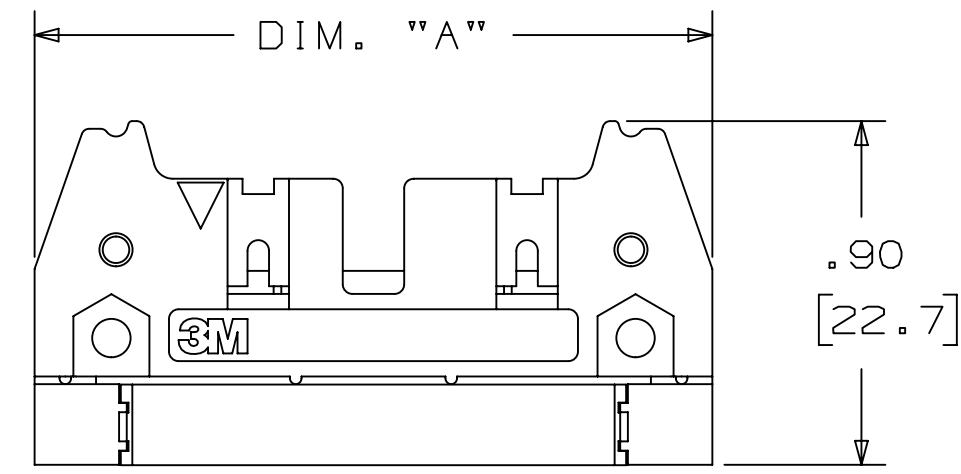
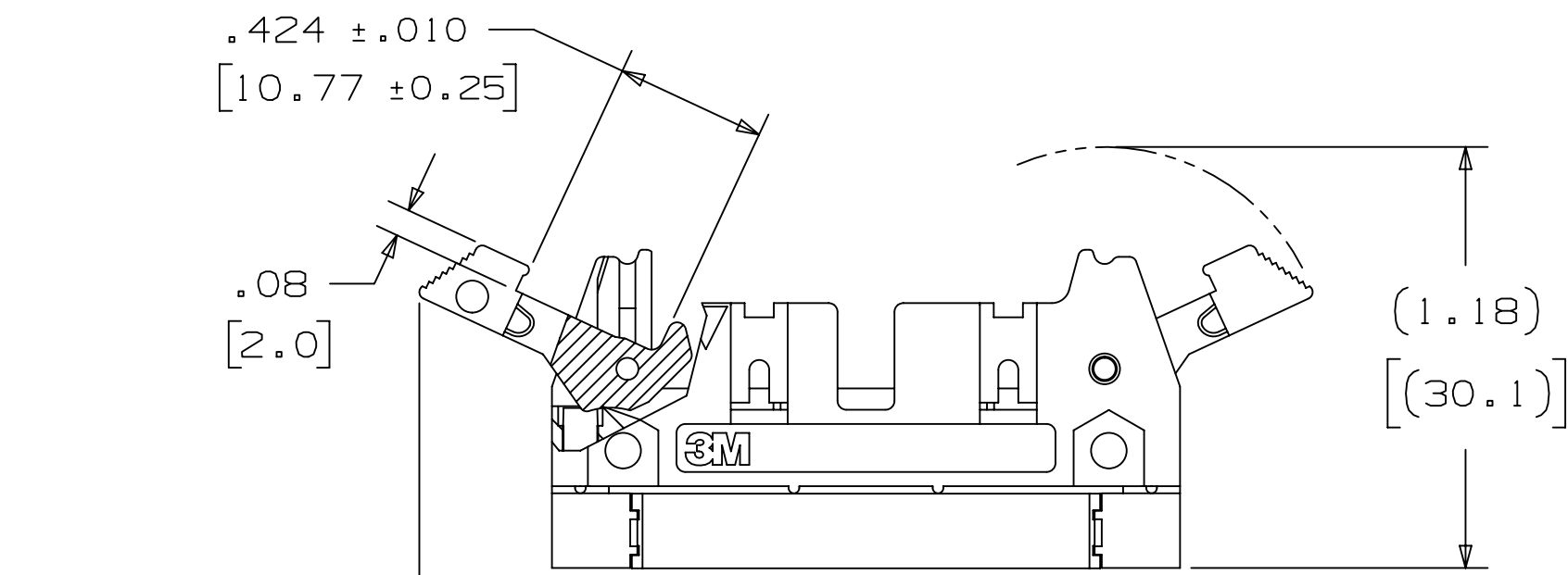


