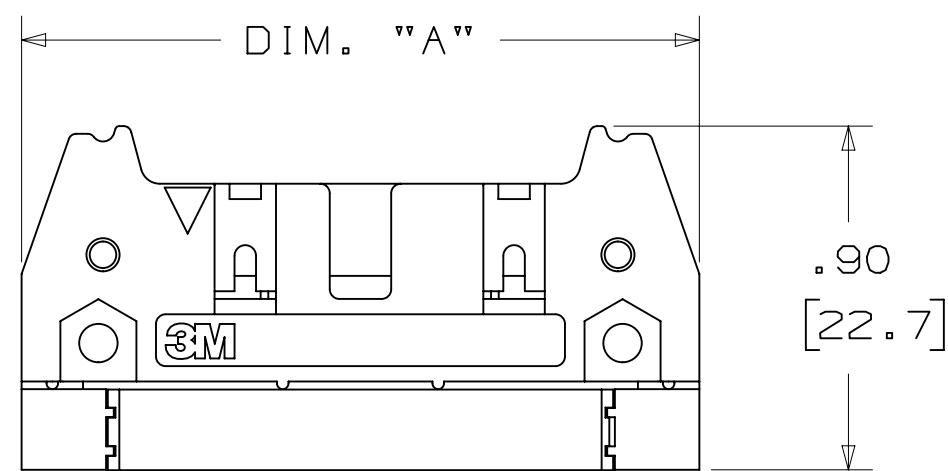
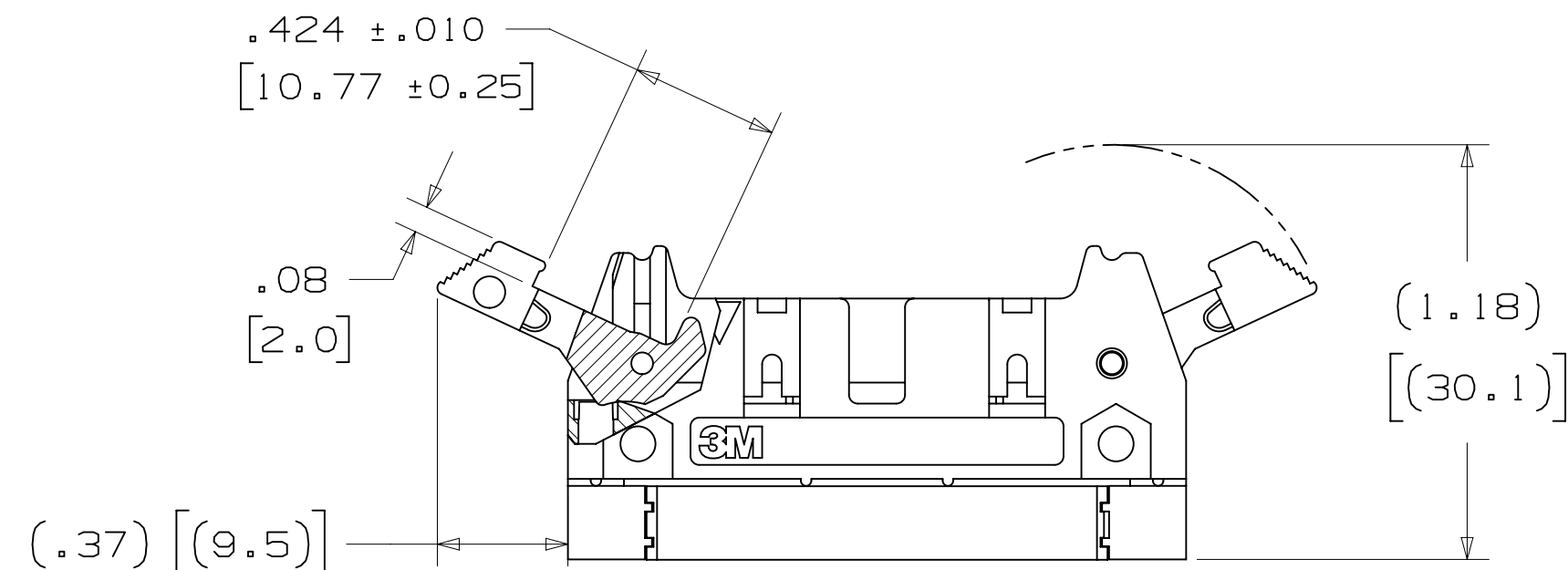


