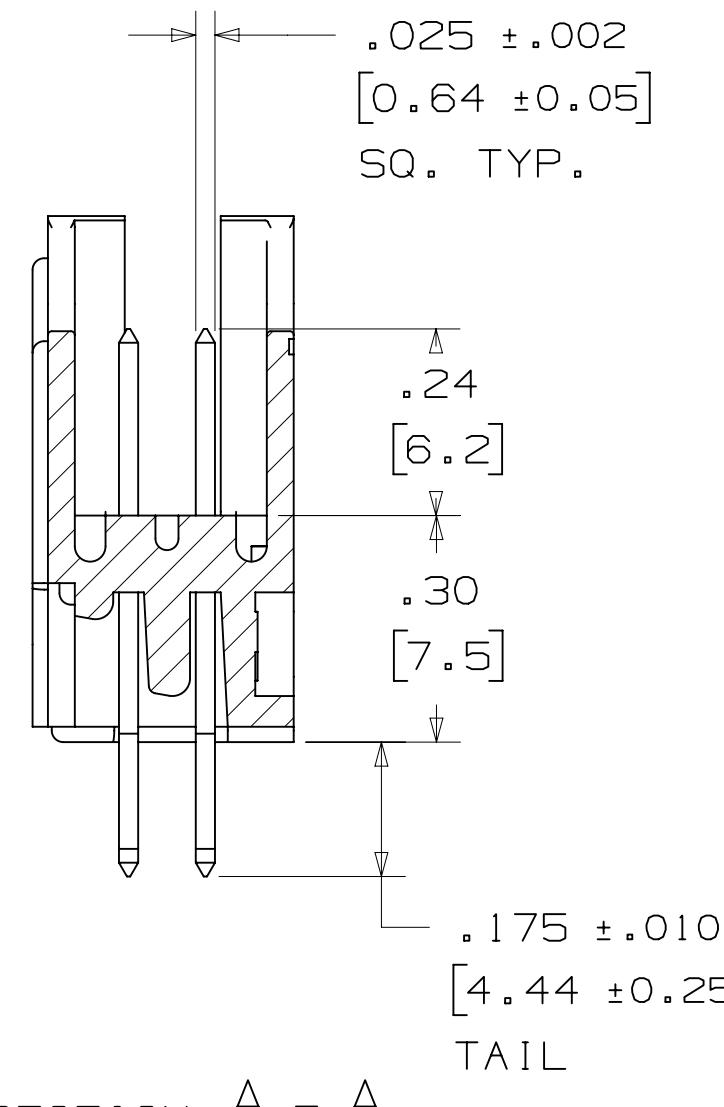


3M™ FOUR-WALL HEADER, 3000 SERIES

.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN



SECTION A - A

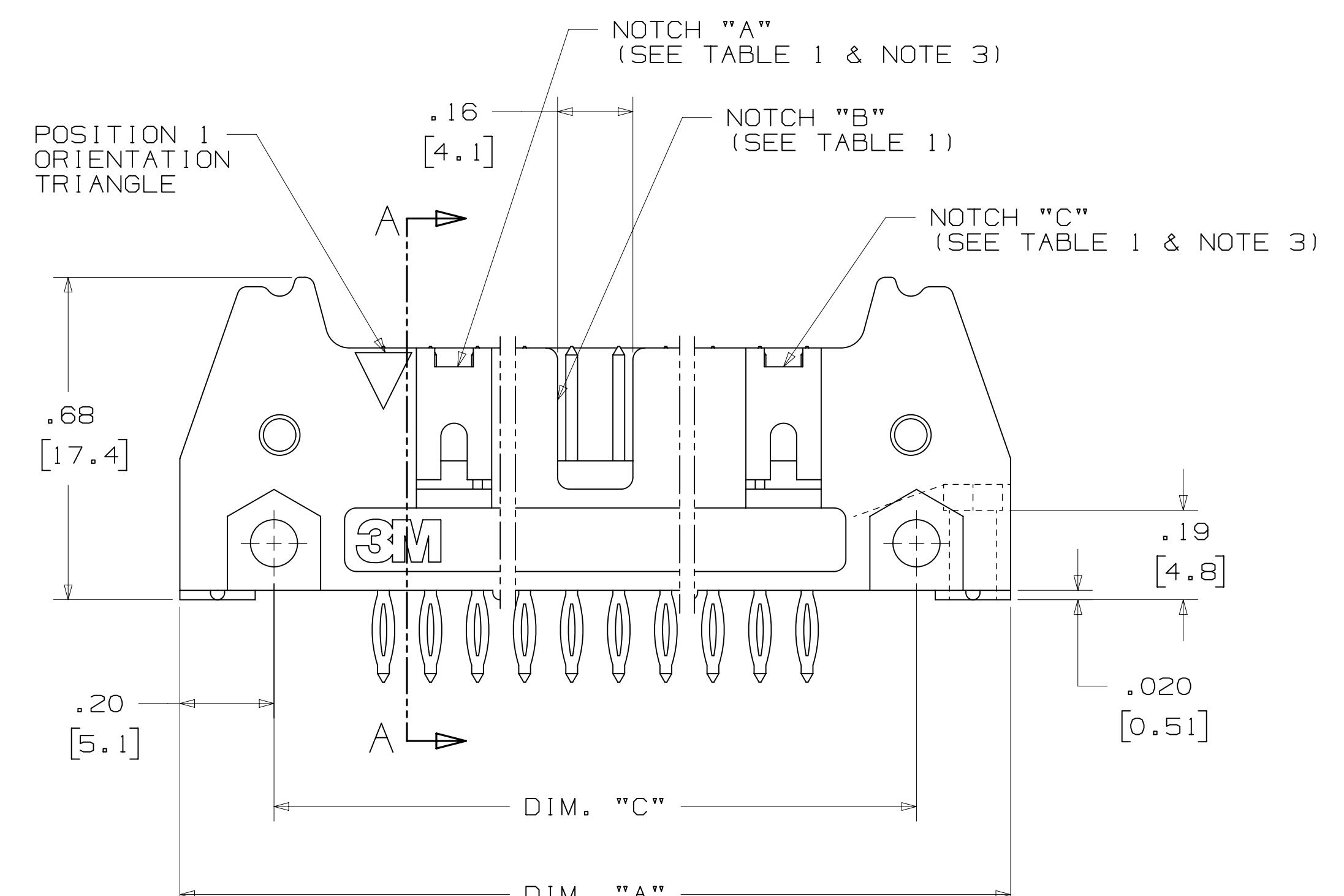
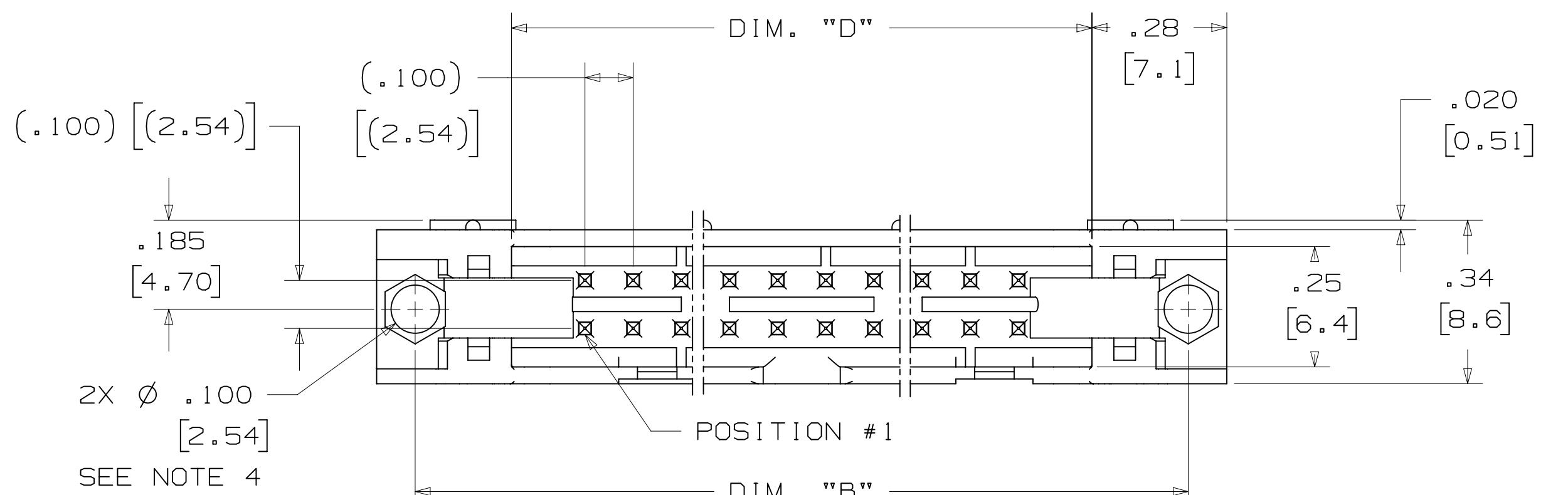


