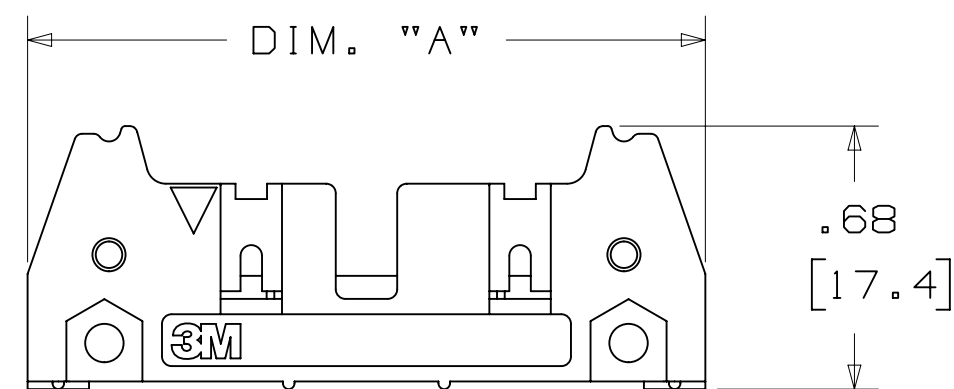


.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



Technical drawing of a mechanical part showing 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: $[(27.2)]$

UL
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

© 3M COPYRIGHT 2015
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.

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

CAGE NUMBER
D78-5100-0771-5

MODEL
3000 SERIES

REV. ECO
ISSUE DATE AND DESCRIPTION
AUG 05, 2014
MFG DATE
AUG 05, 2014
APPR. R. SCHERER
DATE
SEP 05, 2014

DRFT
CHKD

DATE

DATE

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
AUG 05, 2014
MFG DATE
AUG 05, 2014
APPR. R. SCHERER
DATE
SEP 05, 2014

DRFT
CHKD

DATE

DATE

CAGE NUMBER
D78-5100-0771-5

MODEL
3000 SERIES

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

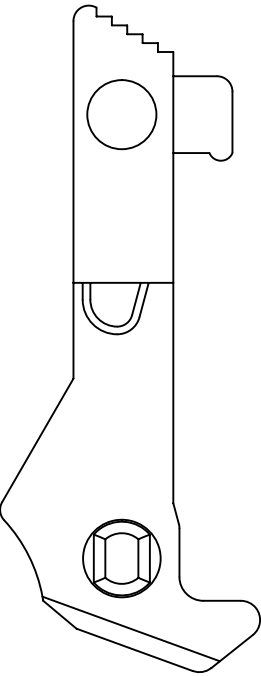
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

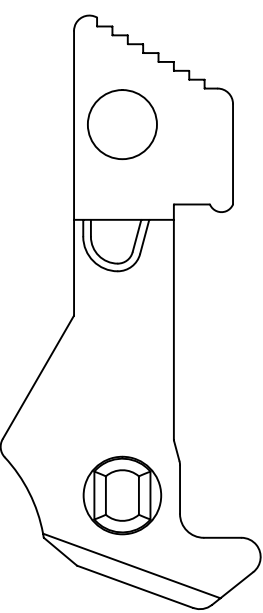
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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

