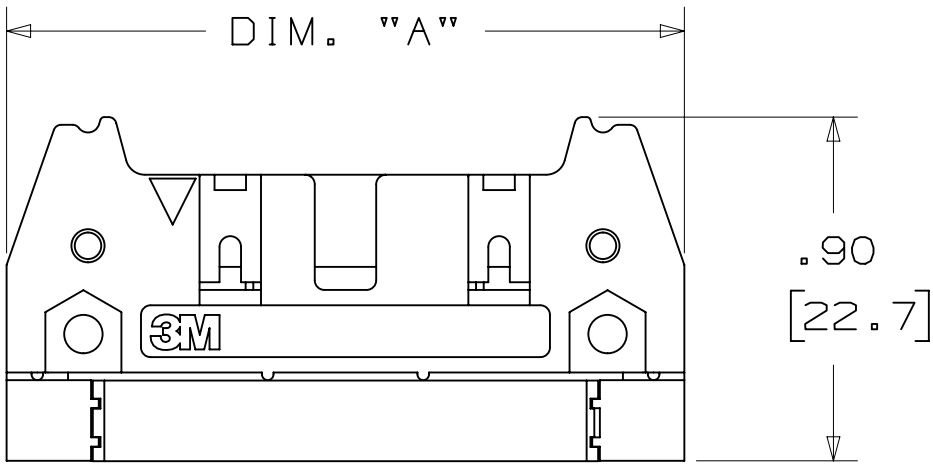
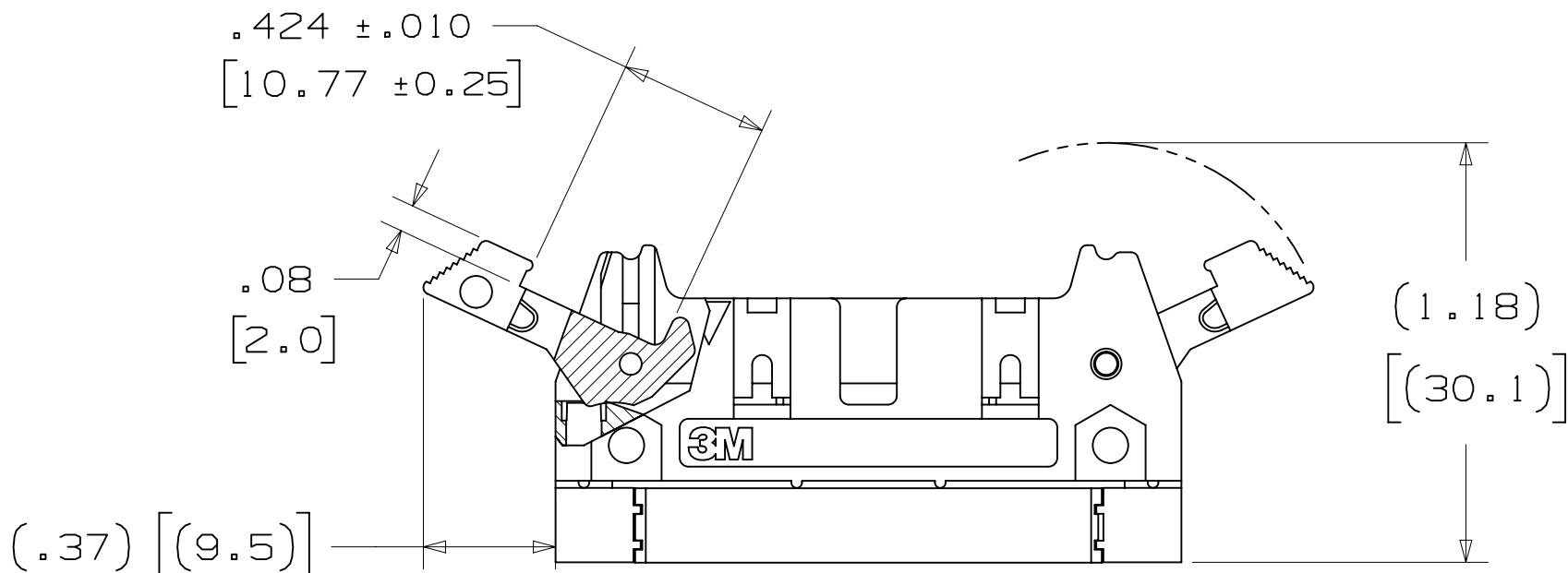


