

.100" X .100" LOW PROFILE, SURFACE MOUNT, STRAIGHT AND RIGHT ANGLE THROUGH-HOLE



- * LOW PROFILE, SPACE SAVING DESIGN.
- * CENTER SLOT POLARIZATION PREVENTS MIS-INSERTIONS AND REDUCES INSERTION TIME.
- * DUAL SLOT POLARIZATION MEANS BROADER COMPATIBILITY WITH COMPETITIVE POLARIZATION DESIGNS (NOT AVAILABLE ON 6, 8 OR 10 POSITIONS).
- * OPTIONAL RETAINER CLIP FOR LOCKING SOCKETS IN PLACE AND INCREASING CONNECTION RELIABILITY IN VIBRATION-PRONE ENVIRONMENTS.
- * HIGH TEMPERATURE INSULATOR SUITABLE FOR "NO LEAD" SOLDERING OPERATIONS.
- * THROUGH HOLE VERSION SUITABLE FOR REFLOW SOLDERING USING "PASTE IN HOLE" TECHNIQUES.
- * EXPOSED SOLDER TAILS (ON RIGHT ANGLE VERSION) PROVIDE EASE OF CLEANING AND REDUCED REPAIR COST.
- * STRAIGHT SURFACE MOUNT VERSION AVAILABLE.

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INSULATOR:
  MATERIAL: HIGH TEMPERATURE GLASS FILLED POLYESTER (PCT)
FLAMMABILITY: UL94V-0
  COLOR: BLACK
CONTACT:
  MATERIAL: COPPER ALLOY
  PLATING:
UNDER PLATING: NICKEL UNDERPLATE (SEE ORDERING INFORMATION)
  WIPING AREA: GOLD (SEE ORDERING INFORMATION)
  SOLDER TAILS: MATTE TIN (SEE ORDERING INFORMATION)
  MARKINGS: 3M LOGO, PART IDENTIFICATION NUMBER AND ORIENTATION TRIANGLE

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CURRENT RATING: 5.00A, 1 CONTACT POWERED
3.00A, 6 CONTACTS POWERED
1.75A, ALL CONTACTS POWERED
RATING CONDITIONS: EIA-364-070 METHOD 2, 30°C MAXIMUM
TEMPERATURE RISE, 20% DERATED. REFERENCE APPROPRIATE
3M PRODUCT SPECIFICATION FOR DETAILED CURRENT DERATING
CURVES.
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)

	NOTES
1.	REGULATORY INFORMATION: VISIT 3M.com/regs
2	IN THE EVENT OF CONFLICT CONTAINED 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	CONTACT TAILS .0245 [.622] WIRE WITH .0075 [.191] CORNER RADI AND .028 [.072] DIAGONAL.
5	SOLDER STANDOFFS FACILITATE .01 [.3] CLEARANCE ABOVE BOARD FOR REFLOW SOLDERING.

P	89702	JUL 08,2020		JNC	SN
		REVISE DRAWING PER NEW HEADER MODEL			
N	68908	AUG 02,2016		JNC	SC
		REVISE DIM ON SHT2 & CLIP CHART ON SHT5			
M	56068	AUG 11,2014		JNC	RS
		REVISED AND REDRAWN			
REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DRFT CASTIGLIONE		DATE AUG 11,2014	MRG	DATE	
CHKD		DATE	APPRV R. SCHERER	DATE SEP 05,2014	
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TITLE					
HEADER , 4-WALL , LO-PRO , 100 X 100 , SMT , STRAIGHT & RA					
CAGE NUMBER		DRAWING NO.			REV.
D		78-5100-0770-7			P
MODEL 2500 SERIES					
		DET. LISTS		☐ YES ☒ NO	
		SHT		1 OF 6	

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INFORMATION CALL 800-225-5373

cUL[®] US
UL FILE NO: E68080

DESIGN REFERENCE				NEXT ASSEMBLY				REV		ECO		ISSUE DATE AND DESCRIPTION				DRAFT		CHKD							
ADDENDUM								DRAFT		CASTIGLIONE		AUG 11, 2014		MFO		DATE									
								CHKD				DATE		APPROV. R. SCHERER		DATE SEP 05, 2014									
DIVISION								DIVISION CODE								© 3M COPYRIGHT 2020									
Interconnect Solutions								EMSD								3M Center		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 1 1				TOLERANCES EXCEPT AS NOTED				3M St. Paul, MN 55144													
								INCHES				TITLE				HEADER, 4-WALL, LO-PRO, .100 X .100, SMT, STRAIGHT & RA									
THIRD ANGLE PROJECTION								.00 ± .1 .00 ± .01 .000 ± .005 .0000 ± .0002																	
INTERPRET PER ASME Y14.5 - 2018								MILLIMETERS				CAGE NUMBER													
MAX SURFACE ROUGHNESS								.00 ± .3 .00 ± .13 .000 ± .005				SIZE				DRAWING NO.				REV.					
MAX SURFACES								ANGLES				D				D78-5100-0770-7				P					
☒ MARKED ONLY												MODEL				DET. LISTS ☐ YES ☒ NO				SHT 1 OF 6					
												2500 SERIES													