3M™ THREE-WALL CONDO HEADER, 3000 SERIES

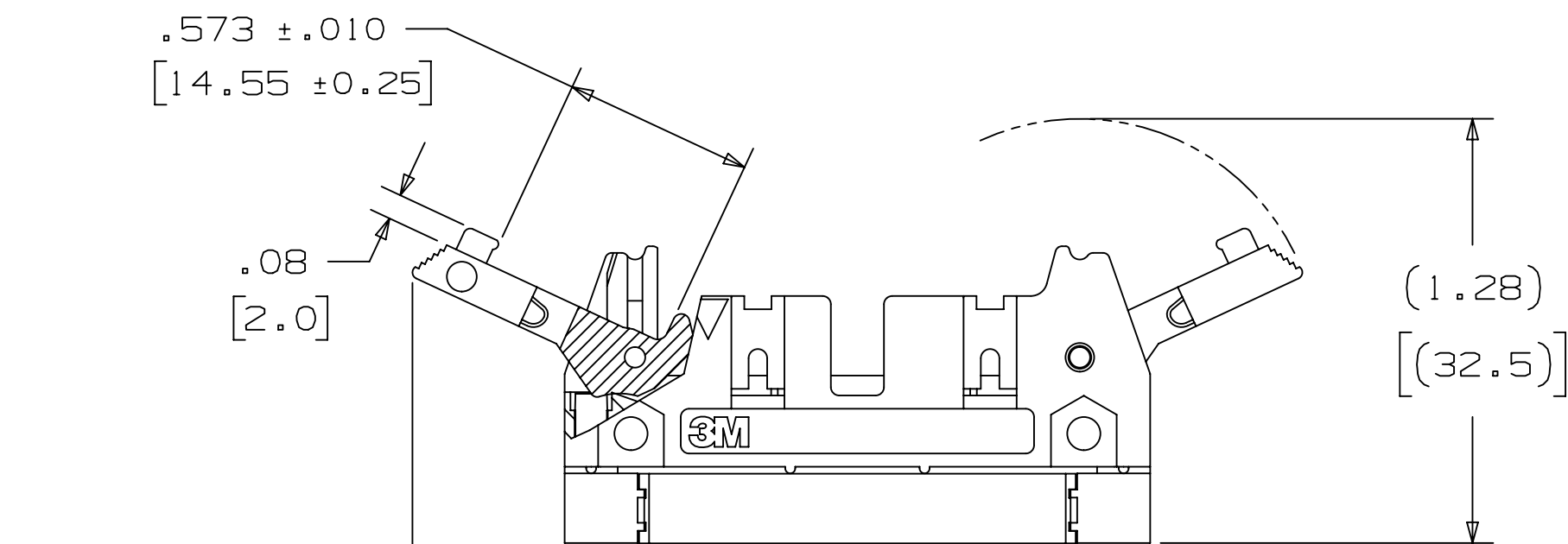
.100" X .100" LATCH/EJECTOR, RIGHT ANGLE



-D00X
HEADER WITHOUT LATCH/EJECTOR



-D20X
HEADER WITH SHORT LATCH/EJECTOR
FOR 3M SOCKETS WITHOUT STRAIN RELIEF



-D30X
HEADER WITH LONG LATCH/EJECTOR
FOR 3M SOCKETS WITH STRAIN RELIEF

- * 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.

- NOTES
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 ACCOMODATE 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.

2 PHYSICAL :

INSULATOR: HIGH TEMP GLASS FILLED POLYESTER (PCT)
 MATERIAL: UL94V-0
 FLAMMABILITY: BLACK
 COLOR: COPPER ALLOY
 CONTACT: PLATING: 50µ" - 150µ" [1.27µm - 3.81µm] NICKEL-OVERALL
 UNDER PLATING: 30µ" [0.76µm] AVG. GOLD
 WIPING AREA: 200µ" [5.08µm] MIN MATTE TIN
 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, SINGLE PASS)

ORDERING INFORMATION

N3XXX-DXXXRB

3M PART NUMBER: (SEE TABLE 1) PLATING:

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

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

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 INTERCONNECT SOLUTIONS
<http://www.3M.com/interconnect>

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3M
 UL FILE NO: E68080

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
		M	97909	JUN 22,2021 REVISED DIM'S AND NOTES	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	CASTIGLIONE	DATE AUG 05,2014	MFG	DATE
		CHKD		DATE	APPV	DATE
					R. SCHERER	SEP 05,2014
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DO NOT SCALE DRAWING	SCALE 2/1	TOLERANCES EXCEPT AS NOTED		TITLE THREE-WALL CONDO HEADER, .100 X .100 LATCH/EJECT, RA		
THIRD ANGLE PROJECTION		INCHES		CAGE NUMBER D78-5100-0773-1		
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS		DRAWING NO. D78-5100-0773-1		
MAX SURFACE ROUGHNESS		0 ± 2		MODEL 3400		
ALL SURFACES		0 ± .13		DET [] YES [X] NO SHT 1 OF 4		
MARKED ONLY		0 ± .005				
		ANGLES				