3M™ FOUR-WALL CONDO HEADER, 3000 SERIES

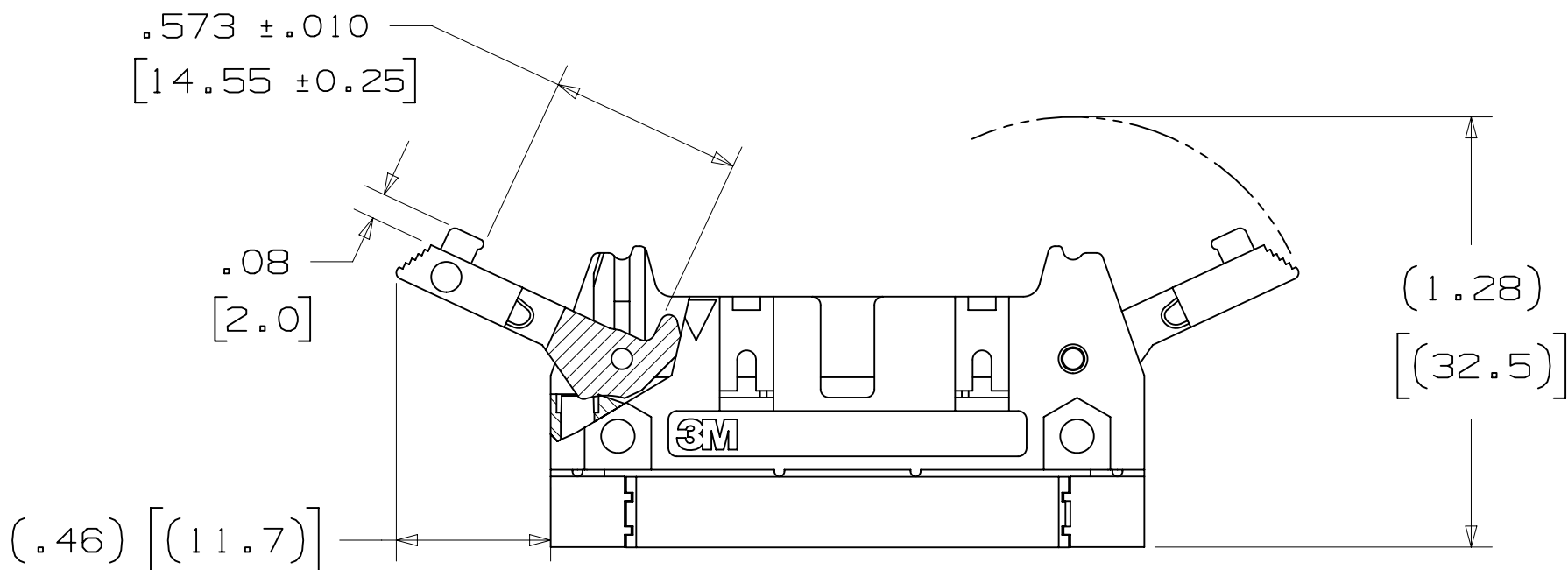
.100" X .100" LATCH/EJECTOR, RIGHT ANGLE



-L00X
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

2 PHYSICAL :

INSULATOR: GLASS FILLED POLYESTER (PCT)
MATERIAL: UL94V-0
FLAMMABILITY: 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 X 10⁹Ω 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)

