

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



N3XXX-DXXXRB

- PLATING:

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

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

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INSULATOR:
  MATERIAL: HIGH TEMP GLASS FILLED POLYESTER (PCT)
FLAMMABILITY: UL94V-0
  COLOR: BLACK
CONTACT:
  MATERIAL: COPPER ALLOY
  PLATING:
UNDER PLATING: 50μ"-150μ" [ 1.27μm-3.81μm ] NICKEL-OVERALL
  WIPING AREA: 30μ" [ 0.76μm ] AVG. GOLD
  SOLDER TAILS: 200μ" [ 5.08μm ] MIN MATTE TIN
  MARKINGS: 3M LOGO, PART IDENTIFICATION NUMBER AND ORIENTATION TRIANGLE

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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

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, SINGLE PASS)

- * STACKED PINS CONSERVE SPACE ON THE CIRCUIT BOARD ALLOWING HIGHER DENSITY PACKAGING.
- * PIN QUANTITY TO 128 GIVES DESIGN FLEXIBILITY WITH LATCHING.
- * "HDI" ALTERNATIVE.
- * THREE-WALL FITS IN VME BOARD STACKING CRITERIA.
- * 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.

1. REGULATORY INFORMATION:
VISIT 3M.com/regs
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 ACCOMMODATE 3M POLARIZING KEY: N3518.
4. MOUNTING HARDWARE:
FROM SOLDER SIDE OF PC BOARD
USE #4-24 THREAD CUTTING SCREW
(3M PART #3341-5) WITH
Ø .116 [2.95] MOUNTING HOLE.

M	JUN 99	JUN 22,2021	JNC	SAN
L	93619	JAN 06,2021 REMOVED TIN LEAD PLATING	JNC	SAN
K	60056	MAR 06,2015 REVISE ORDERING NUMBER	JNC	RS
J	56068	AUG 05,2014 REVISED AND REDRAWN	JNC	RS
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	CAS7LIGIONE	DATE AUG 05,2014	MFG	DATE
OKWD	DATE	APPROV R. SCHERER	DATE SEP 05,2014	
 3M Center St. Paul, MN 55144 © 2001 3M COPYRIGHT 2021 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or retransmitted other than for 3M authorized purposes. All rights reserved.				
TITLE THREE - WALL CONDO HEADER, .100 X .100 LATCH/EJECT, RA				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
	D	78-5100-0773-1	M	
MODEL	3400	DET. LISTS	☐ YES ☐ NO	SHT 1 OF 4