3M™ THREE-WALL CONDO HEADER, 3000 SERIES

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

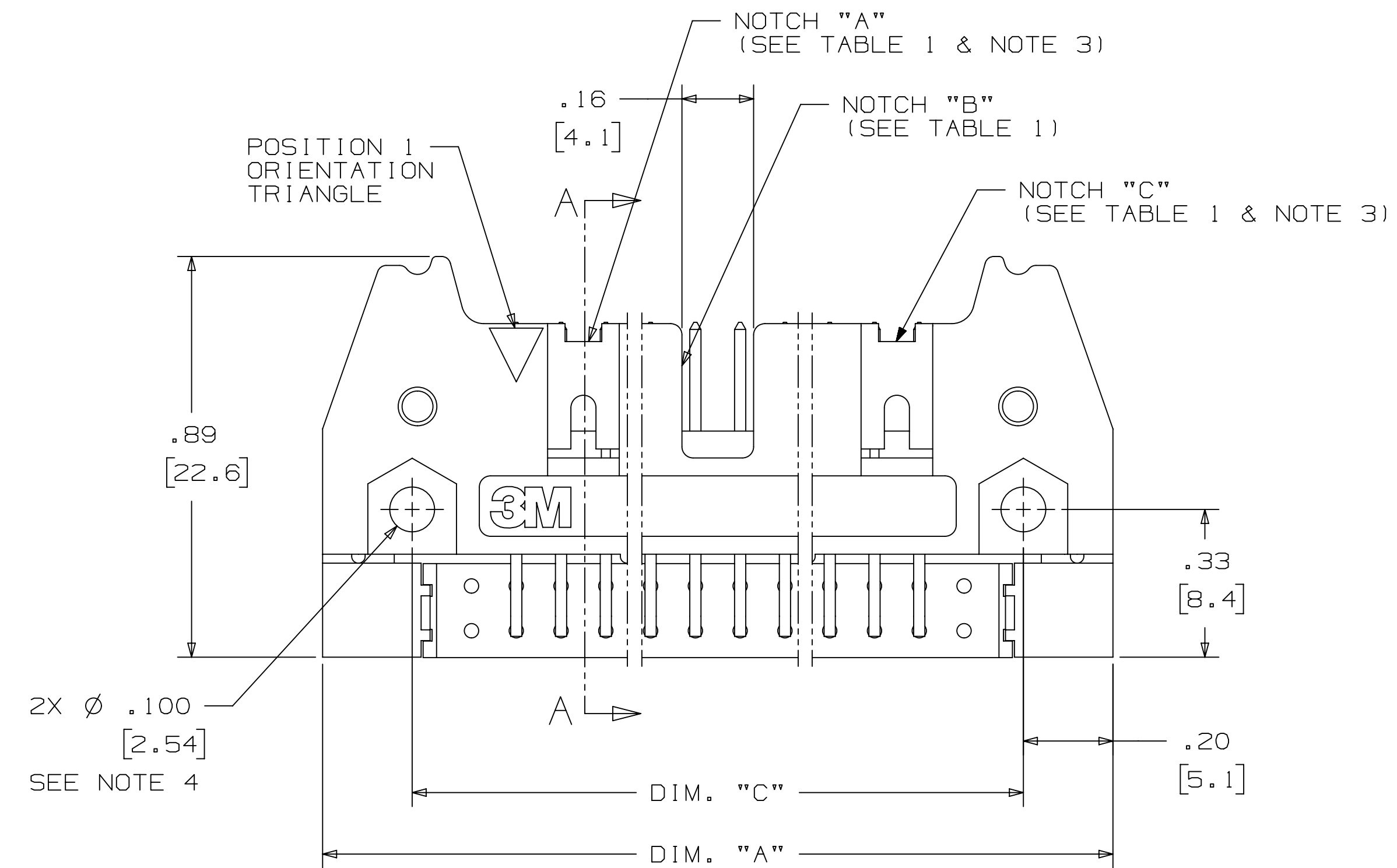
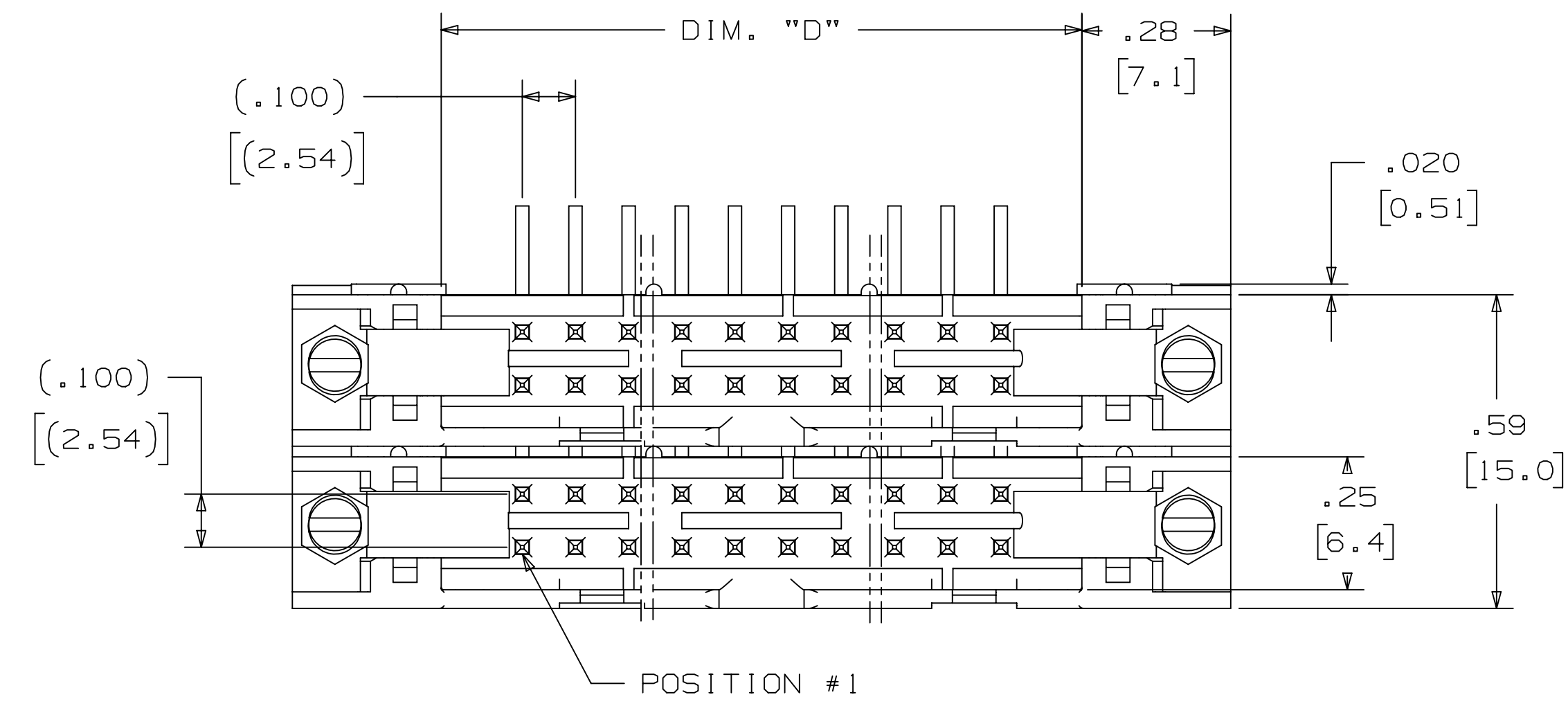
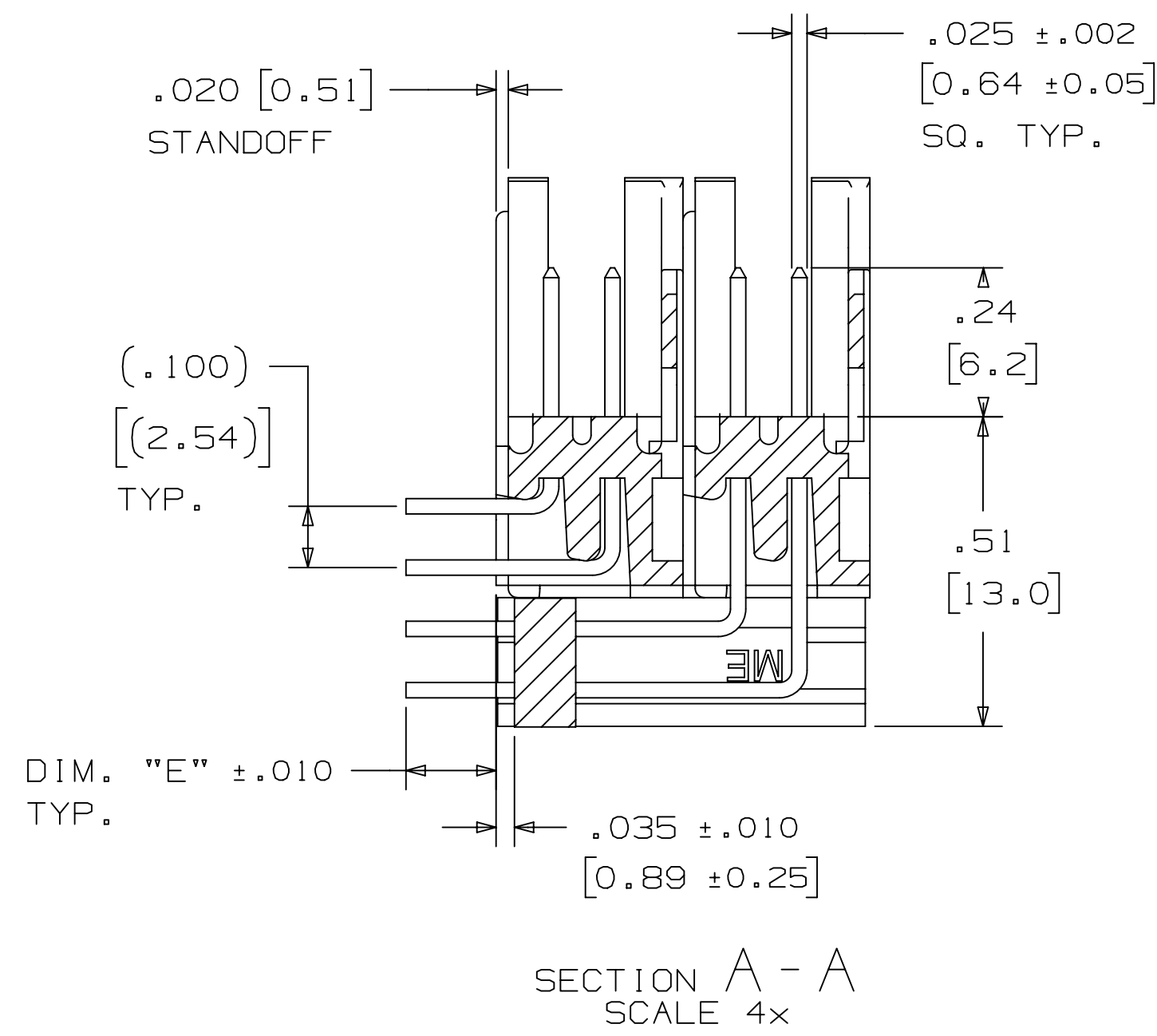