ORDERING INFORMATION

X3XXX-LXXXXX

N= HIGH TEMP BLACK (PCT)/(RB PLATING REQ'D)
BLANK= (UB PLATING)

3M PART NUMBER:
(SEE TABLE 1)

LATCH/EJECTOR SYSTEM:
0 = NO LATCH/EJECTOR INSTALLED
2 = SHORT ROLL PIN LATCH/EJECTORS
3 = LONG ROLL PIN LATCH/EJECTORS

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)

- * 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 TERMERATURE INSULATOR SUITABLE FOR "NO LEAD" SOLDERING OPERATIONS.
- * SUITABLE FOR REFLOW SOLDERING USING "PASTE IN HOLE" TECHNIQUES.

- 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.

3M ELECTRONIC MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3mconnectors.com>

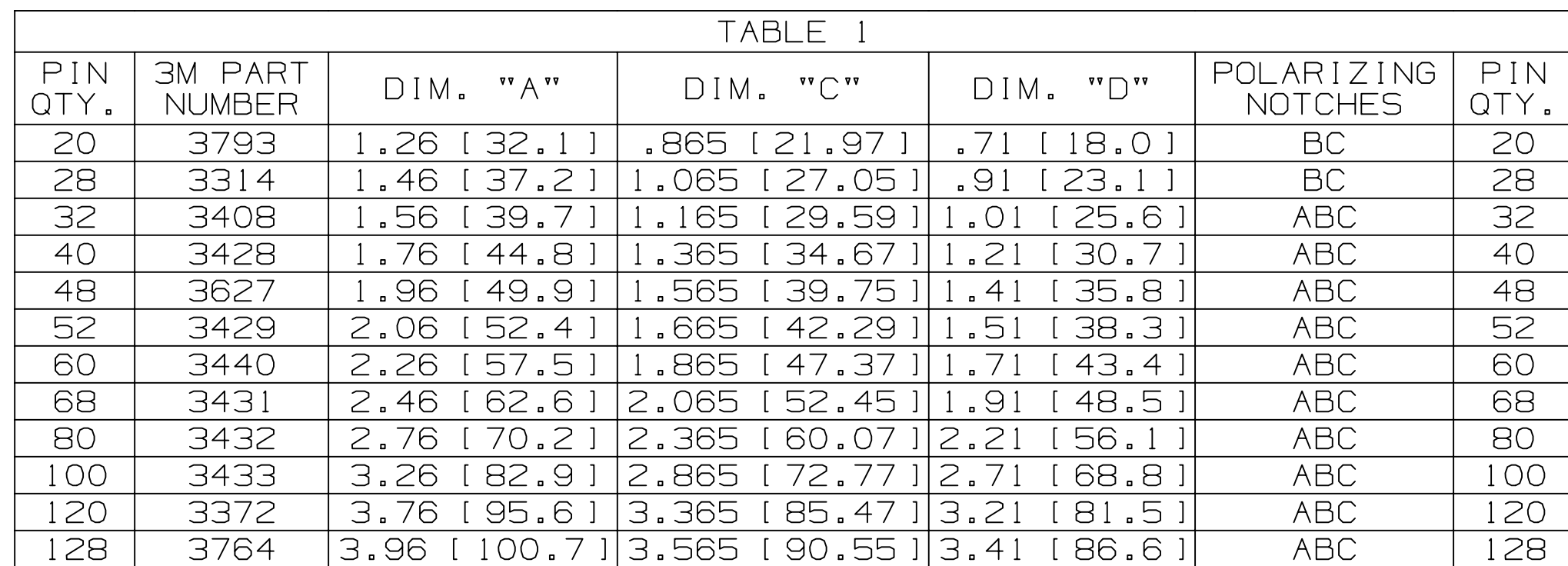