3M™ FOUR-WALL HEADER, 2500 SERIES
.100" X .100" LOW PROFILE, SURFACE MOUNT, STRAIGHT AND RIGHT ANGLE THROUGH-HOLE

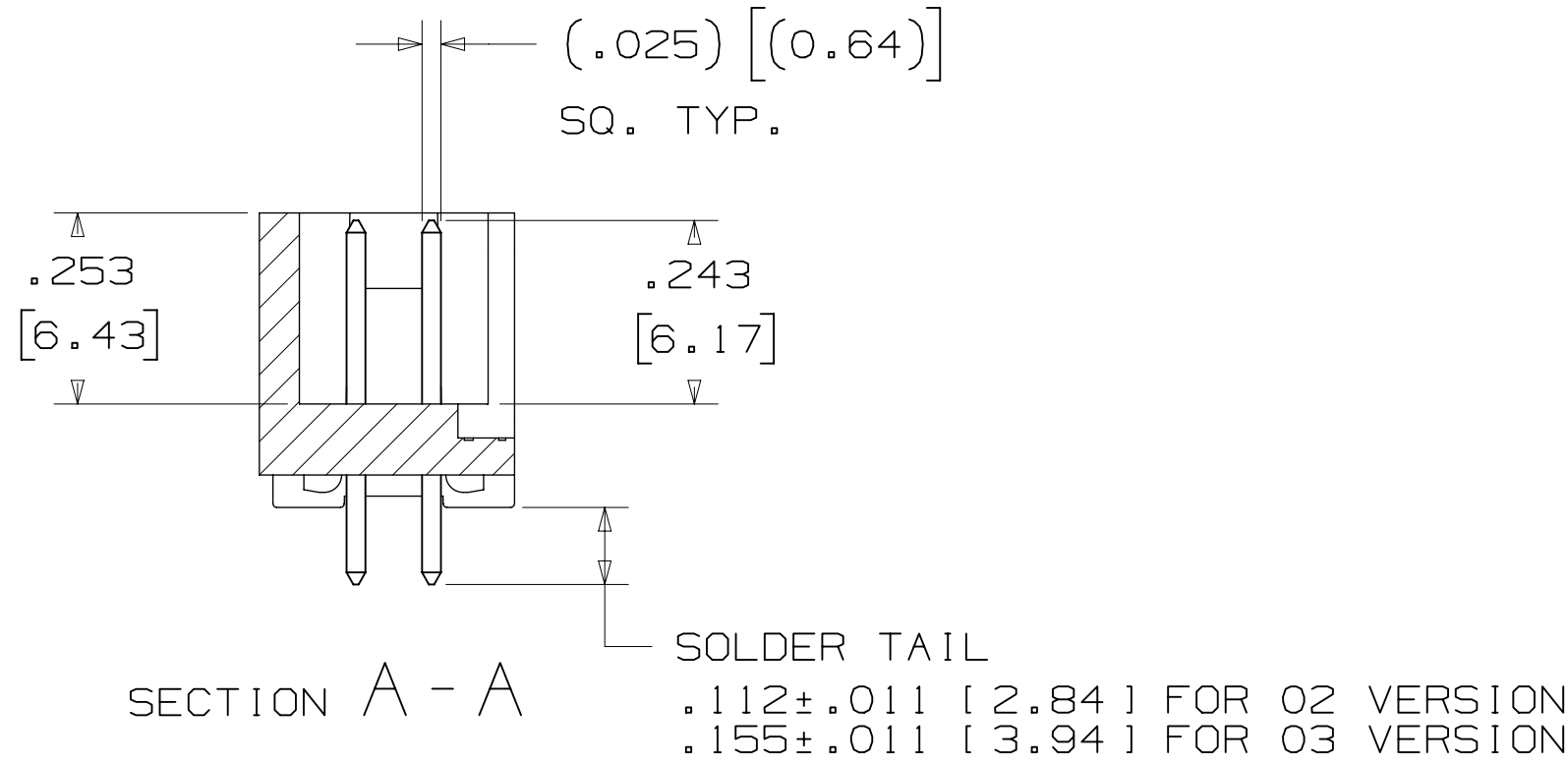


TABLE 1					
PIN QTY.	DIM. "A"	DIM. "B"	DIM. "C"	POLARIZING NOTCHES	PIN QTY.
06	.588 [14.94]	.508 [12.90]	.200 [5.08]	B	06
08	.688 [17.48]	.608 [15.44]	.300 [7.62]	B	08
10	.788 [20.02]	.708 [17.98]	.400 [10.16]	BC	10
14	.988 [25.10]	.908 [23.06]	.600 [15.24]	BCDE	14
16	1.088 [27.64]	1.008 [25.60]	.700 [17.78]	ABCDE	16
20	1.288 [32.72]	1.208 [30.68]	.900 [22.86]	ABCDE	20
24	1.488 [37.80]	1.408 [35.76]	1.100 [27.94]	ABCDE	24
26	1.588 [40.34]	1.508 [38.30]	1.200 [30.48]	ABCDE	26
30	1.788 [45.42]	1.708 [43.38]	1.400 [35.56]	ABCDE	30
34	1.988 [50.50]	1.908 [48.46]	1.600 [40.64]	ABCDE	34
36	2.088 [53.04]	2.008 [51.00]	1.700 [43.18]	ABCDE	36
40	2.288 [58.12]	2.208 [56.08]	1.900 [48.26]	ABCDE	40
50	2.788 [70.82]	2.708 [68.78]	2.400 [60.96]	ABCDE	50
60	3.288 [83.52]	3.208 [81.48]	2.900 [73.66]	ABCDE	60
64	3.488 [88.60]	3.408 [86.56]	3.100 [78.74]	ABCDE	64