TABLE 1						
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
20	3793	1.26 [32.1]	.865 [21.97]	.71 [18.0]	BC	20
28	3314	1.46 [37.2]	1.065 [27.05]	.91 [23.1]	BC	28
32	3408	1.56 [39.7]	1.165 [29.59]	1.01 [25.6]	ABC	32
40	3428	1.76 [44.8]	1.365 [34.67]	1.21 [30.7]	ABC	40
48	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.

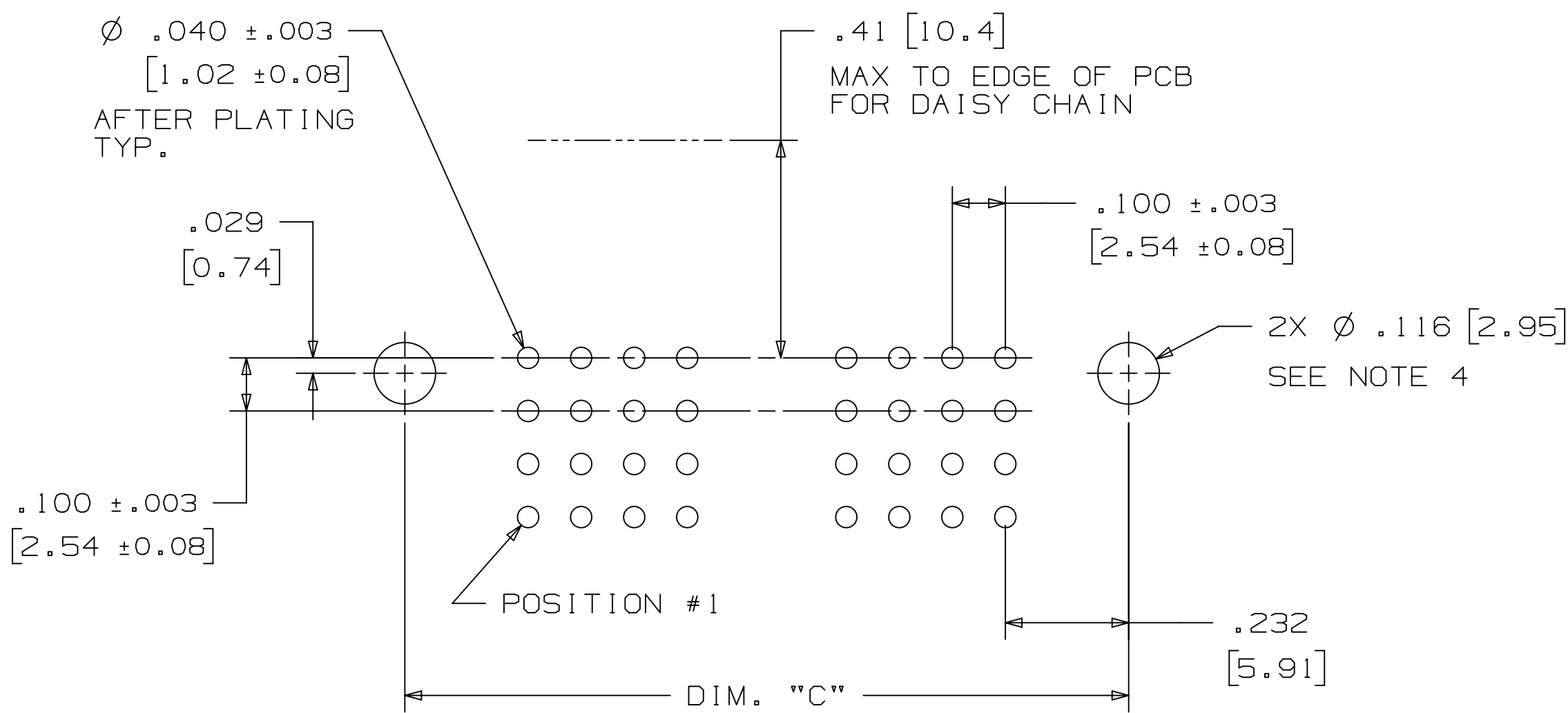
DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
		DRFT	CASTIGLIONE	DATE	AUG 05, 2014	MFG
		CHKD		DATE	SEP 05, 2014	APPV
				DATE		R. SCHERER
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DO NOT SCALE DRAWING	SCALE 4-1	TOLERANCES EXCEPT AS NOTED		TITLE THREE-WALL CONDO HEADER, .100 X .100 LATCH/EJECT, RA		
THIRD ANGLE PROJECTION		INCHES	.0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002	CAGE NUMBER D 78-5100-0773-1		
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS	0 ±2 0 ±.3 .00 ±.13 .000 ±.005	DRAWING NO. 78-5100-0773-1		
MAX SURFACE ROUGHNESS		ANGLES		MODEL 3400		
MARKED ONLY				DET [] YES [X] NO [] SHT 2 OF 4		