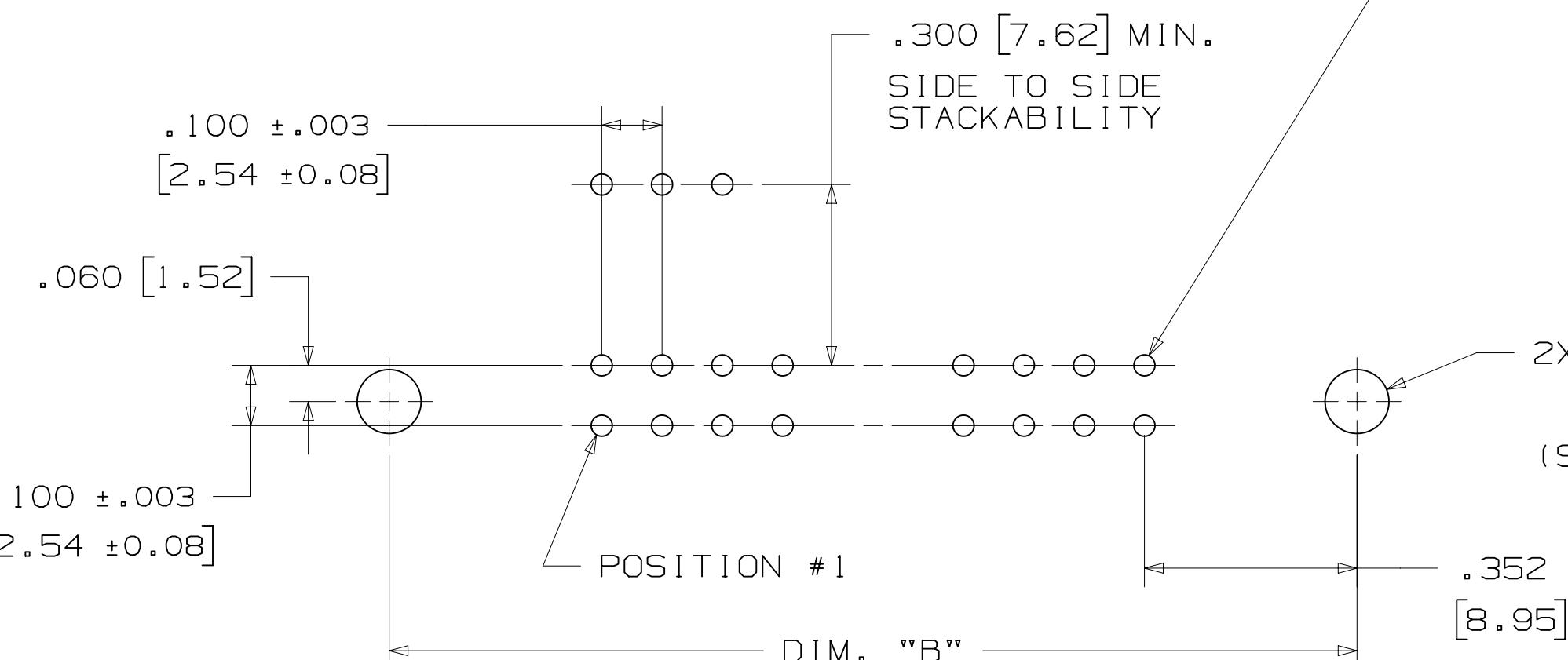
TABLE 1

PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	INSERTION PLATEN 3442-00XX	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	3442-0048	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	3442-0049	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	3442-0050	16
20	3428	1.76 [44.8]	1.604 [40.74]	1.365 [34.67]	1.21 [30.7]	ABC	3442-0051	20
24	3627	1.96 [49.9]	1.805 [45.82]	1.565 [39.75]	1.41 [35.8]	ABC	3442-0052	24
26	3429	2.06 [52.4]	1.905 [48.36]	1.665 [42.29]	1.51 [38.3]	ABC	3442-0053	26
30	3440	2.26 [57.5]	2.105 [53.44]	1.865 [47.37]	1.71 [43.4]	ABC	3442-0054	30
34	3431	2.46 [62.6]	2.305 [58.52]	2.065 [52.45]	1.91 [48.5]	ABC	3442-0055	34
40	3432	2.76 [70.2]	2.605 [66.14]	2.365 [60.07]	2.21 [56.1]	ABC	3442-0056	40
50	3433	3.26 [82.9]	3.105 [78.84]	2.865 [72.77]	2.71 [68.8]	ABC	3442-0057	50
60	3372	3.76 [95.6]	3.605 [91.54]	3.365 [85.47]	3.21 [81.5]	ABC	3442-0058	60
64	3764	3.96 [100.7]	3.805 [96.62]	3.565 [90.55]	3.41 [86.6]	ABC	3442-0059	64

