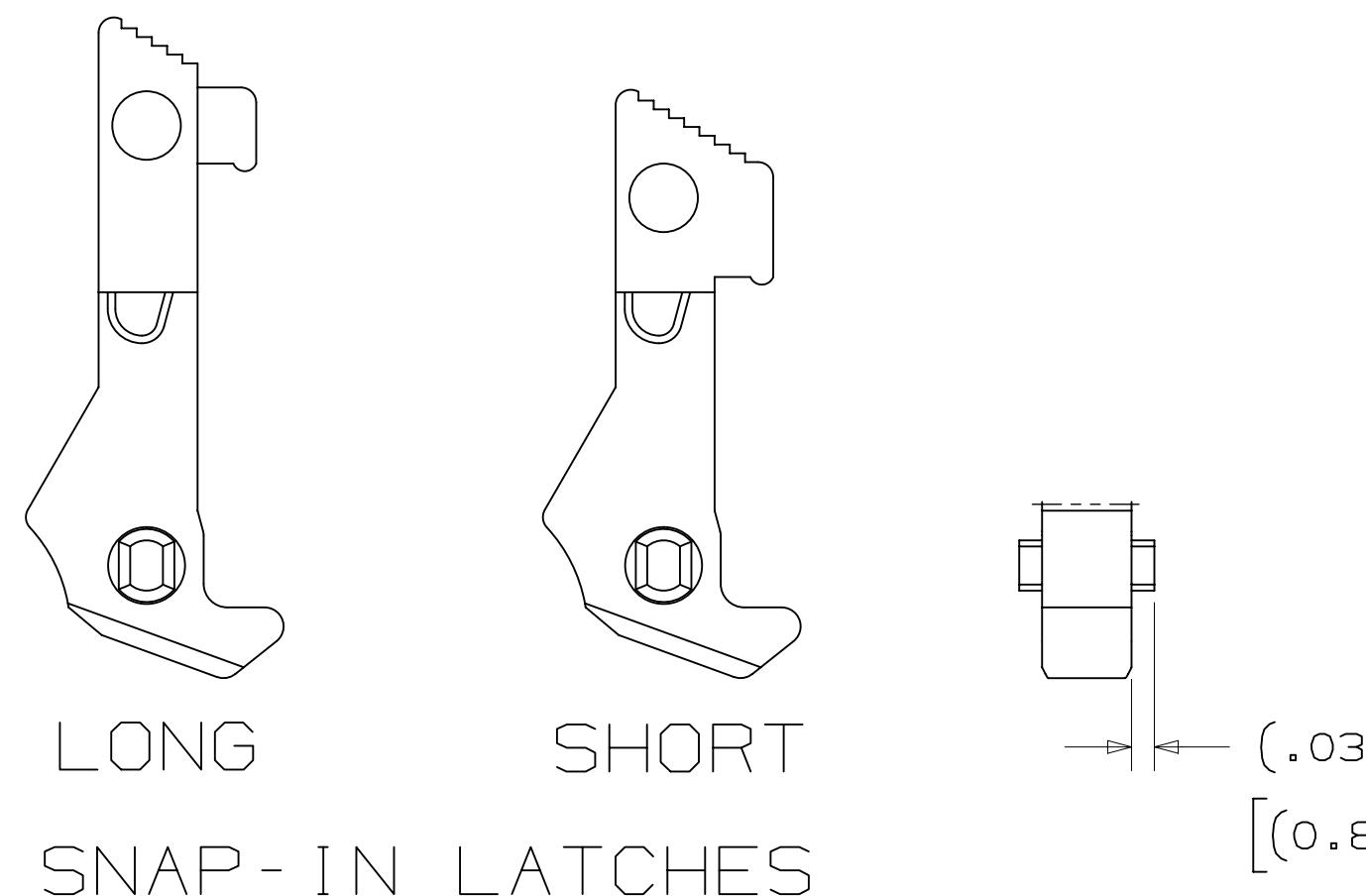
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