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

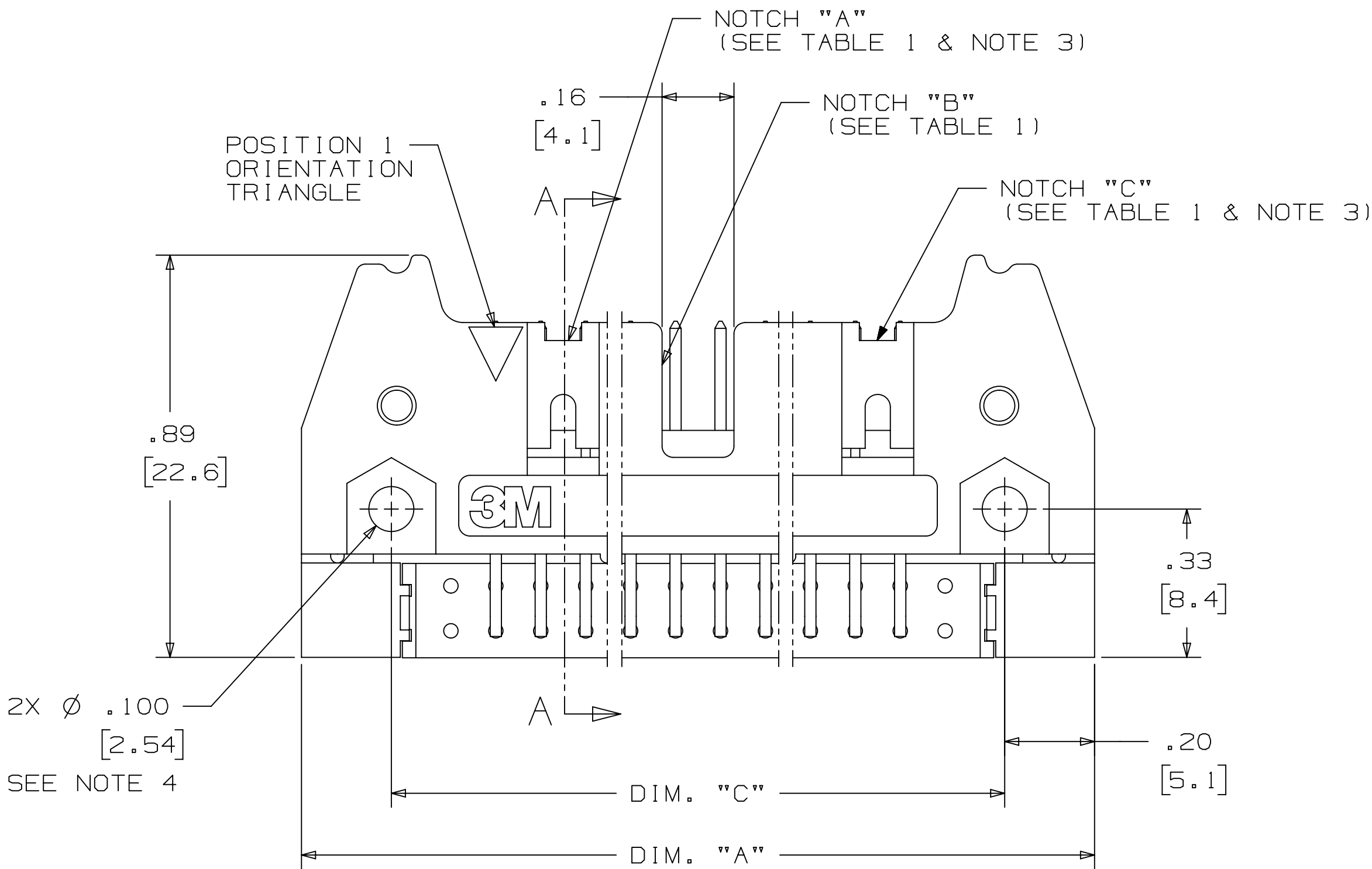