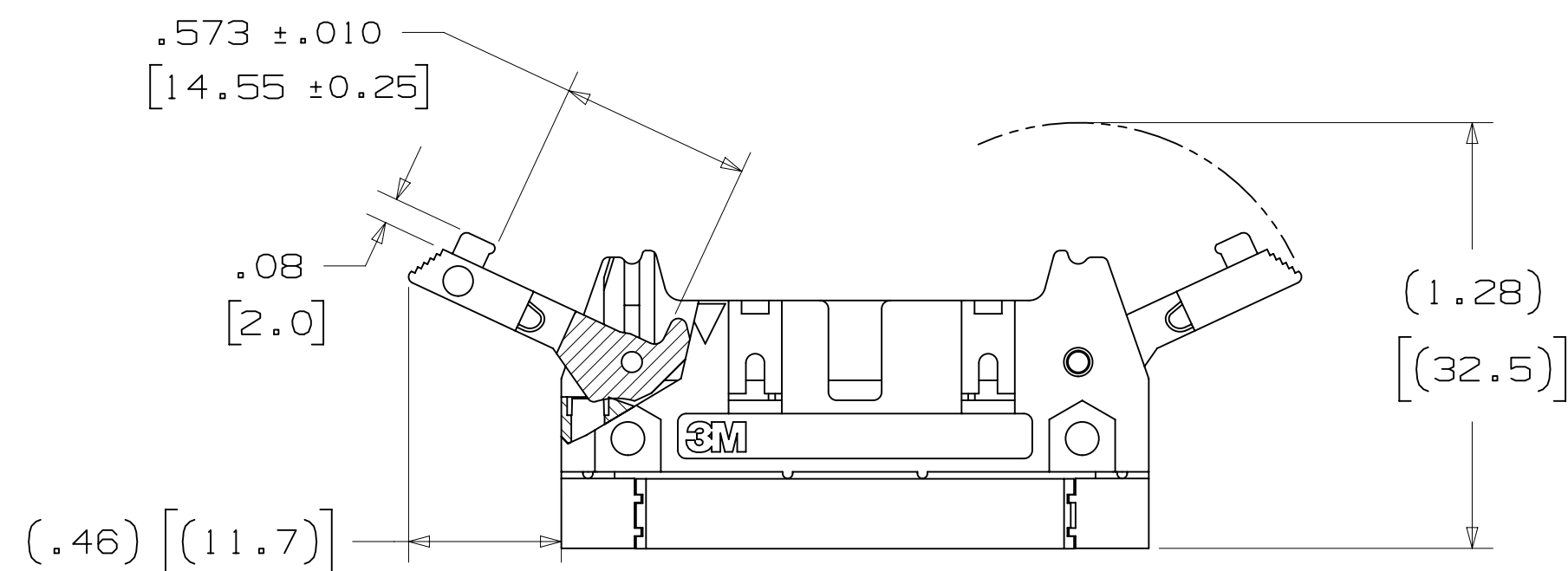
.100" X .100" LATCH/EJECTOR, RIGHT ANGLE



-LOOX
HEADER WITHOUT LATCH EJECTOR



-L20X
HEADER WITH SHORT LATCH EJECTOR
FOR 3M SOCKETS WITHOUT STRAIN RELIEF



-L30X
HEADER WITH LONG LATCH EJECTOR
FOR 3M SOCKETS WITH STRAIN RELIEF

X3XXX-LXXXXX

3M PART NUMBER:
(SEE TABLE 1)

```
- TAIL:
02 = FOR .062 [ 1.57 ] THICK BOARD
03 = FOR .094 TO .125 [ 2.39 TO 3.18 ] THICK BOARD
```