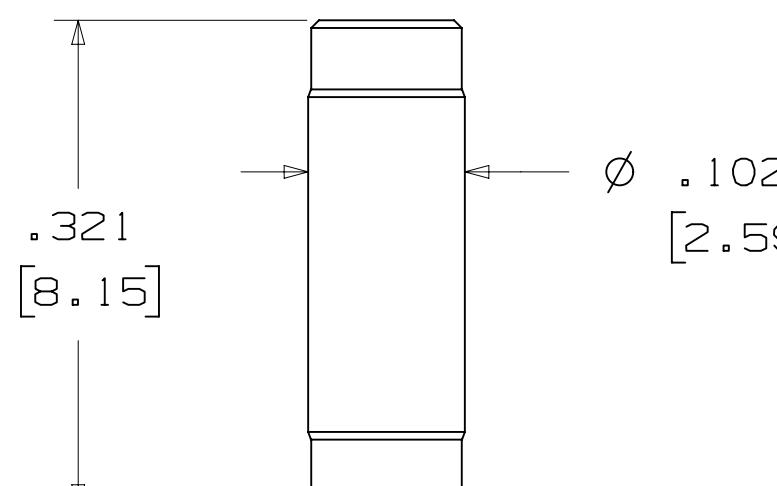
MATERIAL	SHORT LATCH	LONG LATCH	LATCH STYLE	COLOR
HIGH TEMP. (PCT)	N3505-2B	N3505-3B	ROLL PIN	BLACK
HIGH TEMP (PPA)	N3505-30B	N3505-31B	SNAP-IN	BLACK

* 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

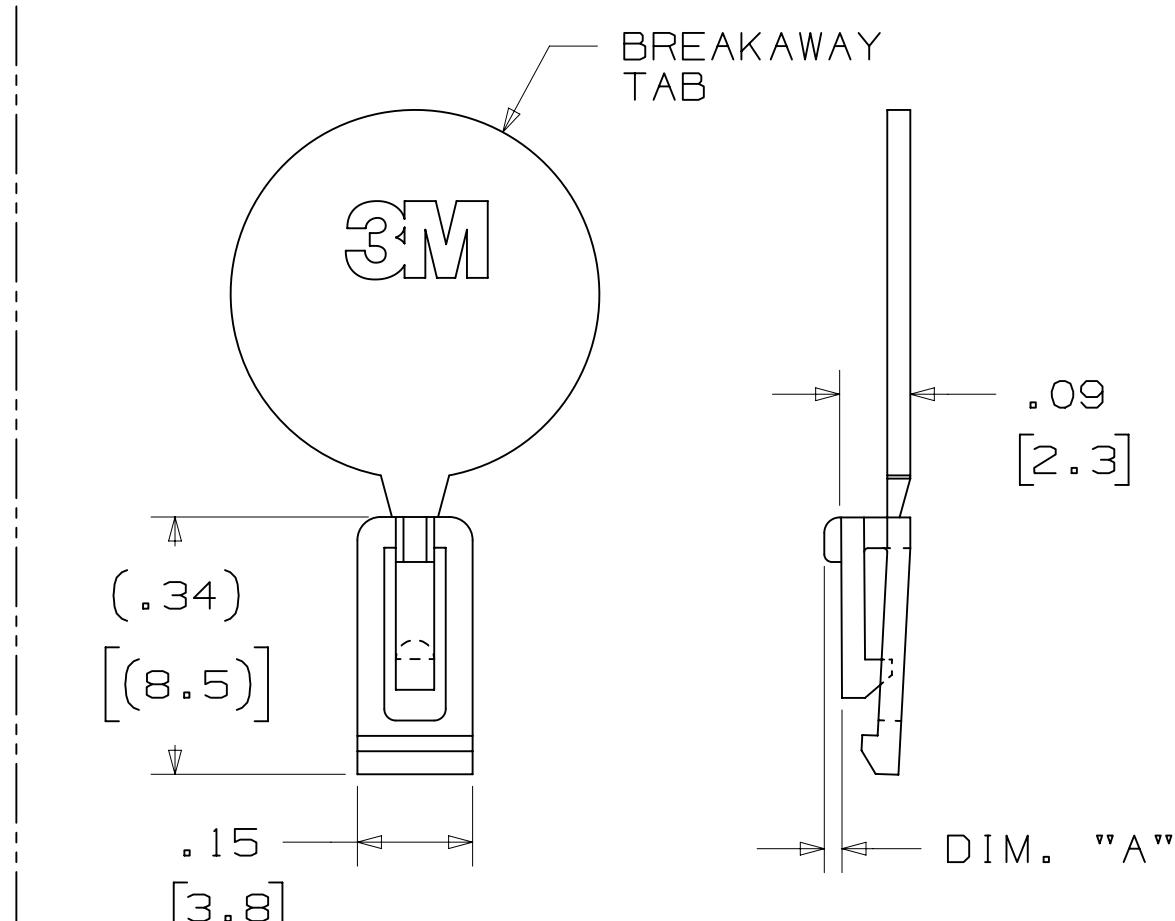
NOTE:
INSERT POST INTO ONE MOUNTING HARDWARE HOLE ON BOTTOM OF HEADER. SET POST TO PROTRUDE .115 [2.92].