ORDERING INFORMATION
STRAIGHT VERSION

X25XX-60XX-XX

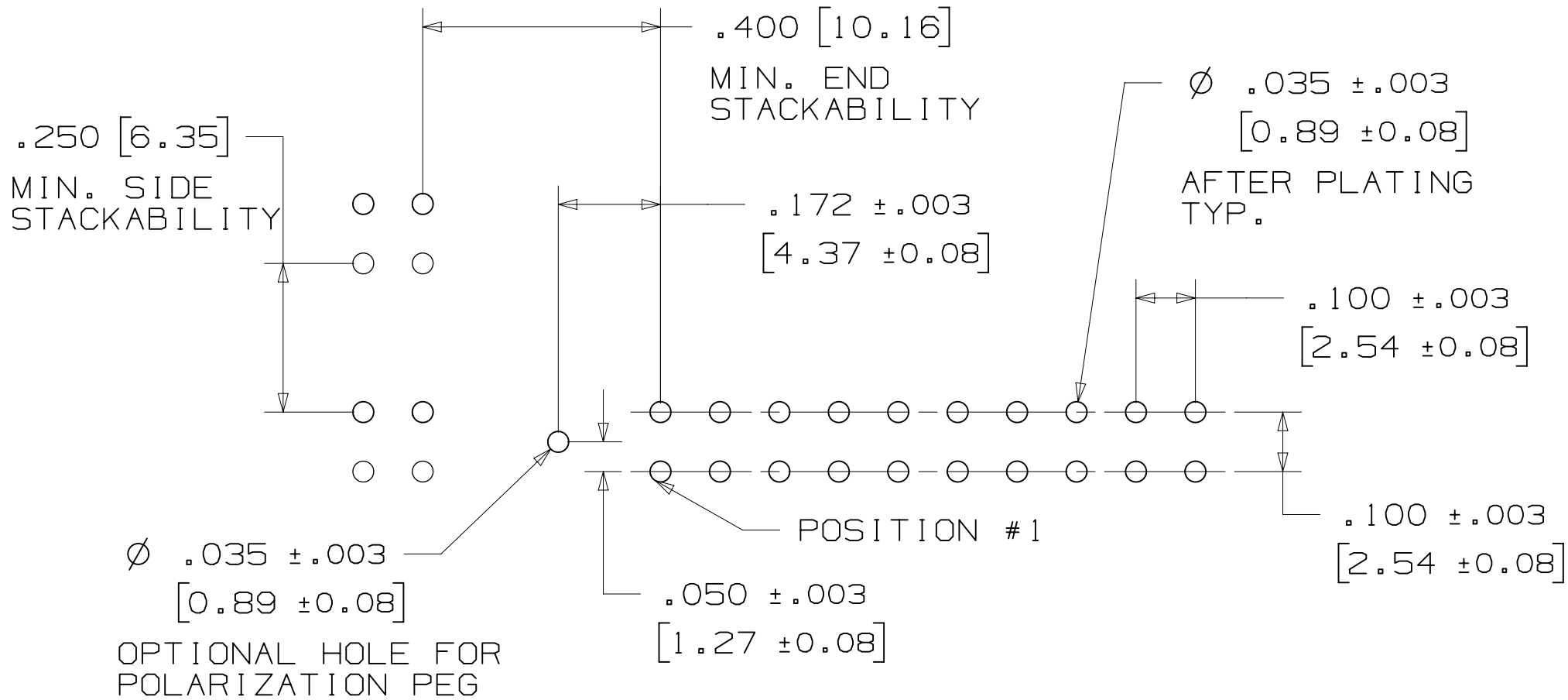
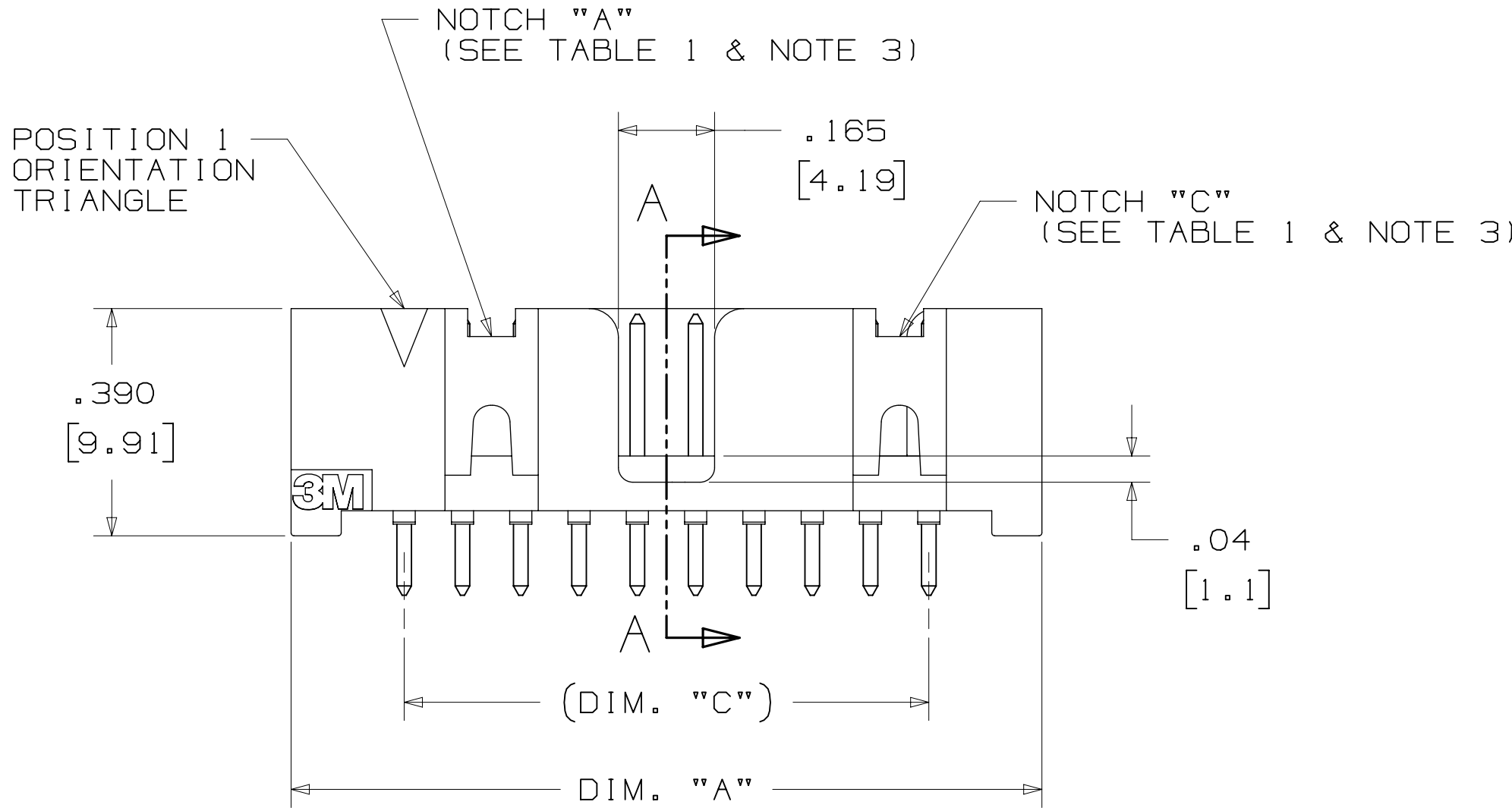
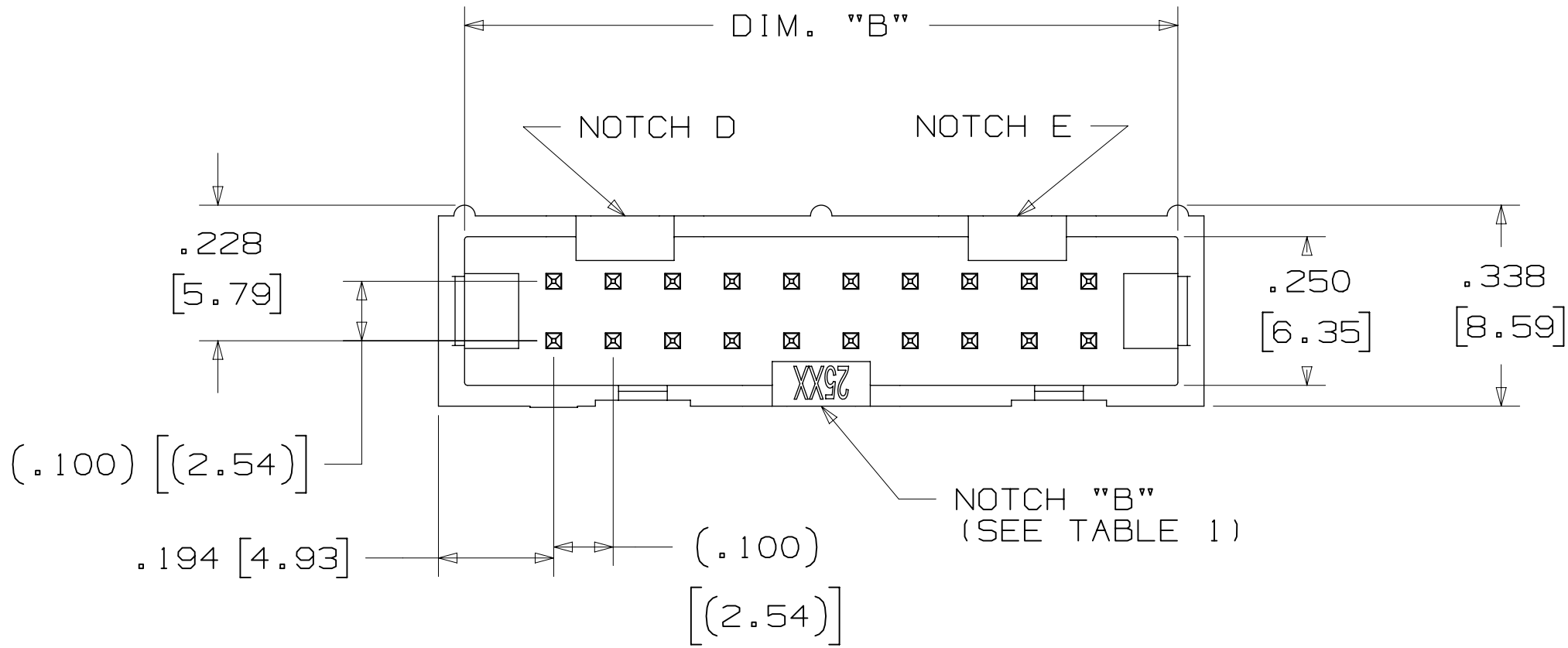
N = RB PLATING REQ'D
D = AR PLATING REQ'D (02 SOLDER TAIL ONLY)

PIN QUANTITY: (SEE TABLE 1)