- PLATING:

RB = 30μ" [0.76μm] GOLD AND 200μ" [5.08μm] MATTE TIN
(APP. E1 & C1 APPLY)

UB = 30μ" [0.76μm] GOLD AND 200μ" [5.08μm]
TIN LEAD (APP. E3 & C2 APPLY)

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FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

- * STACKED PINS CONSERVE SPACE ON THE CIRCUIT BOARD ALLOWING HIGHER DENSITY PACKAGING.
- * PIN QUANTITY TO 128 GIVES DESIGN FLEXIBILITY WITH LATCHING.
- * "HDI" ALTERNATIVE.
- * ACCEPTS STANDARD IDC SOCKETS.
- * MATES WITH STANDARD FLAT CABLE HARNESSSES.
- * HIGH TEMPERATURE INSULATOR SUITABLE FOR "NO LEAD" SOLDERING OPERATIONS.
- * SUITABLE FOR REFLOW SOLDERING USING "PASTE IN HOLE" TECHNIQUES.

2 PHYSICAL :

```

INSULATOR:
  MATERIAL: GLASS FILLED POLYESTER (PCT)
FLAMMABILITY: UL94V-0
  COLOR: BLACK
CONTACT:
  MATERIAL: COPPER ALLOY
  PLATING:
UNDER PLATING: 100μ" [ 2.54μm ] NICKEL-OVERALL
  WIPING AREA: 30μ" [ 0.76μm ] AVG. GOLD
  SOLDER TAILS: 200μ" [ 5.08μm ] TIN LEAD OR MATTE TIN (SEE ORDERING INFORMATION)
MARKINGS: 3M LOGO, PART IDENTIFICATION NUMBER AND ORIENTATION TRIANGLE

```

2 ELECTRICAL :

CURRENT RATING: 1A (EIA 364-70)
INSULATION RESISTANCE: $>1 \times 10^9 \Omega$ AT 500 V_{DC}
WITHSTANDING VOLTAGE: 1,000V_{RMS} AT SEA LEVEL

2 ENVIRONMENTAL :

TEMPERATURE RATING: -55°C TO 105°C
PROCESS RATING: 260°C, PER J-STD-020C, SINGLE PASS
MOISTURE SENSITIVITY LEVEL: 1 (PER J-STD-020C)

NOTES

1.	REGULATORY INFORMATION: ROHS COMPLIANT. SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF WWW.3MCONNECTORS.COM FOR COMPLIANCE INFORMATION.
----	--

2 IN THE EVENT OF CONFLICT
BETWEEN THIS DATA AND THAT
CONTAINED IN THE PRODUCT
SPECIFICATION, THE PRODUCT
SPECIFICATION TAKES PRECEDENT.