ASSEMBLY EQUIPMENT:
USE 3442-00XX PLATEN (SEE TABLE #1) AND APPROPRIATE COMMERCIAL ARBOR PRESS
TO PRESS HEADER INTO PC BOARD.

DESIGN REFERENCE		NEXT ASSEMBLY	
ACCESS CODES	EMSD	ISSUE DATE AND DESCRIPTION	DRFT CHKD
CASTIGLIONE		JUL 31, 2014	MFG DATE
CHKD		DATE	APPR DATE
3M		3M Center St. Paul, MN 55144	© 3M COPYRIGHT 2015
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HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN			
CAGE NUMBER		SIZE	DRAWING NO.
D		REV. E	78-5100-0478-7
3000 SERIES		DET. LISTS	YES X NO SHT 2 OF 4

8 7 6 5 4 3 2 1
3M™ FOUR-WALL HEADER, 3000 SERIES
 .100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN

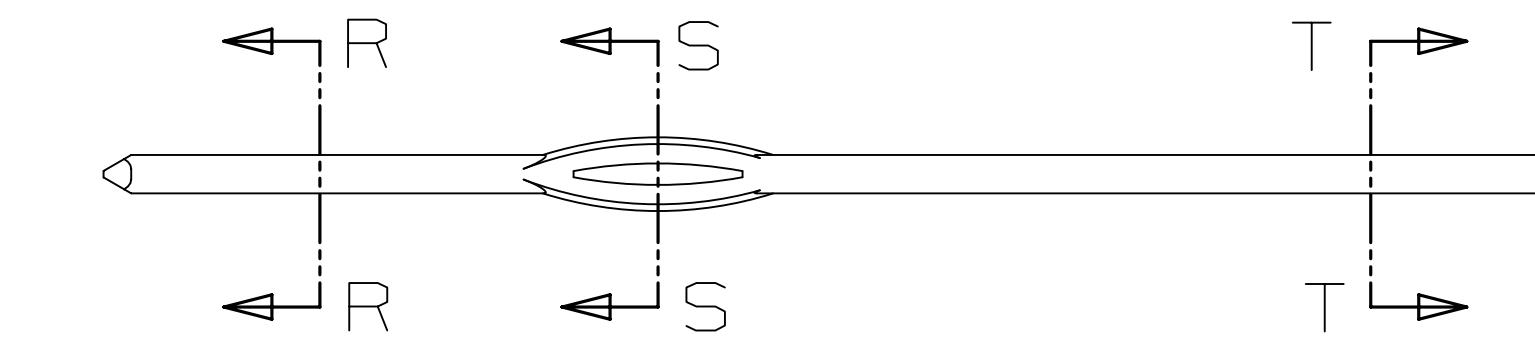


RECOMMENDED MOUNTING HOLE PATTERN

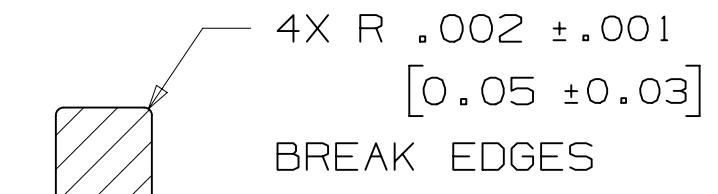
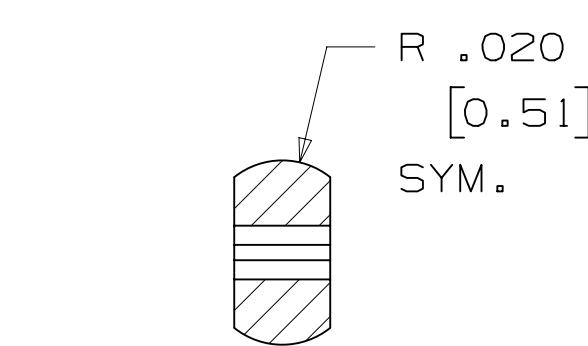
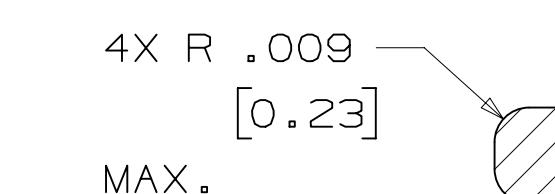
NOTE:
 PCB HOLE SIZES AND TOLERANCES RECOMMENDED FOR USE WITH 3M'S
 COMPLIANT PIN HEADER. THE INSERTION FORCE IS DESIGNED NOT TO
 EXCEED 40 POUNDS PER PIN AND THE WITHDRAWAL FORCE IS NOT
 LESS THAN 10 POUNDS PER PIN.