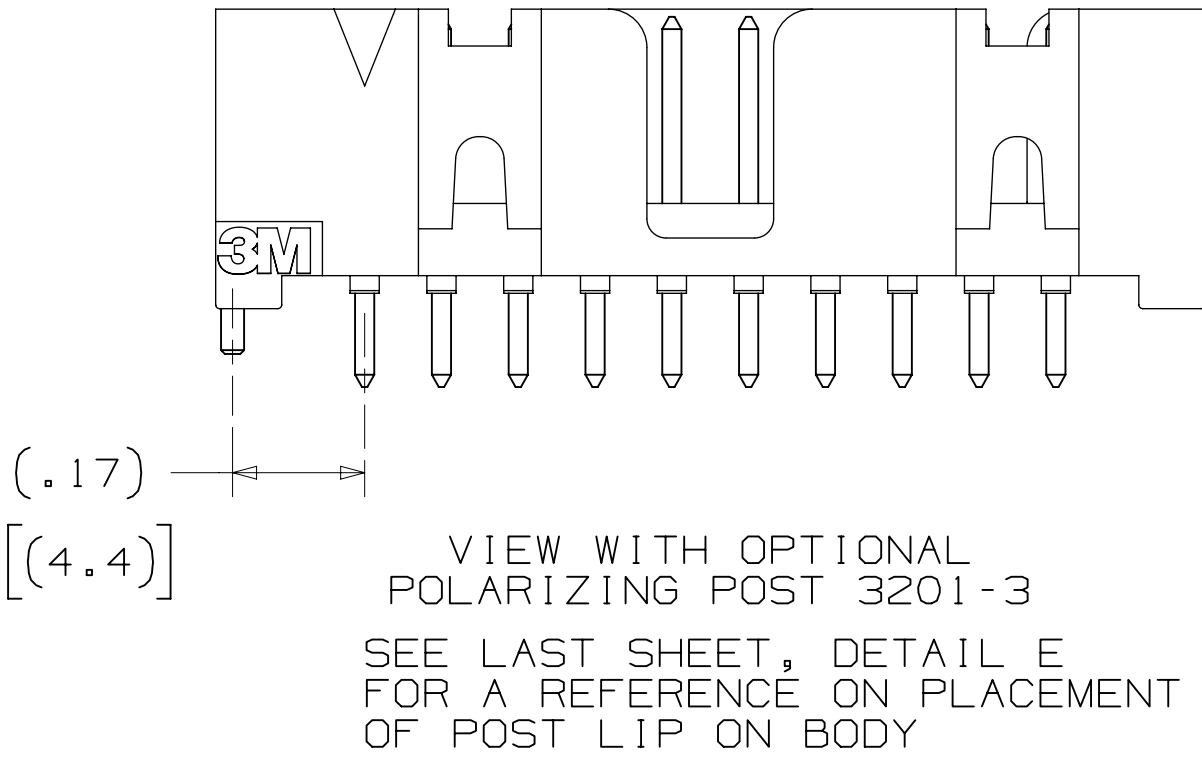
SOLDER TAIL:
02 = FOR .062 [1.57] THICK BOARD
03 = FOR .094 TO .125 [2.39 TO 3.18] THICK BOARD (SOLDER TAIL LENGTH ONLY AVAILABLE ON N25XX-60XX-RB)

PLATING:
AR = 10μ" [0.25μm] GOLD AVG.
50μ-150μ [1.27μm-3.81μm] NICKEL UNDERPLATE
40μ-120μ [1.02μm-3.05μm] MATTE TIN (RIA, E1 & C1 APPLY)

RB = 30μ" [0.76μm] GOLD AVG.
50μ-150μ [1.27μm-3.81μm] NICKEL UNDERPLATE
25μ-200μ [0.63μm-5.08μm] MATTE TIN (RIA, E1 & C1 APPLY)



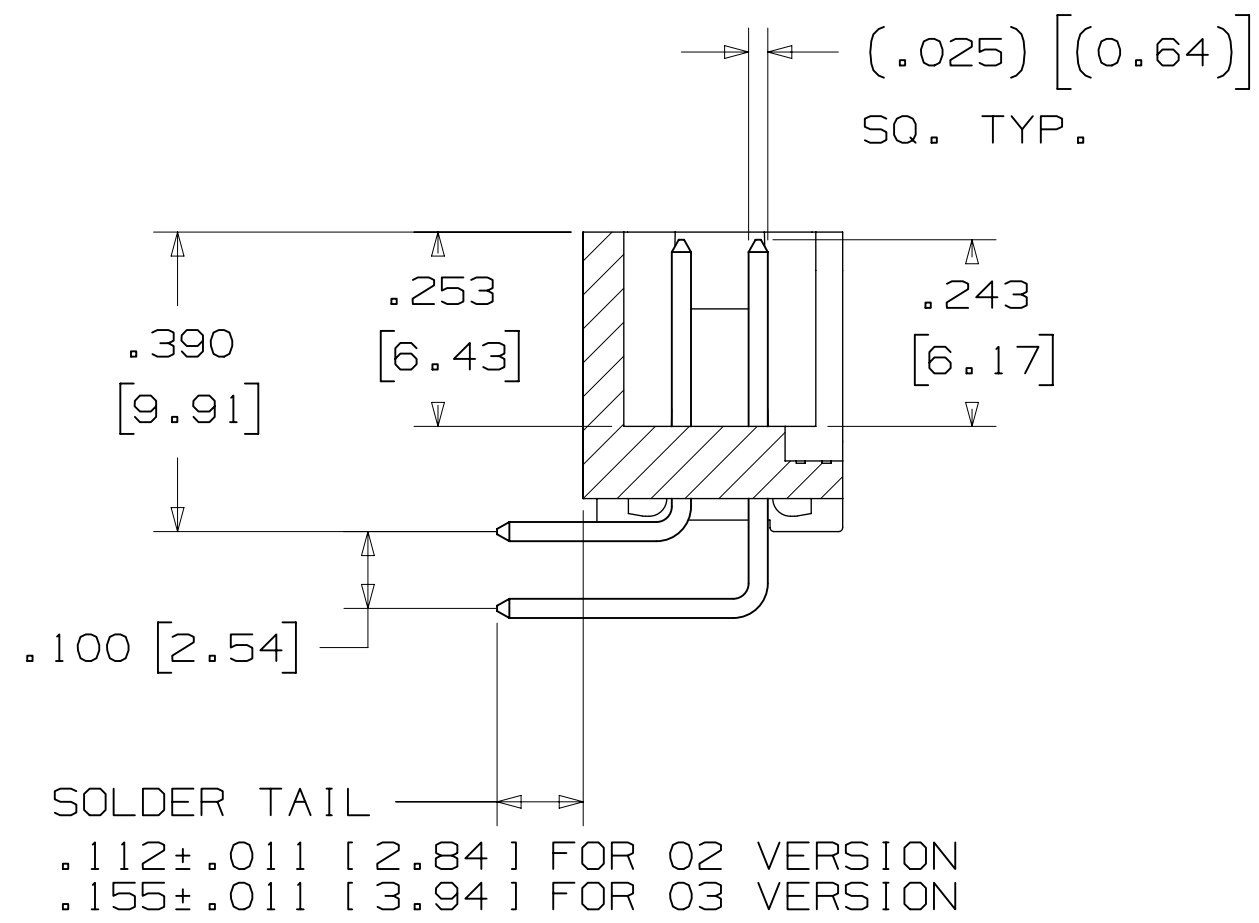
RECOMMENDED HOLE PATTERN
SHOWN FROM COMPONENT SIDE



DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES		DRAWING NO.		CHKD	CAST	IGL	ONE	DATE	DATE
				DATE	DATE	DATE	DATE	DATE	DATE
DIVISION		DIVISION CODE		APPROV.		REV.		DATE	
Interconnect Solutions		EMSD		R. SCHERER		2020		SEP 05, 2014	
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		INCHES .00 .01 .000 .0005 .0000 .0002			
		THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 .2 .00 .01 .000 .0005 .0002			
MAX SURFACE ROUGHNESS 12.5 SURFACES 3.2 MARKED ONLY		TITLE		CAGE NUMBER		DRAWING NO.		REV.	
		HEADER, 4-WALL, LO-PRO, .100 X .100, SMT, STRAIGHT & RA		D78-5100-0770-7		2500 SERIES		DET. LISTS ☐ YES ☒ NO ☐ SHT 2 OF 6	