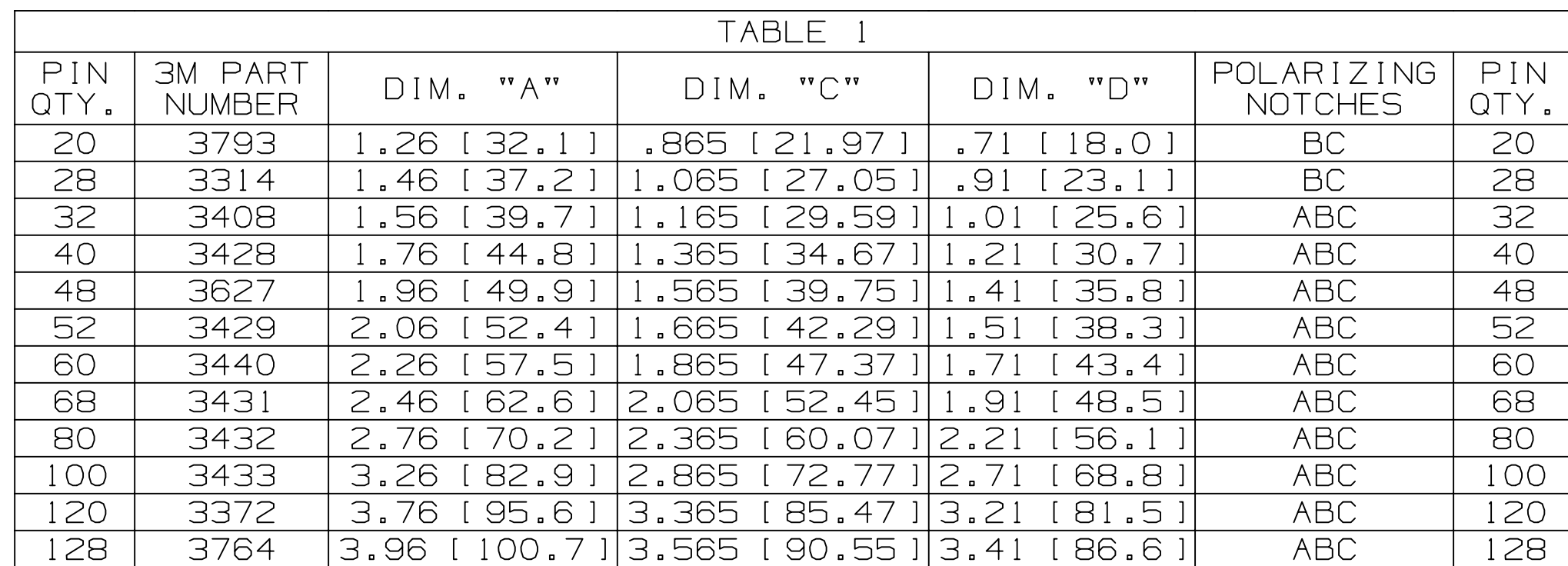
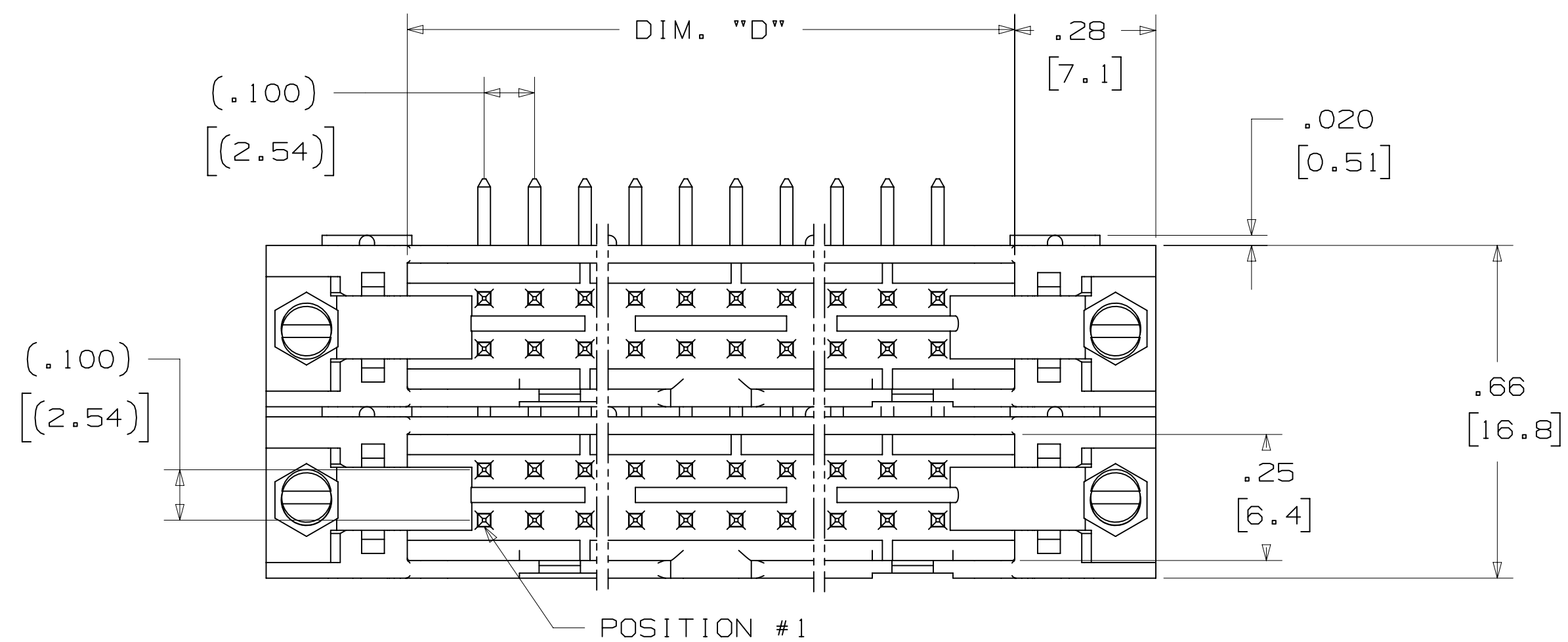
3	NOTCHES A & C WILL ACCOMODATE 3M POLARIZING KEY: N3518.
---	--