M	97909	JUN 22, 2021	JNC	SAN
		REVISED DIM'S AND NOTES		
L	93619	JAN 06, 2021	JNC	SAN
		REMOVED TIN LEAD PLATING		
K	60056	MAR 06, 2015	JNC	RS
		REVISE ORDERING NUMBER		
J	56068	AUG 05, 2014	JNC	RS
		REVISED AND REDRAWN		

78-5100-0773-1 M revision DRAWING NUMBER

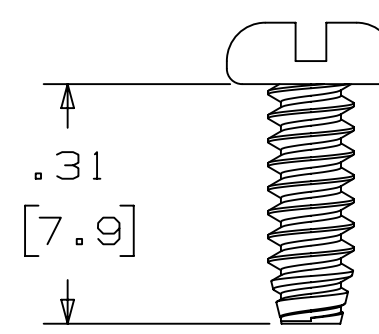
3M™ THREE-WALL CONDO HEADER, 3000 SERIES

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



RECOMMENDED MOUNTING HOLE PATTERN

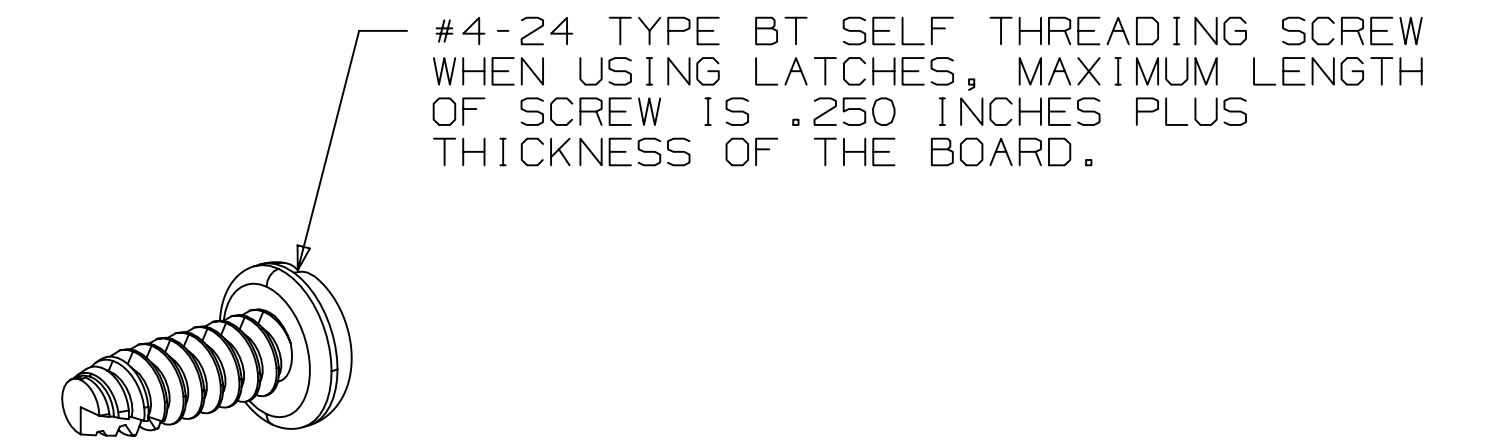
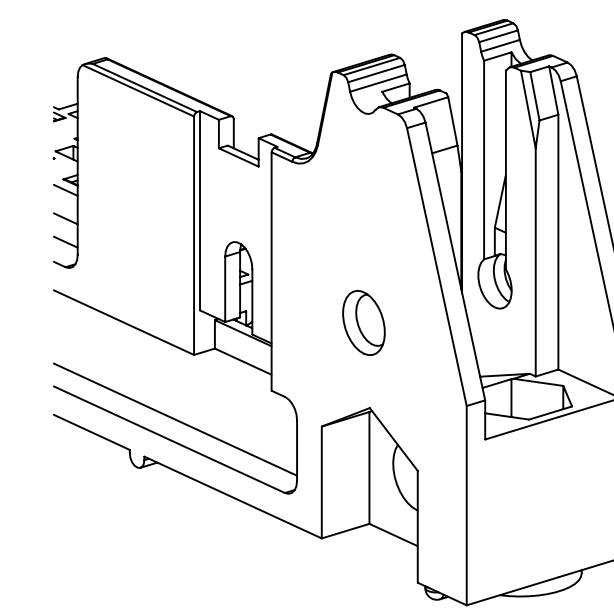
MOUNTING HARDWARE