3M™ FOUR-WALL HEADER, 2500 SERIES

.100" X .100" LOW PROFILE, SURFACE MOUNT, STRAIGHT AND RIGHT ANGLE THROUGH-HOLE



SECTION B - B

PIN QTY.	DIM. "A"	DIM. "B"	DIM. "C"	POLARIZING NOTCHES	PIN QTY.
06	.588 [14.94]	.508 [12.90]	.200 [5.08]	B	06
08	.688 [17.48]	.608 [15.44]	.300 [7.62]	B	08
10	.788 [20.02]	.708 [17.98]	.400 [10.16]	BC	10
14	.988 [25.10]	.908 [23.06]	.600 [15.24]	BCDE	14
16	1.088 [27.64]	1.008 [25.60]	.700 [17.78]	ABCDE	16
20	1.288 [32.72]	1.208 [30.68]	.900 [22.86]	ABCDE	20
24	1.488 [37.80]	1.408 [35.76]	1.100 [27.94]	ABCDE	24
26	1.588 [40.34]	1.508 [38.30]	1.200 [30.48]	ABCDE	26
30	1.788 [45.42]	1.708 [43.38]	1.400 [35.56]	ABCDE	30
34	1.988 [50.50]	1.908 [48.46]	1.600 [40.64]	ABCDE	34
36	2.088 [53.04]	2.008 [51.00]	1.700 [43.18]	ABCDE	36
40	2.288 [58.12]	2.208 [56.08]	1.900 [22.86]	ABCDE	40
50	2.788 [70.82]	2.708 [68.78]	2.400 [60.96]	ABCDE	50
60	3.288 [83.52]	3.208 [81.48]	2.900 [73.66]	ABCDE	60
64	3.488 [88.60]	3.408 [86.56]	3.100 [78.74]	ABCDE	64