4 MOUNTING HARDWARE:
FROM SOLDER SIDE OF PC BOARD
USE #4-24 THREAD CUTTING SCREW
(3M PART #3341-5) AND
Ø .116 (2.95) MOUNTING HOLE.

K		60056	MAR 06,2015		JNC	RS
J		56068	AUG 05,2014		JNC	RS
REV		ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DRFT		CAGST1G1ONE	DATE AUG 05,2014		MFG	DATE
CHKD			DATE		APPROVAL S. SCHERER	DATE SEP 05,2014
DIVISION		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 other than for 3M authorized purposes. All rights reserved.		
Interconnect Solutions		EMSD		TITLE HEADER, 4-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA		
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		CAGE NUMBER D78-5100-0774-9		
THIRD ANGLE PROJECTION		INCHES .00 ± .01 .0000 ± .005 .0000 ±		REV. K		
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ± .00 ± .13 .0000 ±		MODEL 3000 SERIES		
MAX SURFACE ROUGHNESS □ SURFACES		ANGLES		DET. ☒ YES ☐ NO		
✓ MARKED ONLY				SHT 1 OF 3		

UL
UL FILE NO: E68080

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



NOTE :
.112 [2.84] TAIL LENGTH SUITABLE FOR
.062 [1.57] THICK PC BOARD.

K	60056	MAR 06, 2015		JNC	RS
		REVISED ORDERING NUMBER			
J	56068	AUG 05, 2014		JNC	RS
		REVISED AND REDRAWN			
REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DRFT CASTIGLIONE		DATE AUG 05, 2014	MFG	DATE	
CHKD		DATE	SIGN R. SCHERER	DATE SEP 05, 2014	
		© 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 other than for 3M authorized purposes. All rights reserved.			
3M Center St. Paul, MN 55144					
TITLE					
HEADER, 4-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA					
CAGE NUMBER		DRAWING NO.		REV.	
D		78-5100-0774-9		K	
MODEL		3000 SERIES		DET. ☐ LISTS ☐ DYES ☒ NO ☐ SHT 2 OF 3	

Imaged: K.1 3/6/2015 12:57 PM UTC-06:00

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



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.