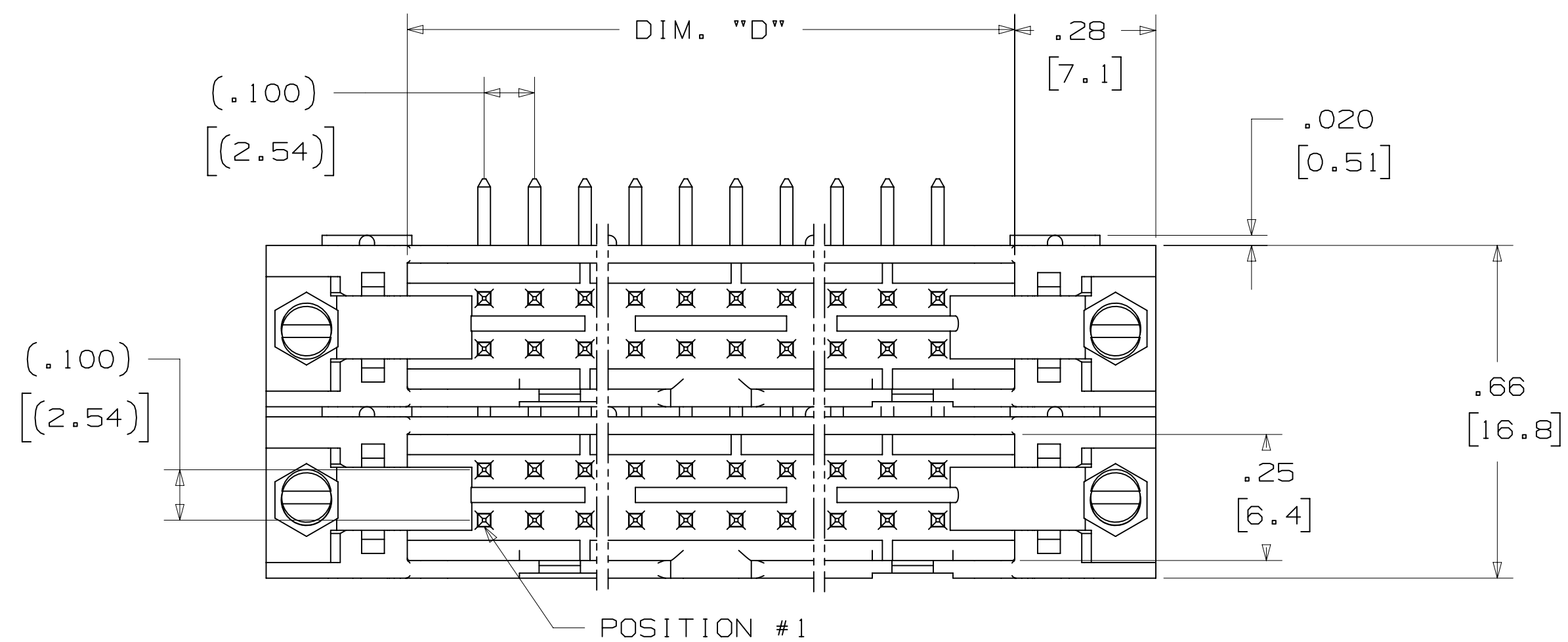
3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

UL
UL FILE NO: E68080

DIMENSIONS: INCHES [MM]
[MM] IS REF. ONLY

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
3M CODES		CHKD	CASTIGLIONE	AUG 05,2014	DATE	DATE
DIVISION	DIVISION CODE	APPR	R. SCHERER	DATE	DATE	DATE
Interconnect Solutions	EMSD	3M	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.		
DO NOT SCALE DRAWING	SCALE 2/1	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	MILLIMETERS				
MAX SURFACE ROUGHNESS	DET SURFACES	INCHES				
MARKED ONLY	ANGLES					
CAGE NUMBER	SIZE	DRAWING NO.	REV.			
D	78-5100-0774-9	K				
MODEL	3000 SERIES	DET	YES	NO	SHT	1 OF 3