(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.

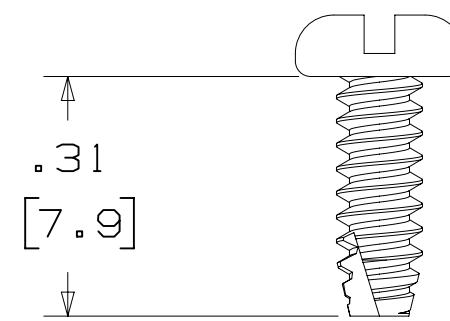
H	60056	MAR 06, 2015	JNC	RS
G	56068	AUG 05, 2014	JNC	RS
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
CASTIGLIONE		AUG 05, 2014	MFG DATE	DATE
CHKD		APPR. R. SCHERER	DATE	SEP 05, 2014
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HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
D	78-5100-0771-5	H		
3000 SERIES				
DET. LISTS	YES	NO	SHT 3	OF 4

8 7 6 5 4 3 2 1

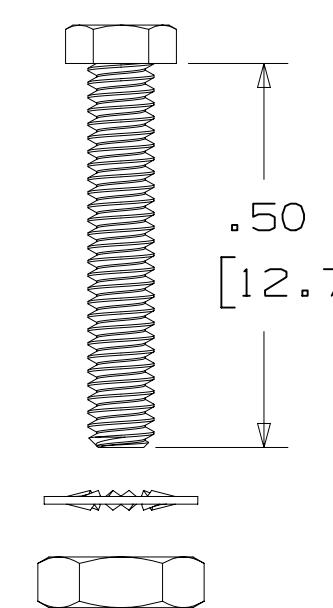