HOLE SIZE FOR:
 * PREFERRED DRILLED: Ø .0453 ± .0005
 * ACCEPTABLE DRILLED: Ø .0453 ± .0005/- .0010
 * AFTER ETCHBACK: Ø .0460 MAX.
 * AFTER PLATING: Ø .040 ± .003
 * BOARD THICKNESS: .093 TO .150
 PLATING:
 * .001 MIN. COPPER PLATING THICKNESS
 * .0003 MIN. TIN PLATING

SECTION R-R



TAIL SECTION
COMPLIANT SECTION
MATING AREA



SECTION S-S
SECTION T-T

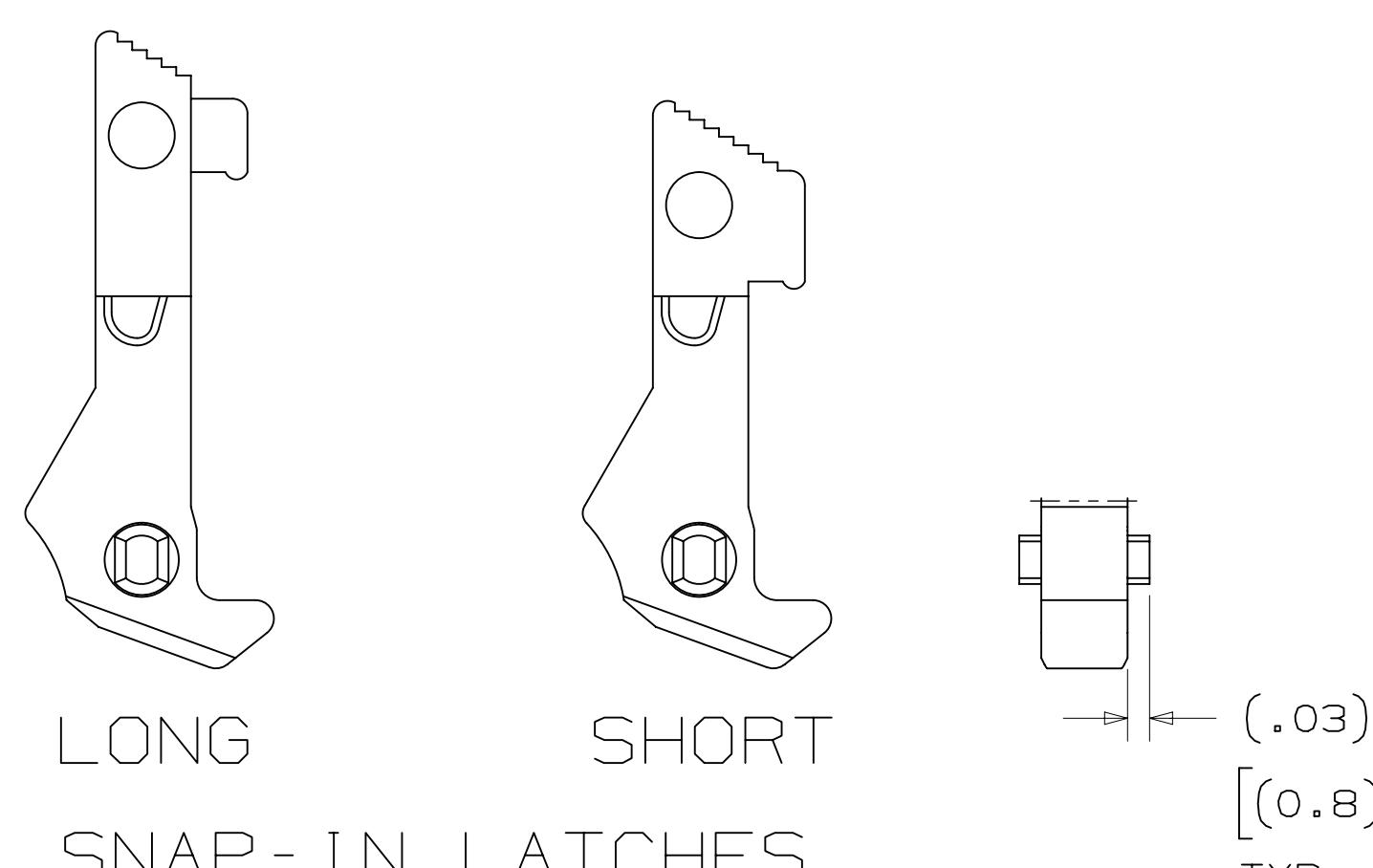
PART CUSTOMIZATION

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.

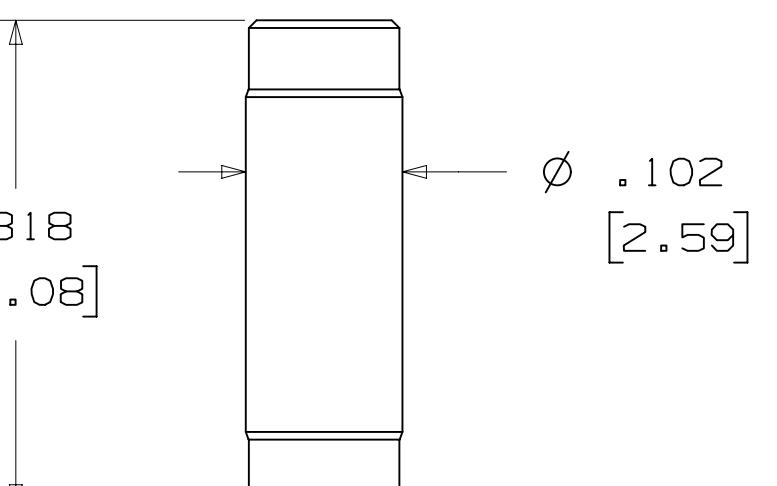
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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



NOTE:
 SNAP-IN LATCHES CAN ONLY BE ORDERED SEPARATELY AND ARE THE CUSTOMERS RESPONSIBILITY TO INSTALL.