.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	

DESIGN REFERENCE	NEXT	ASSEMBLY
ASSEMBLY CODES		
DIVISION	DIVISION CODE	
Interconnect Solutions	EMSD	
DO NOT SCALE DRAWING	SCALE $\frac{4}{1}$	TOLERANCE EXCEPT NOTED
		INCHES
THIRD ANGLE PROJECTION		.00 ± .00 .000 ± .00 .0000 ± .00
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ± .00 0 ± .30 0 ± .10 .000 ± .00
MAX SURFACE ROUGHNESS ☒ DIM. SURFACES ☐ MARKED ONLY		ANGLES

3M 3M Corp.
St. Paul,
MN 55144

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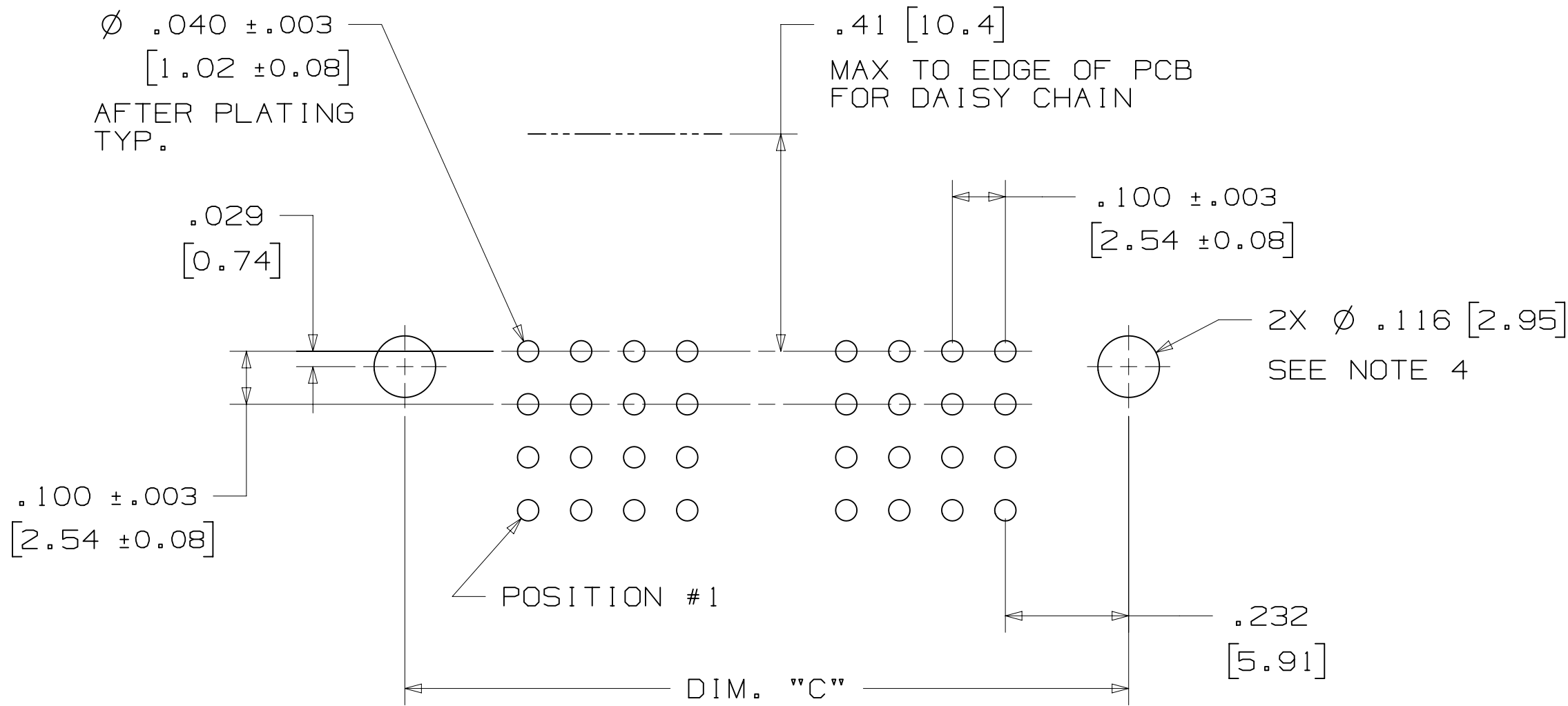
TITLE