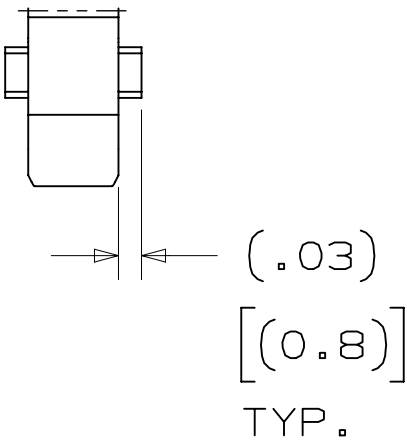


LONG



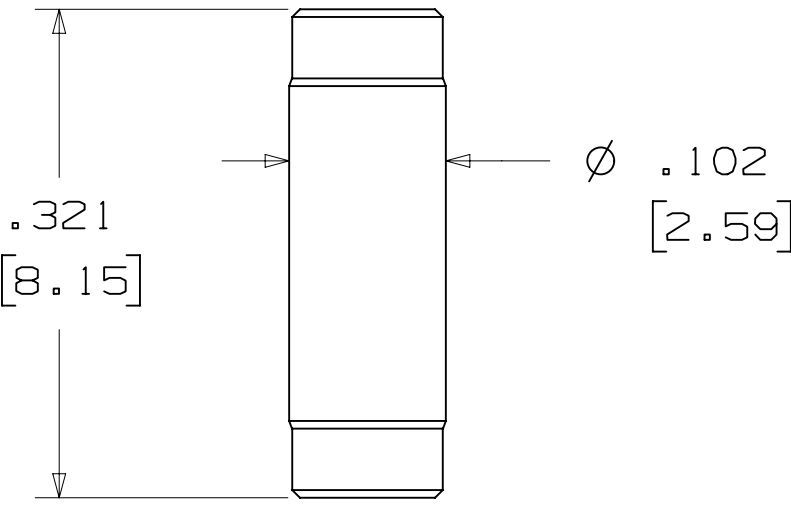
SHORT

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

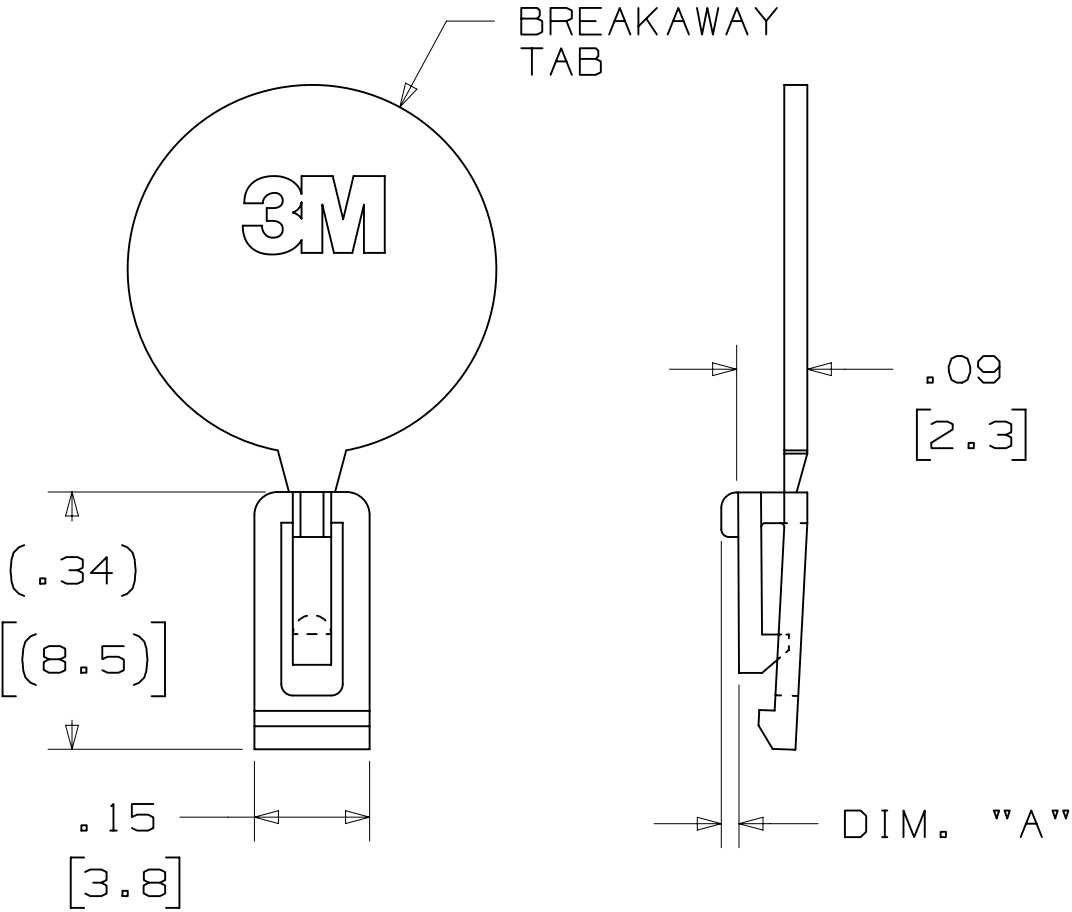
NOTE:
INSERT POST INTO ONE MOUNTING HARDWARE HOLE ON BOTTOM OF HEADER. SET POST TO PROTRUDE .115 [2.92]