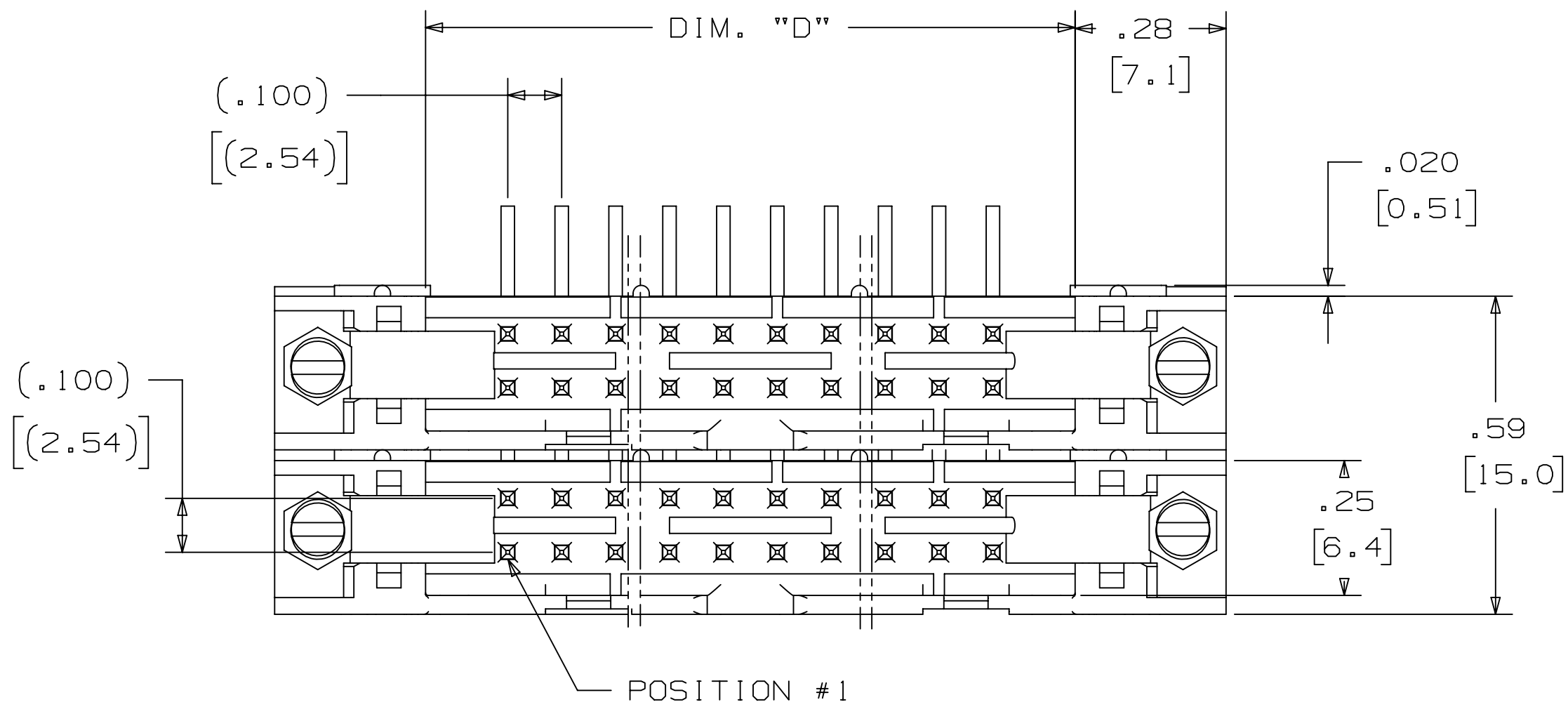
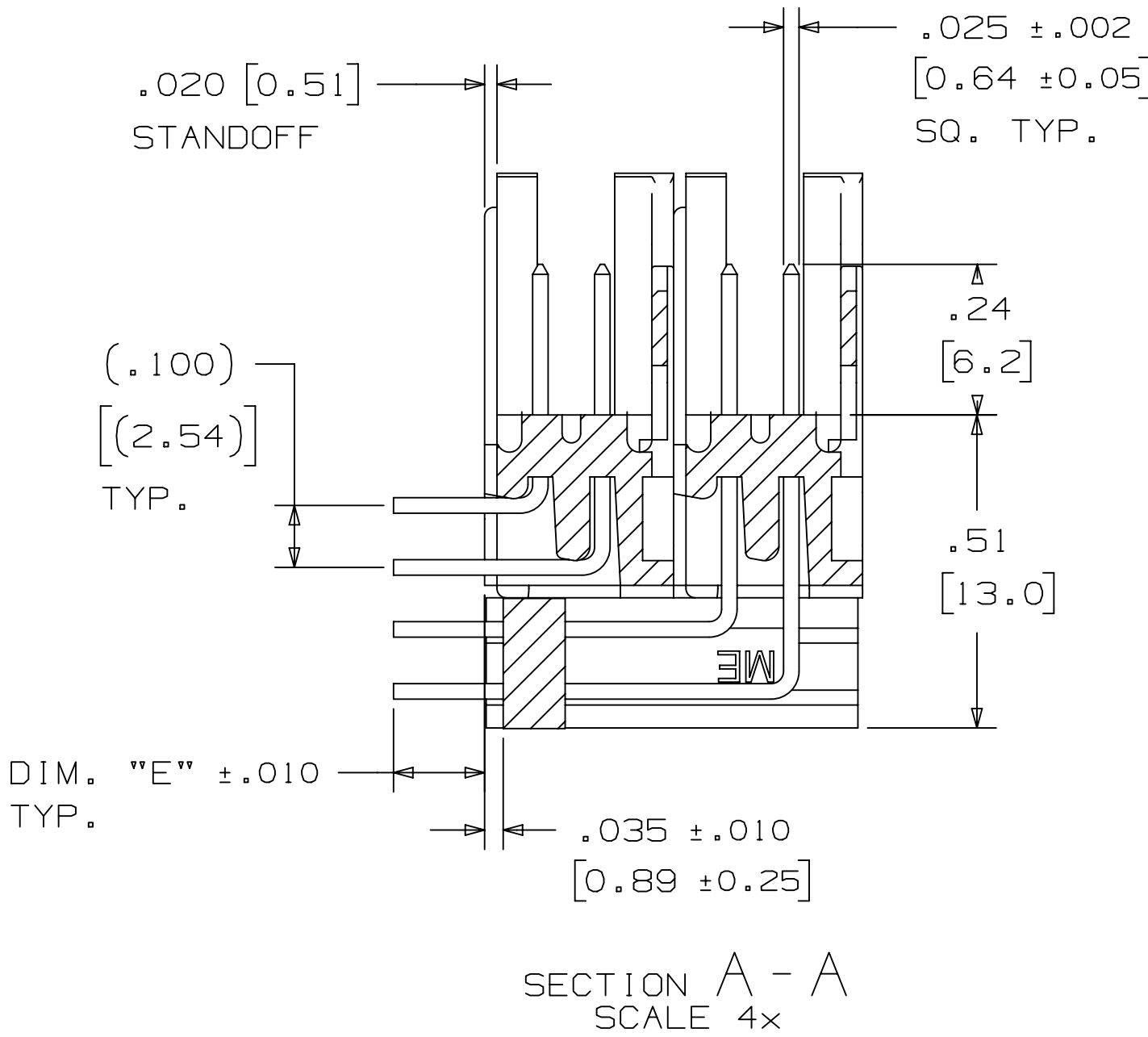