HEADER, 4-WALL,
CONDO, .100 X .100
LATCH/EJECTOR, RA

CAGE NUMBER	SIZE D	DRAWING NO. 78-5100-0774-9	REV. K
MODEL 3000 SERIES		DET. LISTS ☐ YES ☒ NO	SHT 2 OF 3

3M™ FOUR-WALL CONDO HEADER, 3000 SERIES

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



RECOMMENDED MOUNTING HOLE PATTERN

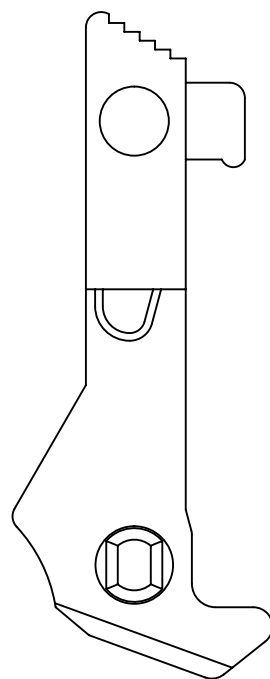
PART CUSTOMIZATION

THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

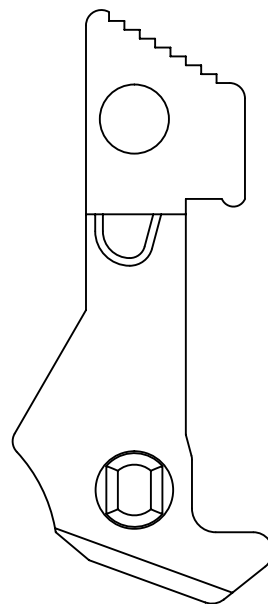
3M HAS SEVERAL CAPABILITIES THAT CAN PROVIDE A PART TAILORED TO YOUR SPECIFIC NEEDS. ASK YOUR 3M SALES REPRESENTATIVE OR CUSTOMER SERVICE FOR MORE DETAILS.