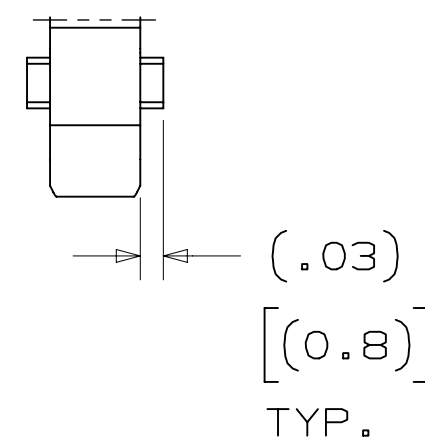
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

LONG

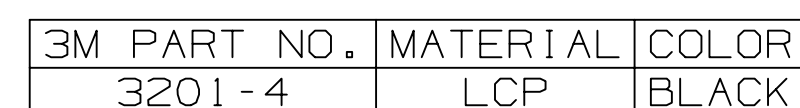
SHORT

SNAP-IN LATCHES

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

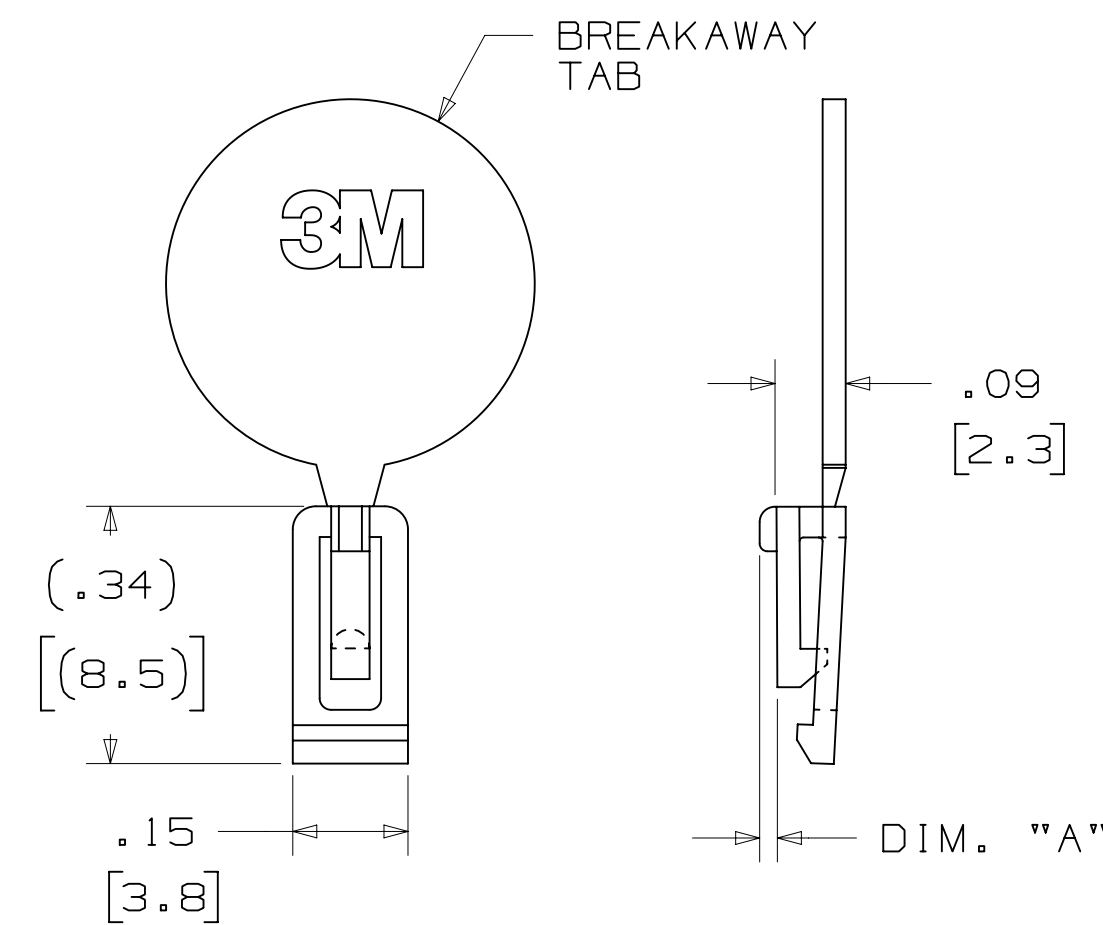


POLARIZING POST



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

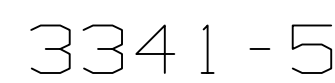
POLARIZING KEY



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

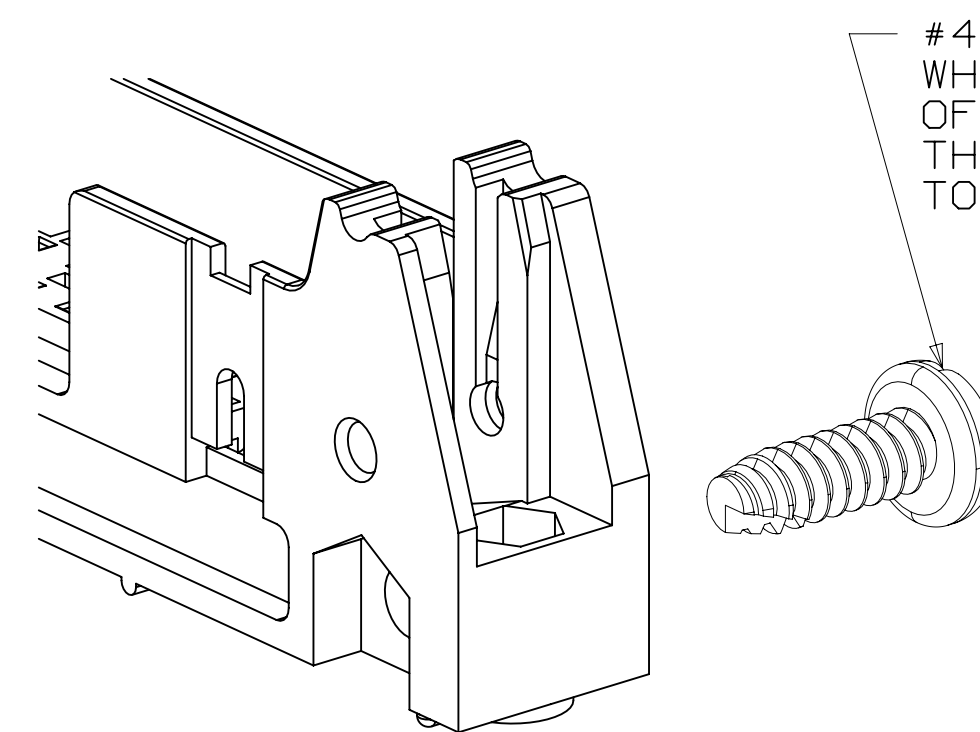
NOTE:
#2216 B/A SCOTCHWELD CAN BE USED TO
ADHERE KEYS.

MOUNTING HARDWARE

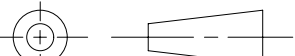


(INSTALL FROM BOTTOM OF BOARD)

PANHEAD THREAD CUTTING SCREW:
#4-24 X 5/16"
TYPE: USA STD BT, FEDERAL BG
MATERIAL: STAINLESS STEEL



#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		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES				DRFT	CAST1G1L1ONE		AUG 05,2014	MFG	DATE
_____		_____		CHKD			DATE	APPR	DATE
_____		_____						R. SCHERER	SEP 05,2014
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2015					
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DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED							
SCALE 4 1									
		INCHES		TITLE HEADER, 4-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA					
THIRD ANGLE PROJECTION		.00 ± .00 ±.01 .000 ±.005 .0000 ±							
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		CASE NUMBER D 78-5100-0774-9					
		.00 ± .00 ±.3 .000 ±.13 .000 ±							
MAX SURFACE ROUGHNESS MIN SURFACES ☒ MARKED ONLY		ANGLES		MODEL 3000 SERIES		DET. LISTS ☐ YES ☒ NO		REV. K	
						SHT 3 OF 3			