(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
G		56068		AUG 05,2014	REVISED AND REDRAWN	JNC	RS		
DIVISION		DIVISION CODE		ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD		
Interconnect Solutions		EMSD		CASTIGLIONE	AUG 05,2014	MFG	DATE		
DO NOT SCALE DRAWING		SCALE 4 1		CHKD	R. SCHERER	DATE	SEP 05,2014		
THIRD ANGLE PROJECTION		TOLERANCES EXCEPT AS NOTED		© 3M COPYRIGHT 2015					
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ± .000 ± .0005 ± .0000 ±		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.					
MAX SURFACE ROUGHNESS		INCHES .00 ± .01 .000 ± .0005 .0000 ±		TITLE					
MARKED ONLY		MILLIMETERS 0 ± .00 ± .03 ± .000 ±		HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA					
CAGE NUMBER		DRAWING NO.		CAGE NUMBER					
D		78-5100-0771-5		H					
MODEL		3000 SERIES		REV.					
				SHT 3 OF 4					

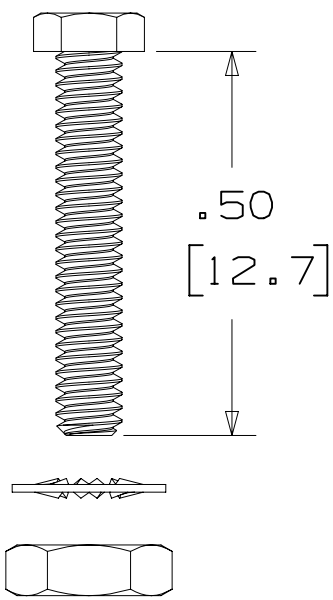
3M™ THREE-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