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



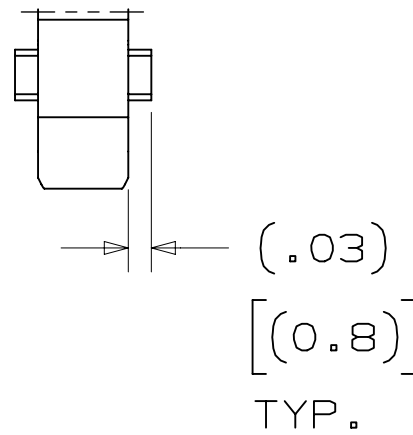
LONG



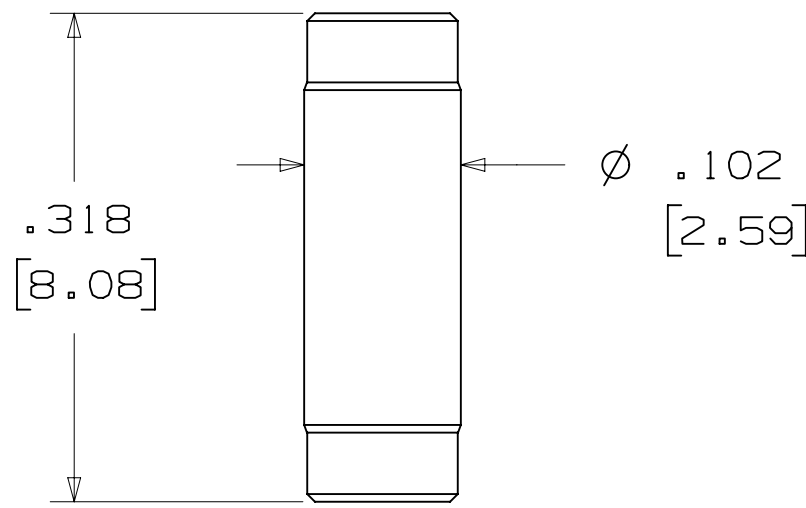
SHORT

SNAP-IN LATCHES

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



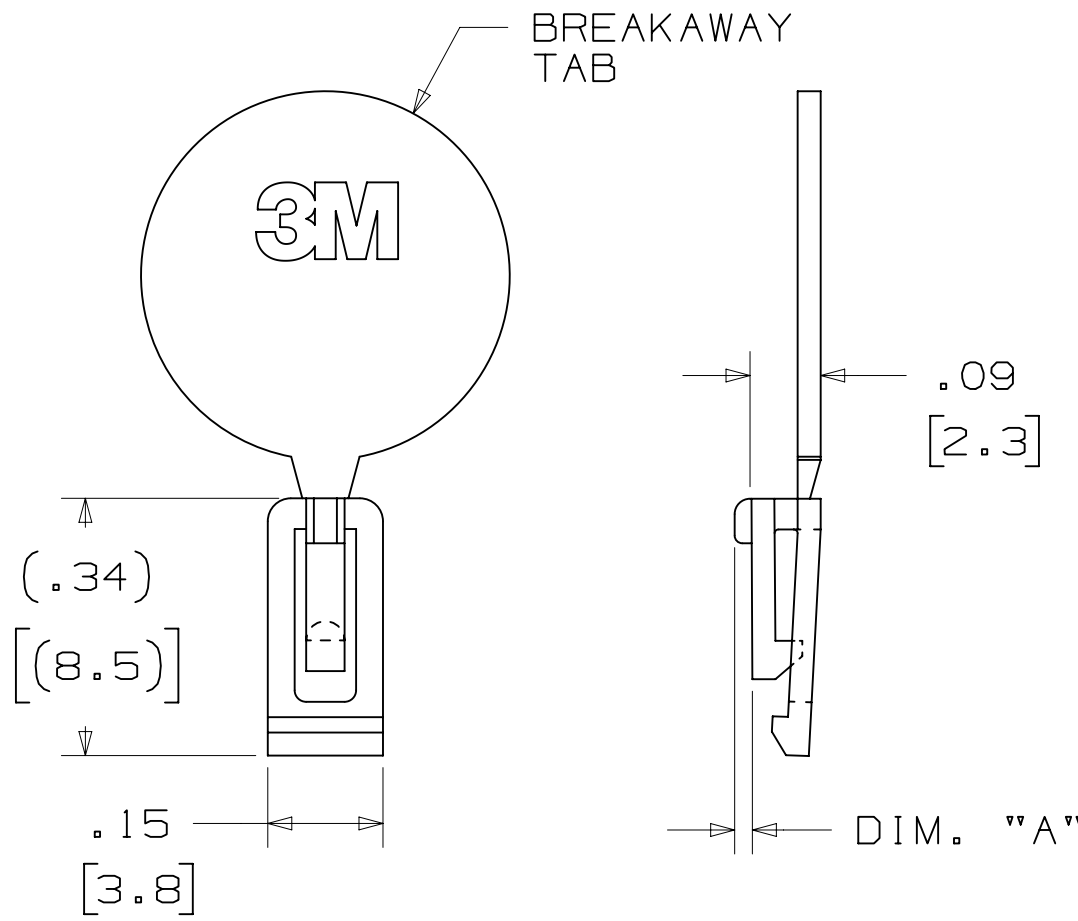
POLARIZING POST



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]