TABLE 1						
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
20	3793	1.26 [32.1]	.865 [21.97]	.71 [18.0]	BC	20
28	3314	1.46 [37.2]	1.065 [27.05]	.91 [23.1]	BC	28
32	3408	1.56 [39.7]	1.165 [29.59]	1.01 [25.6]	ABC	32
40	3428	1.76 [44.8]	1.365 [34.67]	1.21 [30.7]	ABC	40
48	3627	1.96 [49.9]	1.565 [39.75]	1.41 [35.8]	ABC	48
52	3429	2.06 [52.4]	1.665 [42.29]	1.51 [38.3]	ABC	52
60	3440	2.26 [57.5]	1.865 [47.37]	1.71 [43.4]	ABC	60
68	3431	2.46 [62.6]	2.065 [52.45]	1.91 [48.5]	ABC	68
80	3432	2.76 [70.2]	2.365 [60.07]	2.21 [56.1]	ABC	80
100	3433	3.26 [82.9]	2.865 [72.77]	2.71 [68.8]	ABC	100
120	3372	3.76 [95.6]	3.365 [85.47]	3.21 [81.5]	ABC	120
128	3764	3.96 [100.7]	3.565 [90.55]	3.41 [86.6]	ABC	128

TABLE 2		
3M PART NUMBER SUFFIX	CONTACT TAIL	DIM. "E"
-XX02	02	.112 [2.84]
-XX03	03	.155 [3.94]

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

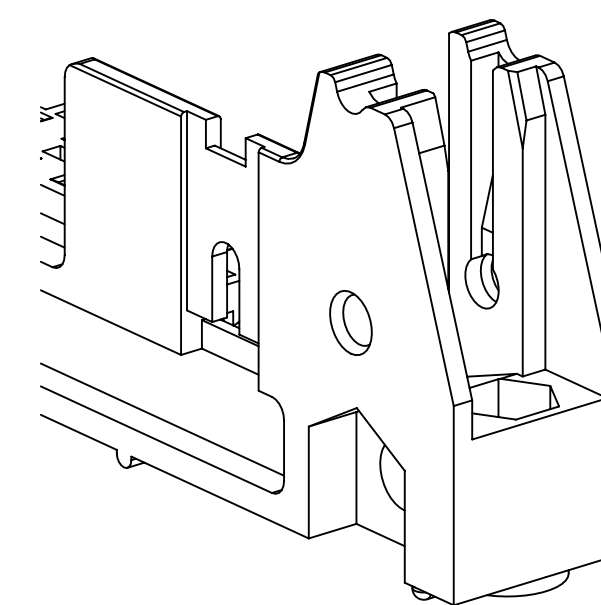
DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	DRFT	CASTIGLIONE	DATE AUG 05,2014	MFG	DATE
Division	Interconnect Solutions	Division Code	EMSD	APPR	R. SCHERER	DATE SEP 05,2014
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	MILLIMETERS 0 ±2				
MAX. SURFACE ROUGHNESS	ALL SURFACES	INCHES .00 ±.01				
MARKED ONLY		MILLIMETERS .00 ±.13				
		INCHES .0000 ±.0002				
		MILLIMETERS .00 ±.3				
		INCHES .0000 ±.0005				
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		MILLIMETERS .000 ±.005				
		INCHES .0000 ±.0002				
		MILLIMETERS .00 ±.3				

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



(INSTALL FROM BOTTOM OF BOARD)
SEE NOTE 4

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.