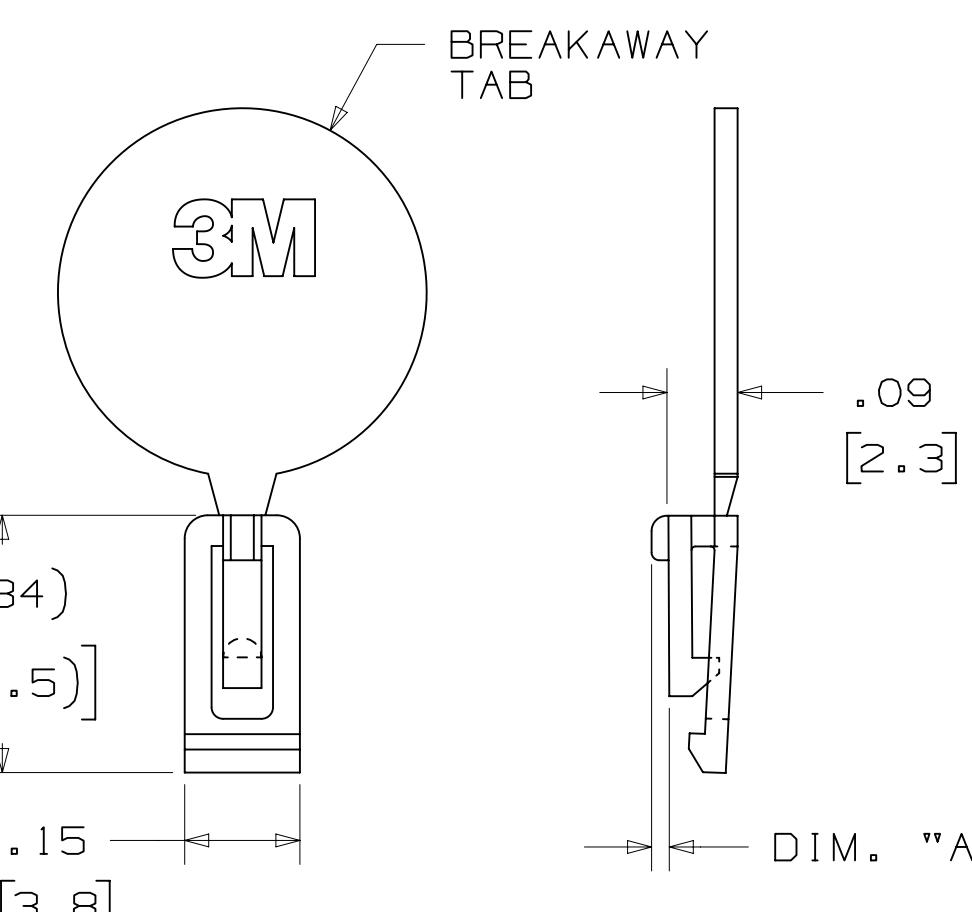
POLARIZING POST



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

3M PART NO.	MATERIAL	COLOR
3201-4	LCP	BLACK

POLARIZING KEY



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

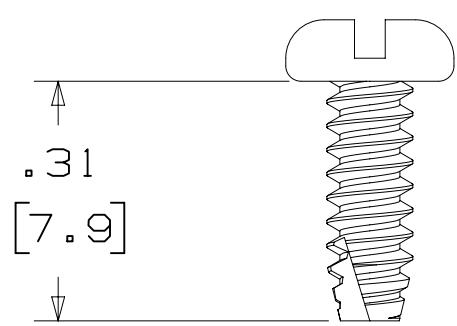
NOTE:
 #2216 B/A SCOTCHWELD CAN BE USED TO ADHERE KEYS.

E 56068		JUL 31, 2014		REVISED AND REDRAWN	
REV	ECO	DATE	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
CASTIGLIONE		JUL 31, 2014		MFG DATE	
CHKD		DATE		APPR'D R. SCHERER DATE SEP 05, 2014	
3M Center St. Paul, MN 55144					
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HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN					
CAGE	SIZE	DRAWING NO.	REV.		
D	78-5100-0478-7	E		DET. LISTS	YES X NO SHT 3 OF 4
MODEL	3000 SERIES				