3341-5

(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.

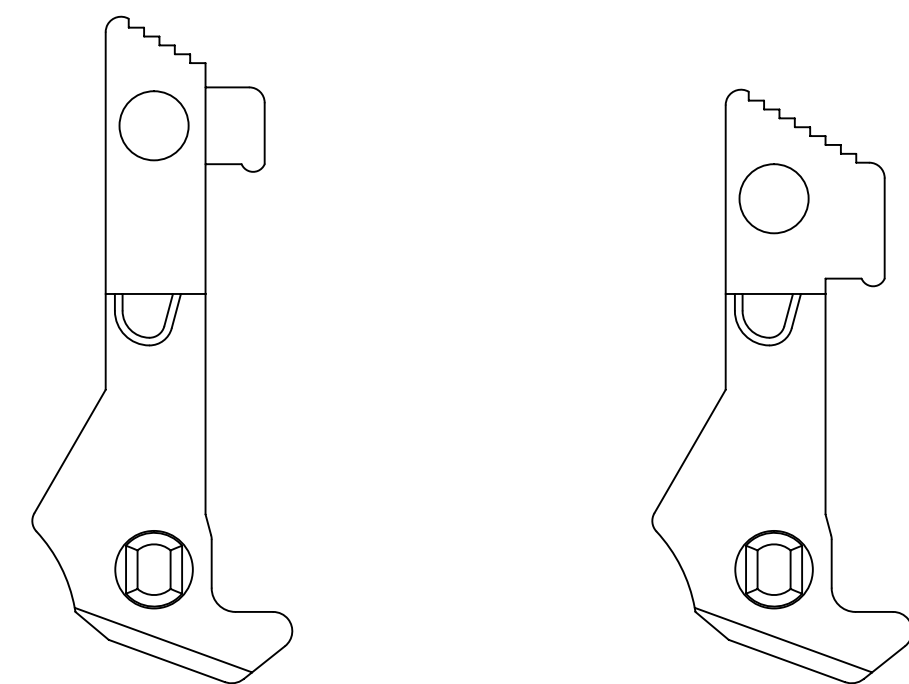
PART CUSTOMIZATION

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

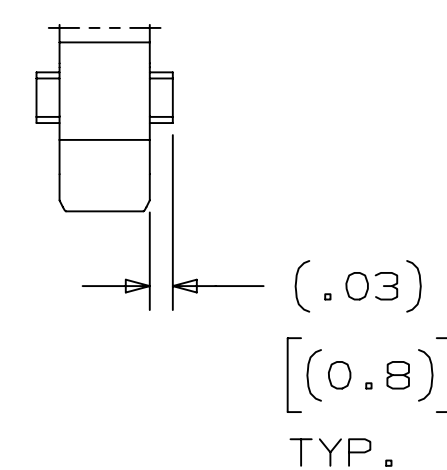


LONG

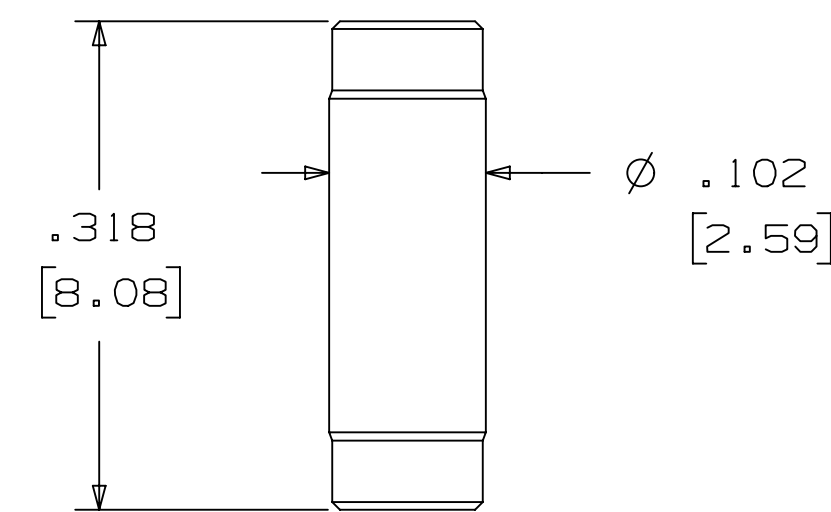
SHORT

SNAP-IN LATCHES

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



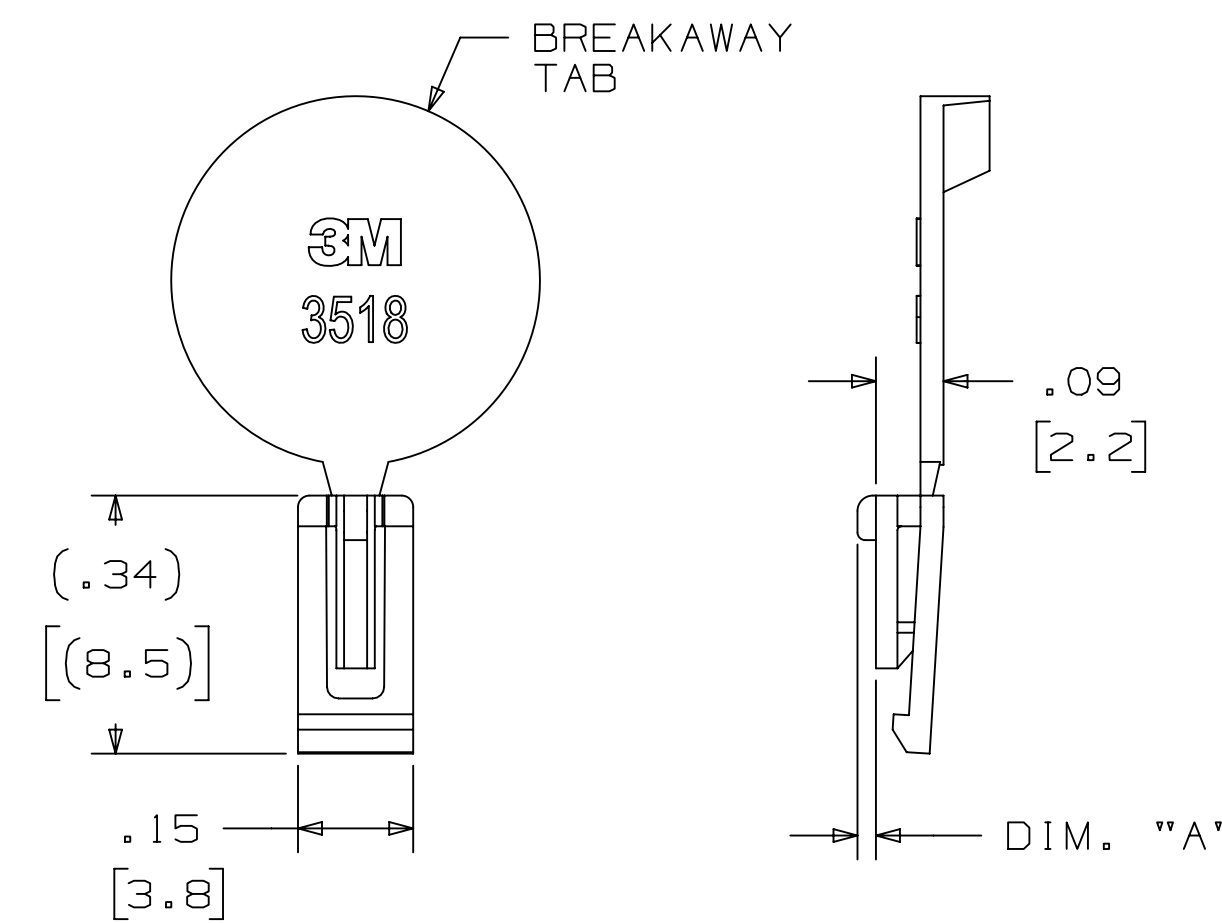
POLARIZING POST



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.

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THIRD ANGLE PROJECTION		INCHES .0 ± .1 .00 ± .01 .000 ± .005 .0000 ± .0002		MODEL NUMBER D78-5100-0773-1 M		
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ± 2 .0 ± .3 .00 ± .13 .000 ± .005		CAGE NUMBER 3400		
MAX SURFACE ROUGHNESS		ALL SURFACES MARKED ONLY		DET I/STs YES NO SHT 3 OF 4		

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

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				DATE	SEP 05, 2014	R. SCHERER
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THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	INCHES .00 ± .01 .0000 ± .0005 .0000 ± .0002	MILLIMETERS 0 ± 2	CAGE NUMBER	D78-5100-0773-1	REV. M
MAX SURFACE ROUGHNESS	MARKED ONLY	INCHES .00 ± .13 .000 ± .005	ANGLES	MODEL	3400	DET. [] YES [X] NO SHT 4 OF 4

78-5100-0773-1 M Revision