ORDERING INFORMATION
RIGHT ANGLE VERSION

X25XX-50XX-XX

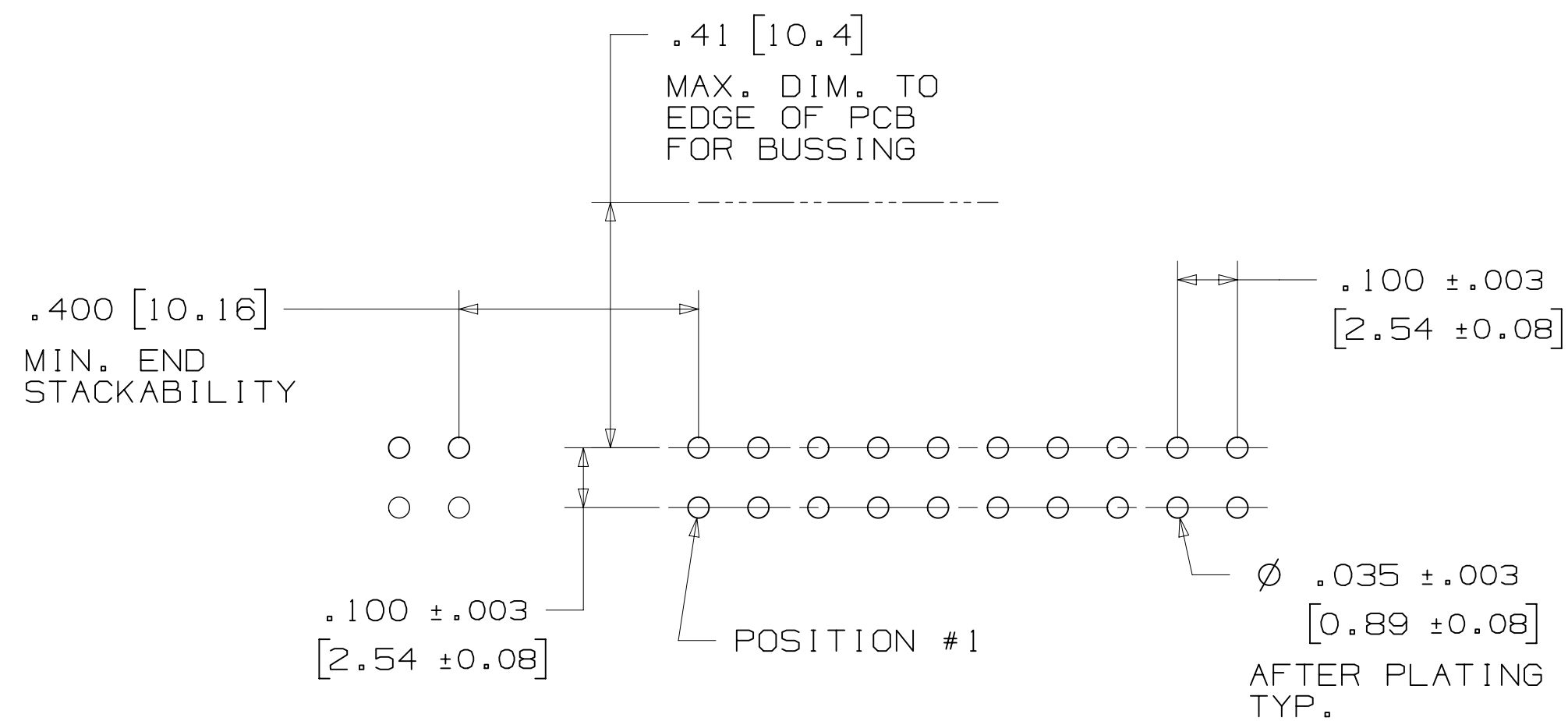
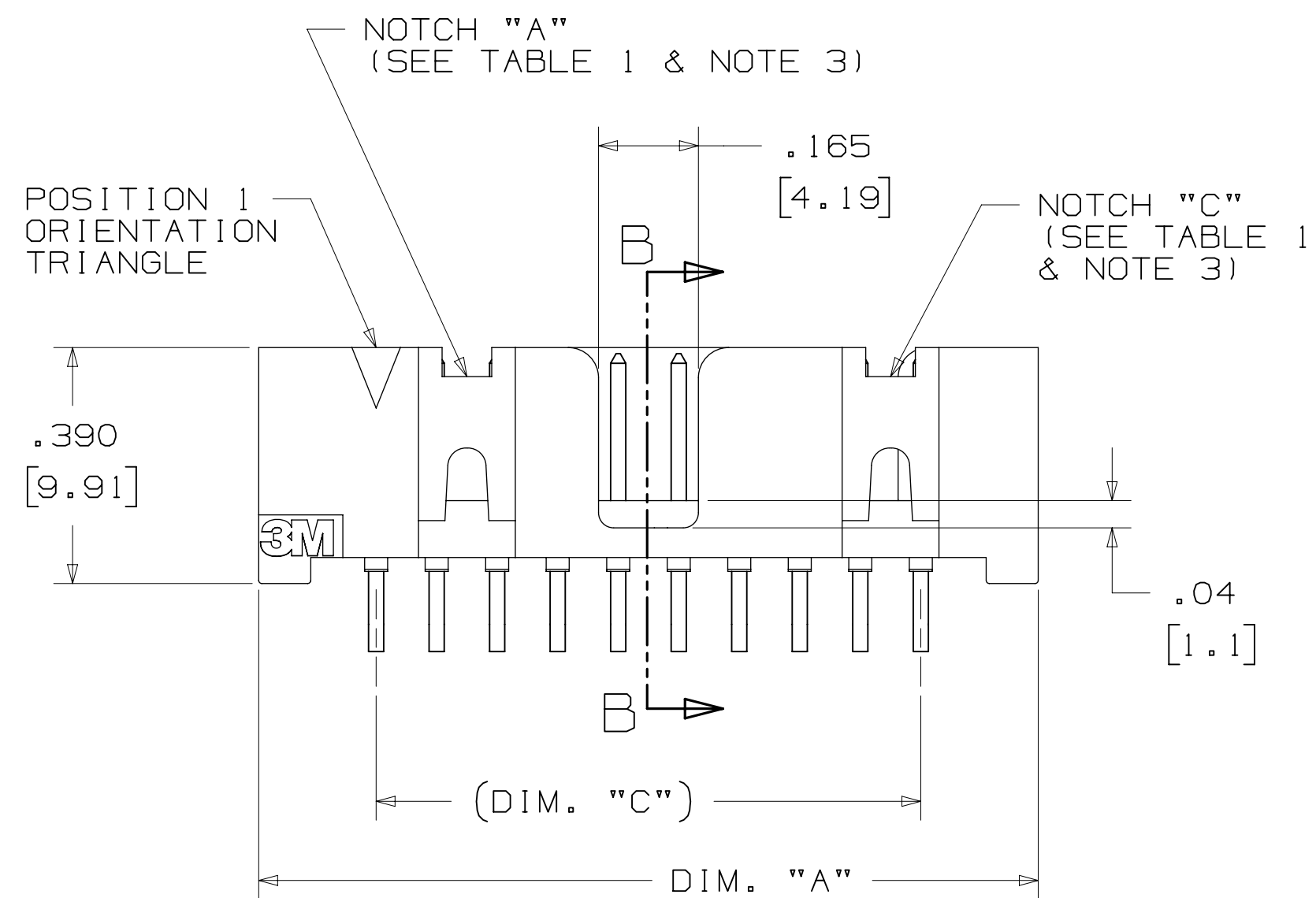
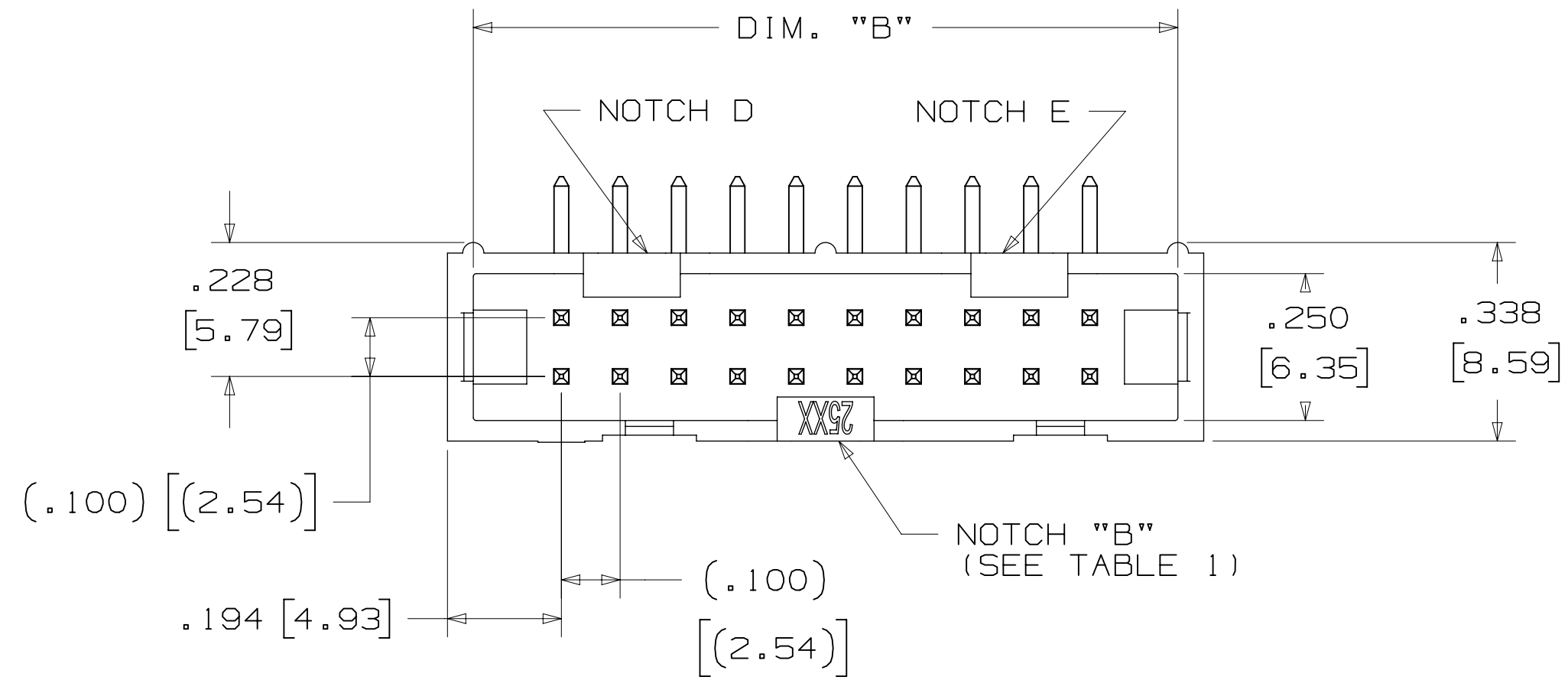
N = RB PLATING REQ'D _____
D = AR PLATING REQ'D _____
(02 SOLDER TAIL ONLY)

PIN QUANTITY:-
(SEE TABLE 1)

SOLDER TAIL: _____
 02 = FOR .062 [1.57] THICK BOARD
 03 = FOR .094 TO .125 [2.39 TO 3.18]
 THICK BOARD (SOLDER TAIL LENGTH ONLY
 AVAILABLE ON N25XX-50XX-RB)

- PLATING:
AR = 10μ" [0.25μm] GOLD AVG.
50μ-150μ [1.27μm-3.81μm] NICKEL UNDERPLATE
40μ-120μ" [1.02μm-3.05μm] MATTE TIN (RIA. E1 & C1 APPLY)

RB = 30 μ " [0.76 μ m] GOLD AVG.
50 μ -150 μ [1.27 μ m-3.81 μ m] NICKEL UNDERPLATE
25 μ -200 μ " [0.63 μ m-5.08 μ m] MATTE TIN (RIA. E1 & C1 APPLY)