3M™ THREE-WALL HEADER, 3000 SERIES

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

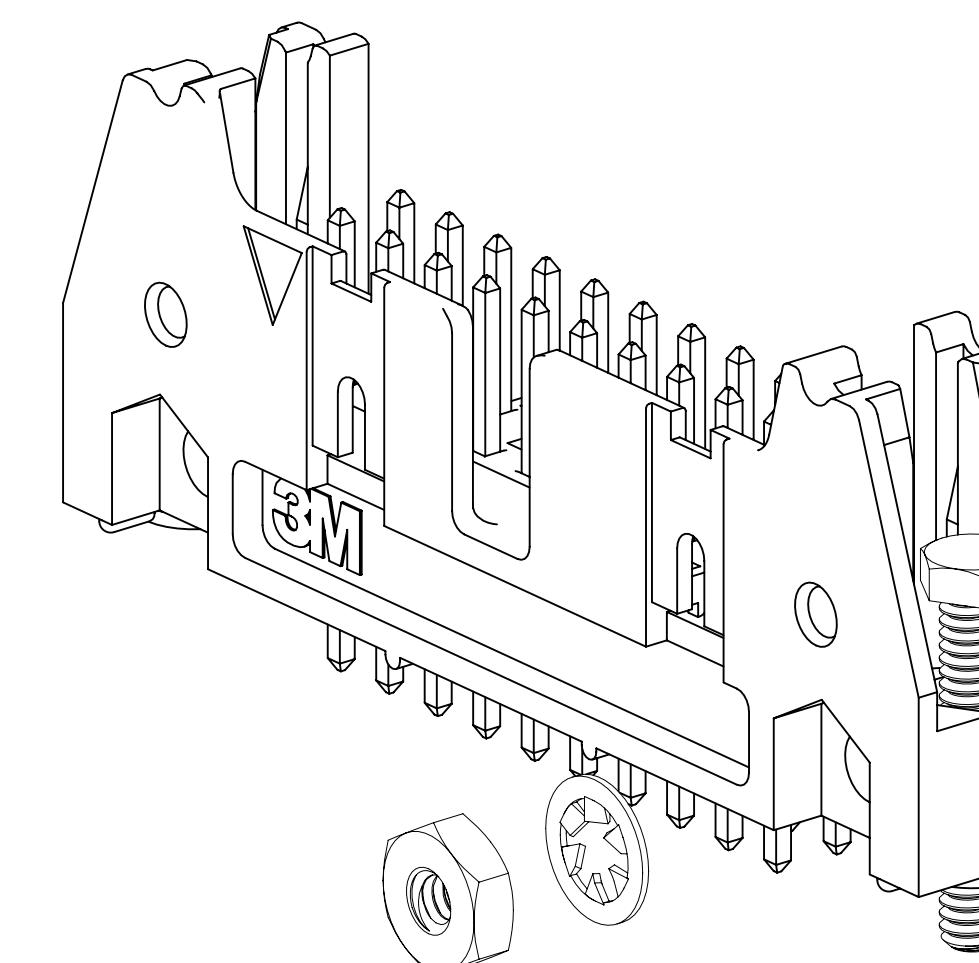
MOUNTING HARDWARE



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

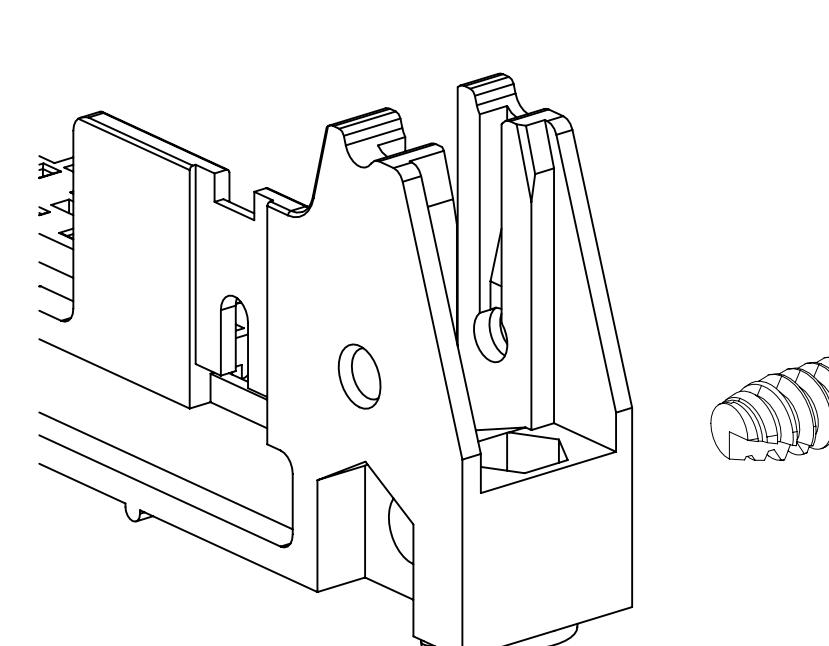


STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

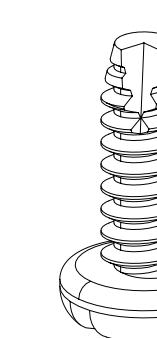


3341-6

#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	

Mouser Electronics

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