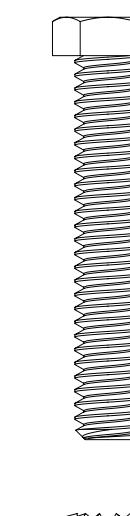
3M™ FOUR-WALL HEADER, 3000 SERIES

.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PI

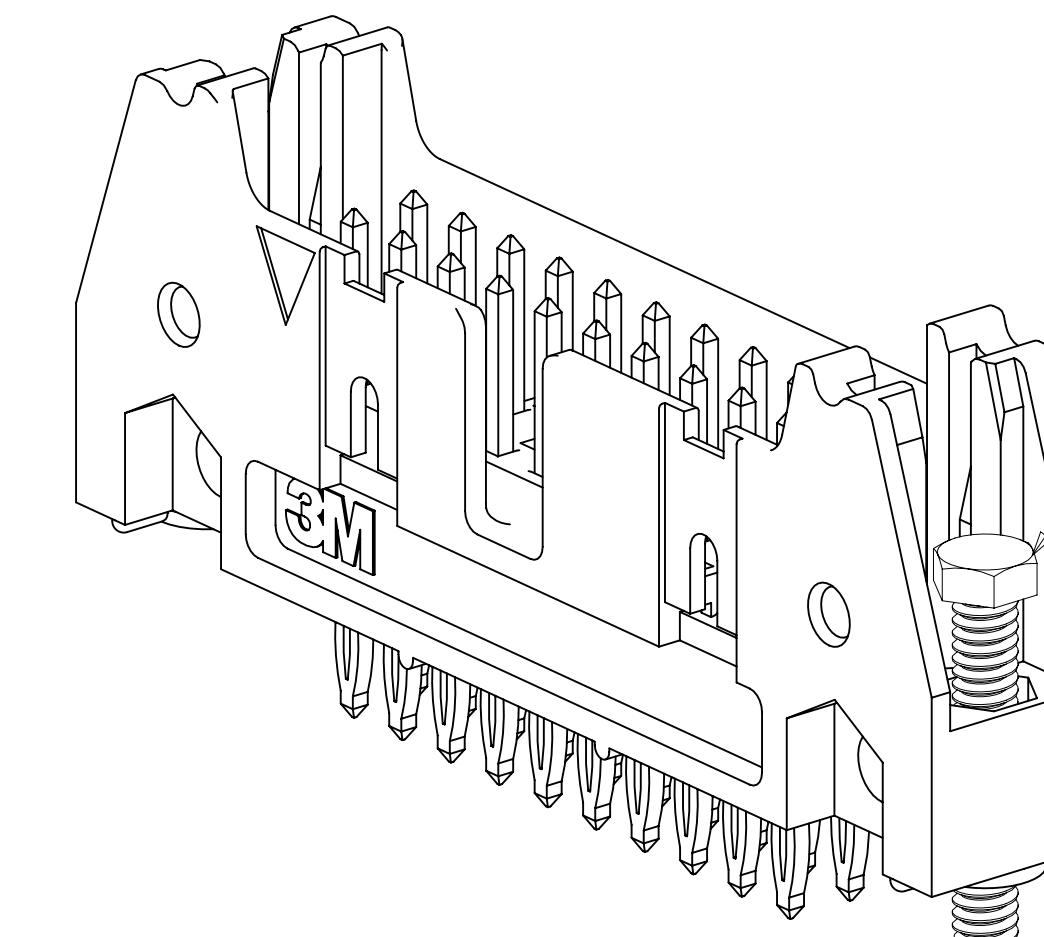
MOUNTING HARDWARE



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



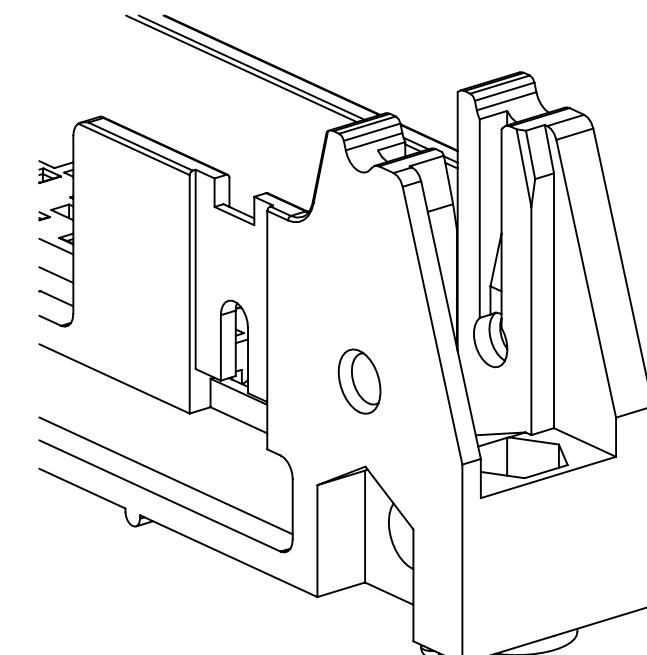
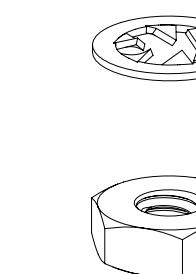
3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



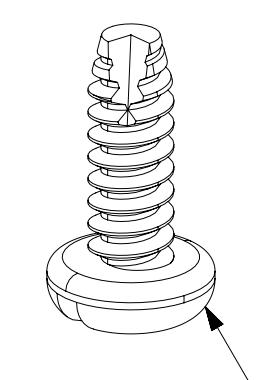
✓ STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

3341 - 6

#2-56 NUT AND BOLT
TORQUE FOR EACH BOLT: 1.25 - 3.125 INCH LBS.



3341 - 5



#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

DESIGN REFERENCE		NEXT ASSEMBLY		E	56068	JUL 31, 2014	JNC	RS
		REV	ECO	REVISED AND REDRAWN			DRFT	CHKD
ACCESS CODES				DRFT	CASTIGLIONE	DATE	DATE	
				JUL 31, 2014		MFG		
DIVISION Interconnect Solutions		DIVISION CODE EMSD		CHKD	DATE		APPVL	DATE
DO NOT SCALE DRAWING		SCALE <u>4</u> 1	TOLERANCES EXCEPT AS NOTED				R. SCHERER	SEP 05, 2014
			INCHES				© 3M COPYRIGHT 2015	
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			.00	± .01				
			.000	± .005				
			.0000	±				
					TITLE			
					HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN			
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		CAGE NUMBER	SIZE	DRAWING NO.		REV.
		0 ±						
MAX SURFACE ROUGHNESS		.0 ± .3						
		.00 ± .13						
		.000 ±						
ALL SURFACES								
MARKED ONLY								
ANGLES				MODEL	DET. LISTS		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	SHT 4 OF 4
				3000 SERIES				