RECOMMENDED HOLE PATTERN
SHOWN FROM COMPONENT SIDE

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD			
ACCTG CODES				DRFT		CAST1		1GL1ONE		DATE		MFG			
										DATE		11, 2014			
				CHKD				DATE		APPRV		R. SCHERER			
										DATE		SEP 05, 2014			
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DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		3M									
								TITLE							
				INCHES .00 ±.01 .00 ±.01 .000 ±.005 .0000 ±.0002				HEADER, 4-WALL, LO-PRO, .100 X .100, SMT, STRAIGHT & RA							
THIRD ANGLE PROJECTION ASME Y14.5 - 2018				MILLIMETERS 0 ±.2 0 ±.13 .00 ±.005						CAGE NUMBER					
MAX SURFACE ROUGHNESS		SMT SURFACES		ANGLES		SIZE		DRAWING NO.		REV.		P			
✓ ☐ MARKED ONLY						D		78-5100-0770-7							
				MODEL				2500 SERIES		DET. LISTS		YES ☒ NO ☐ SHT 3 OF 6			

78-5100-0770-7	P
DRAWING NUMBER	REVISION

--	--

[illegible]

3M™ FOUR-WALL HEADER, 2500 SERIES
.100" X .100" LOW PROFILE, SURFACE MOUNT, STRAIGHT AND RIGHT ANGLE THROUGH-HOLE

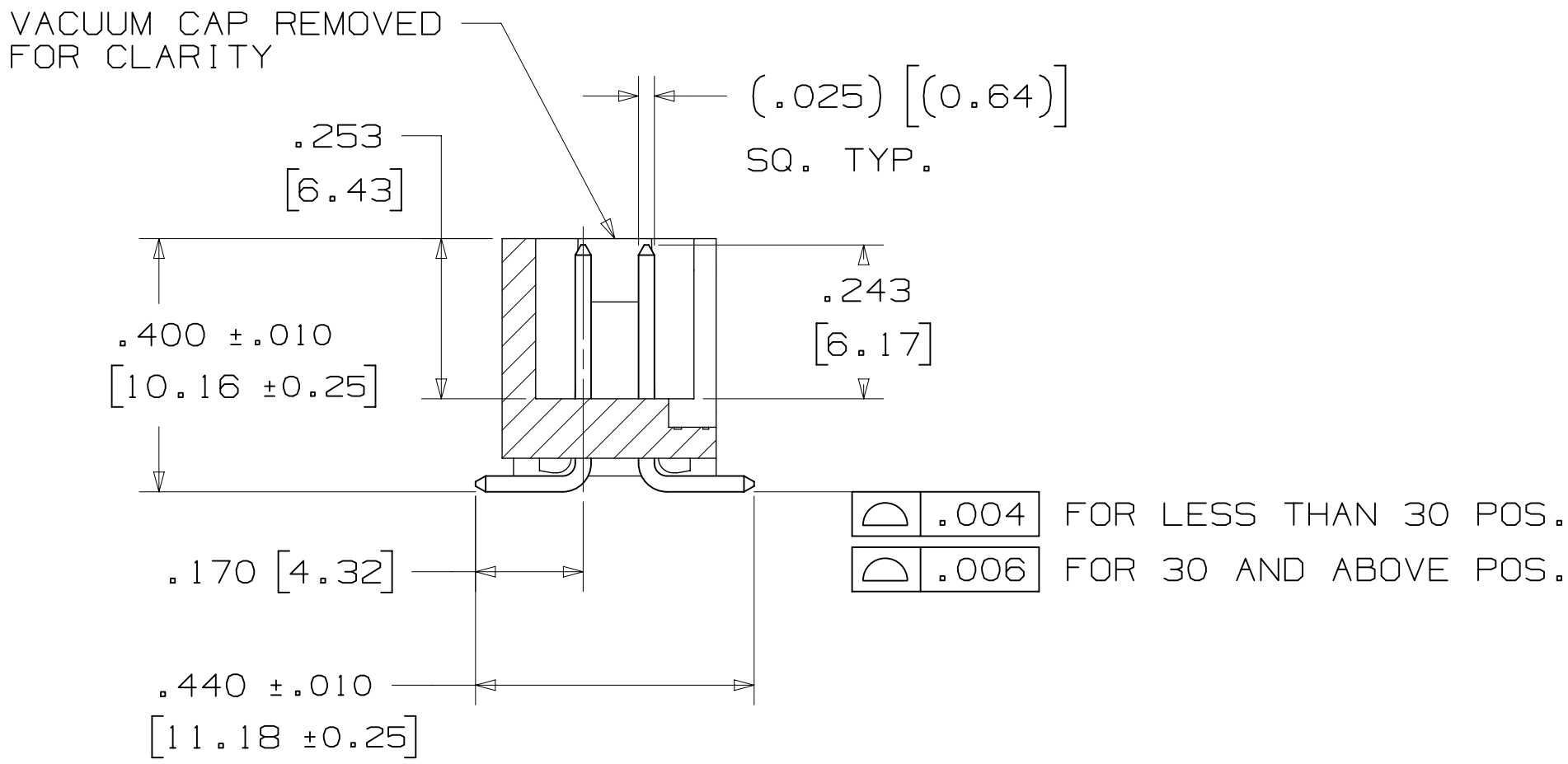


TABLE 1						
PIN QTY.	DIM. "A"	DIM. "B"	DIM. "C"	POLARIZING NOTCHES	TAPE AND REEL PKG CODE	PIN QTY.
06	.588 [14.94]	.508 [12.90]	.200 [5.08]	B	WD (44 MM)	06
08	.688 [17.48]	.608 [15.44]	.300 [7.62]	B	WD (44 MM)	08
10	.788 [20.02]	.708 [17.98]	.400 [10.16]	BC	WD (44 MM)	10
14	.988 [25.10]	.908 [23.06]	.600 [15.24]	BCDE	WD (44 MM)	14
16	1.088 [27.64]	1.008 [25.60]	.700 [17.78]	ABCDE	WD (44 MM)	16
20	1.288 [32.72]	1.208 [30.68]	.900 [22.86]	ABCDE	WE (56 MM)	20
24	1.488 [37.80]	1.408 [35.76]	1.100 [27.94]	ABCDE	WE (56 MM)	24
26	1.588 [40.34]	1.508 [38.30]	1.200 [30.48]	ABCDE	WE (56 MM)	26
30	1.788 [45.42]	1.708 [43.38]	1.400 [35.56]	ABCDE	WF (72 MM)	30
34	1.988 [50.50]	1.908 [48.46]	1.600 [40.64]	ABCDE	WF (72 MM)	34
36	2.088 [53.04]	2.008 [51.00]	1.700 [43.18]	ABCDE	WG (88 MM)	36
40	2.288 [58.12]	2.208 [56.08]	1.900 [48.26]	ABCDE	WG (88 MM)	40
50	2.788 [70.82]	2.708 [68.78]	2.400 [60.96]	ABCDE	WG (88 MM)	50
60	3.288 [83.52]	3.208 [81.48]	2.900 [73.66]	ABCDE	WH (120 MM)	60
64	3.488 [88.60]	3.408 [86.56]	3.100 [78.74]	ABCDE	WH (120 MM)	64