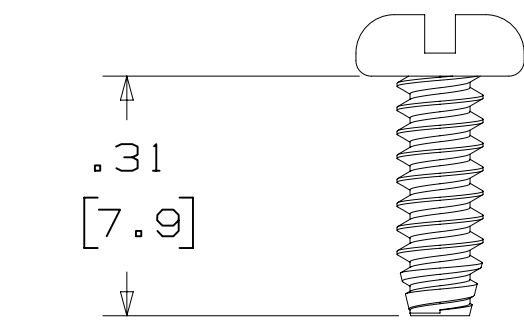
POLARIZING KEY



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

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

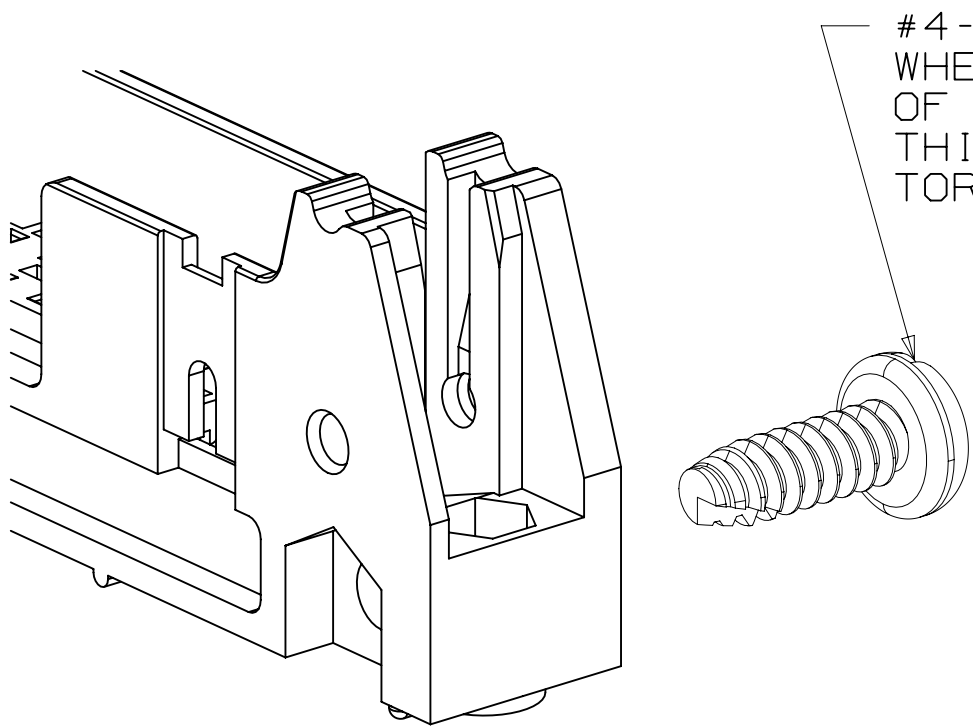
MOUNTING HARDWARE



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



#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
K0000		J0000		ECO	ECO	AUG 05, 2014		DATE	DATE
DIVISION		DIVISION CODE		CHKD	CHKD	AUG 05, 2014		DATE	DATE
Interconnect Solutions		EMSD		R. SCHERER		SEP 05, 2014		DATE	
DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED		INCHES .00 ± .01 .000 ± .005 .0000 ±		MILLIMETERS 0 ± .00 ± .01 .000 ± .005 .000 ±	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		SURFACES		MARKED ONLY	
DIVISION		DIVISION CODE		CAGE NUMBER		DRAWING NO.		REV.	
Interconnect Solutions		EMSD		D78-5100-0774-9		K		REV.	
MODEL		3000 SERIES		LISTS		YES		NO	
								SHT 3 OF 3	