MOUNTING HARDWARE



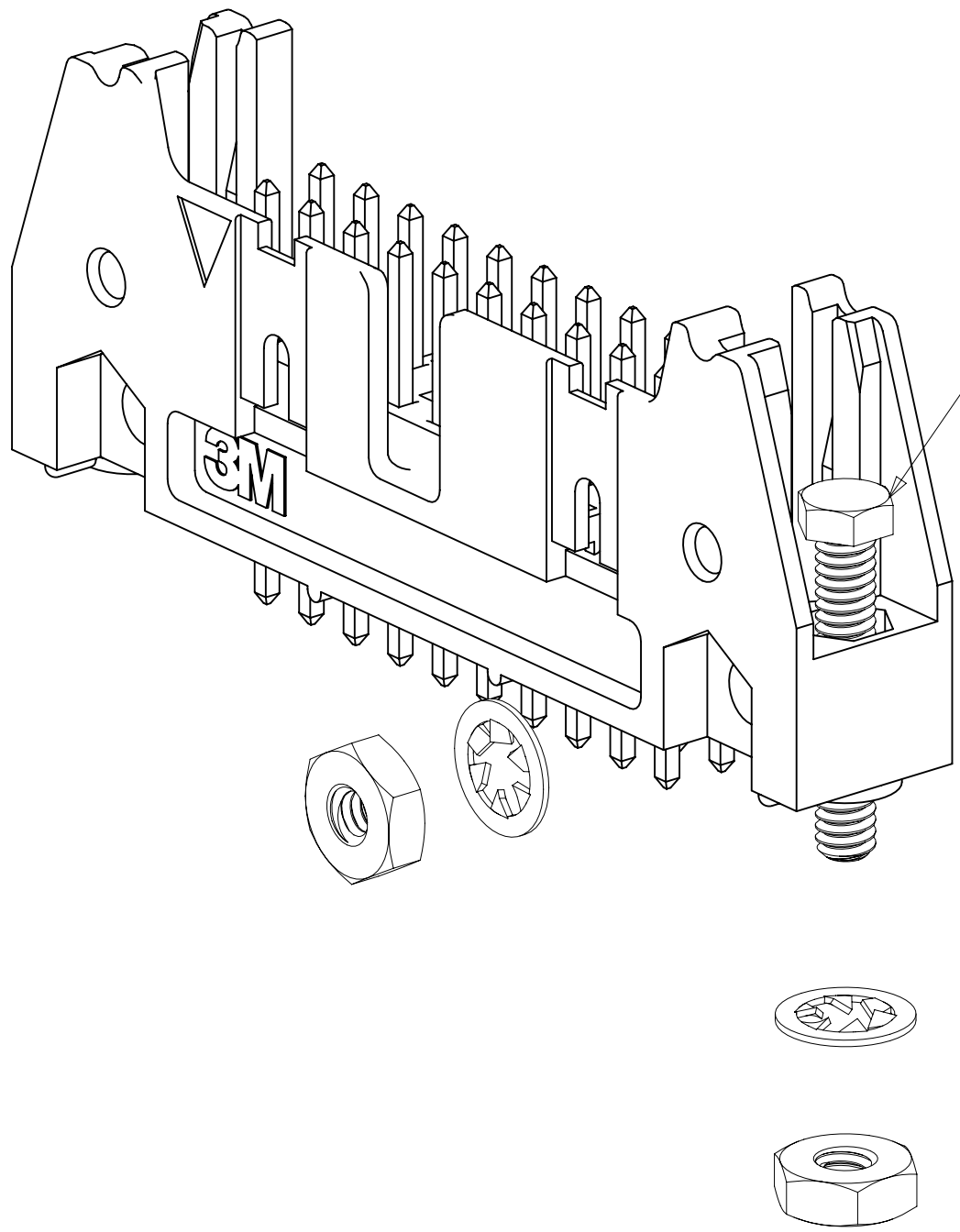
3341-5

(INSTALL FROM BOTTOM OF BOARD)
PANHEAD THREAD CUTTING SCREW:
#4-24 X 5/16"
TYPE: USA STD BT, FEDERAL B6
MATERIAL: STAINLESS STEEL



3341-6

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

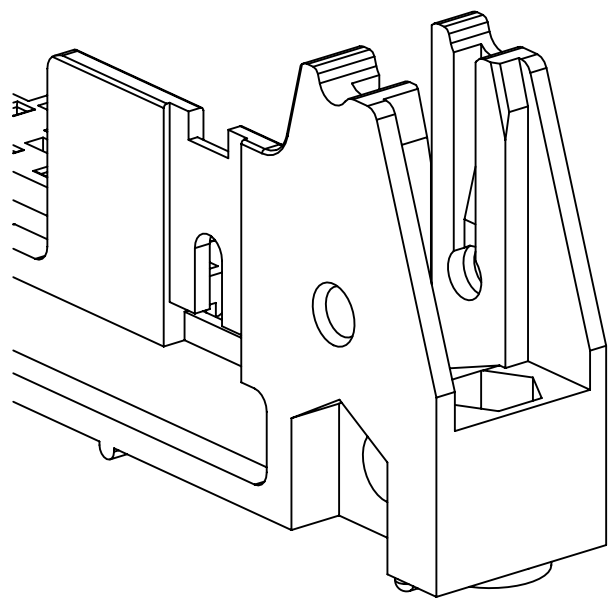


STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

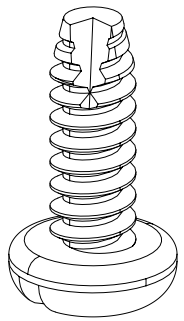
RIGHT ANGLE VERSION INSTALL

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

H		60050E		MAR 06,2015		JNC		RS			
G		5606B		AUG 05,2014		JNC		RS			
REV		ECO		ISSUE DATE AND DESCRIPTION				DRFT		CHKD	
DRFT		CASTIGLIONE		DATE		AUG 05,2014		MFG		DATE	
CHKD				DATE				APPR		DATE	
								R. SCHERER		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		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		TITLE					
				INCHES		HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA					
THIRD ANGLE PROJECTION				.0 1							
INTERPRET PER ASME Y14.5 - 2009				.000 .005							
MAX SURFACE ROUGHNESS				.0005							
				MILLIMETERS							
✓				.0 1							
□ MARKED ONLY				.000 .03							
				.0005							
				ANGLES							