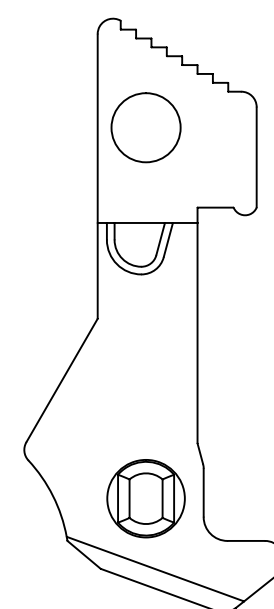
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

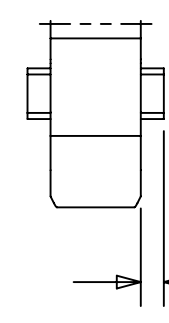
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

Technical drawing of a mechanical part, likely a bracket or support, showing a side view. The part features a circular hole and a rectangular cutout.

LONG



SHORT



- (.03)
[(0.8)]
TYP.

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

Technical drawing of a vertical shaft. The total height is dimensioned as $.318$ [8.08]. The diameter is dimensioned as $\varnothing .102$ [2.59].

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

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

Technical drawing of a 3M 3518 adhesive tape. The drawing includes a top view and a side view.

Top View:

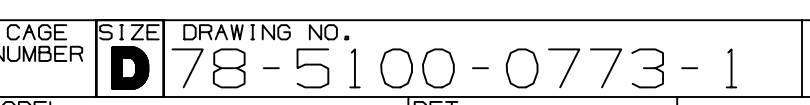
- The adhesive tape is circular, labeled "3M 3518".
- A "BREAKAWAY TAB" is indicated by a line pointing to the edge of the tape.
- The diameter of the tape is dimensioned as $(.34)$ and $[(8.5)]$.
- The thickness of the tape is dimensioned as $.15$ and $[3.8]$.

Side View:

- The side view shows the profile of the tape.
- The thickness of the tape is dimensioned as $.09$ and $[2.2]$.
- The length of the tape is dimensioned as "DIM. 'A'".

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

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

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACROSS CODES				DRFT	CASTIGLIONE	DATE AUG 05, 2014		DRFT	
				CHKD		DATE		DATE	
						APPRV R. SCHERER		DATE	SEP 05, 2014
DIVISION				DIVISION CODE		© 3M COPYRIGHT 2021			
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		 3M Center St. Paul, MN 55144			
				INCHES		TITLE			
THIRD ANGLE PROJECTION				.00 ±.1 .00 ±.01 .0000 ±.005 .0000 ±.0002		THREE - WALL CONDO HEADER, 100 X 100 LATCH/EJECT, RA			
INTERPRET PER ASME Y14.5 - 2018				MILLIMETERS					
MAX SURFACE ROUGHNESS				.0 ±.3 .00 ±.13 .000 ±.005		CAGE NUMBER		REV.	
☐ ALL SURFACES ☒ MARKED ONLY				ANGLES		SIZE DRAWING NO.		REV.	
						D 5100-0773-1		M	
				MODEL		DET.		LISTS PLYS NO SHT 3 OF	
				3400					

3M™ THREE-WALL CONDO HEADER, 3000 SERIES

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

Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

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3M Company
Electronics Materials Solutions Division
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Austin, TX 78753-5380
1-800-225-5373
www.3M.com/interconnect

M	97909	JUN 22,2021	JNC	SAN
L	93619	JAN 06,2021	JNC	SAN
K	60056	MAR 06,2015	JNC	RS
J	56068	AUG 05,2014	JNC	RS
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	CATTIGLIONE	DATE AUG 05,2014	MFG	DATE
CHKD		DATE	APPRV	DATE
			R. SCHERER	SEP 05,2014

DIVISION	Interconnect Solutions	DIVISION CODE	EMSD
DO NOT SCALE DRAWING	SCALE 4 1	TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002	
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ±2 .0 ±.3 .00 ±.13 .000 ±.005	
MAX SURFACE ROUGHNESS		ALL SURFACES	
MARKED ONLY		ANGLES	

TITLE	THREE-WALL CONDO HEADER, .100 X .100 LATCH/EJECT, RA
CAGE NUMBER	78-5100-0773-1
SIZE	
DRAWING NO.	
REV.	M
MODEL	3400
DET	YES
NO	
SHT 4 OF 4	