ORDERING INFORMATION
SURFACE MOUNT VERSION

X25XX-6VOC-XX-XX

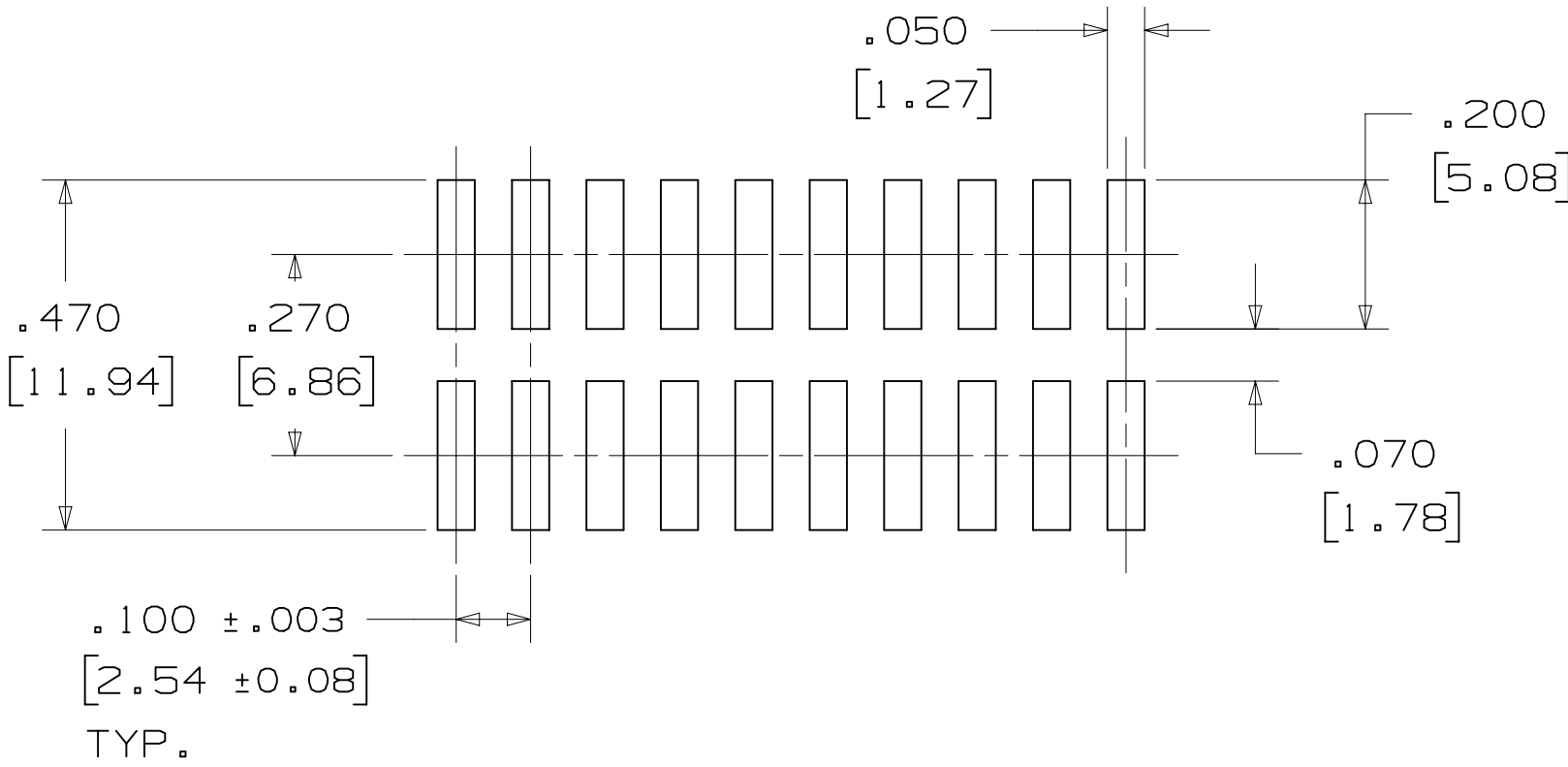
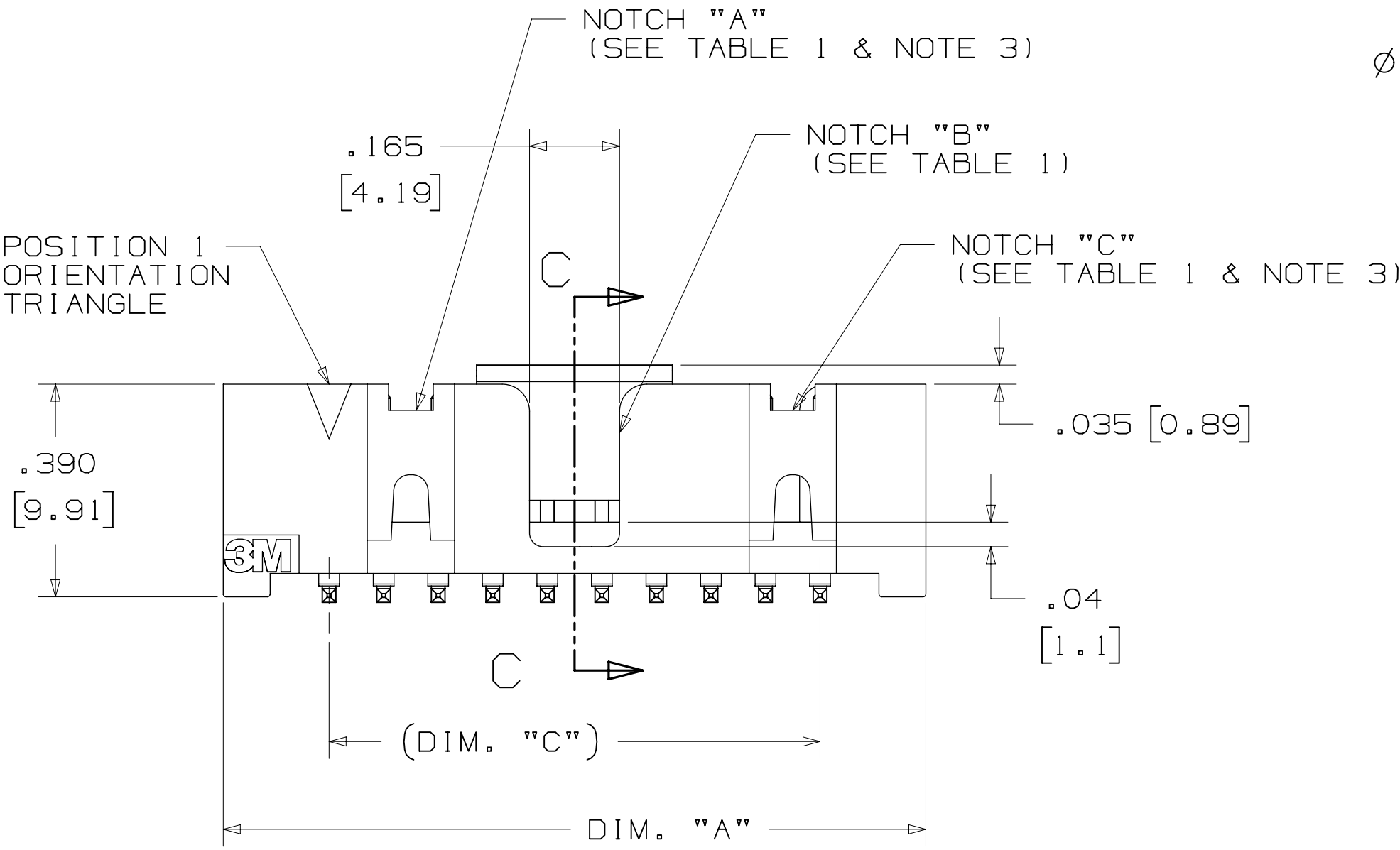
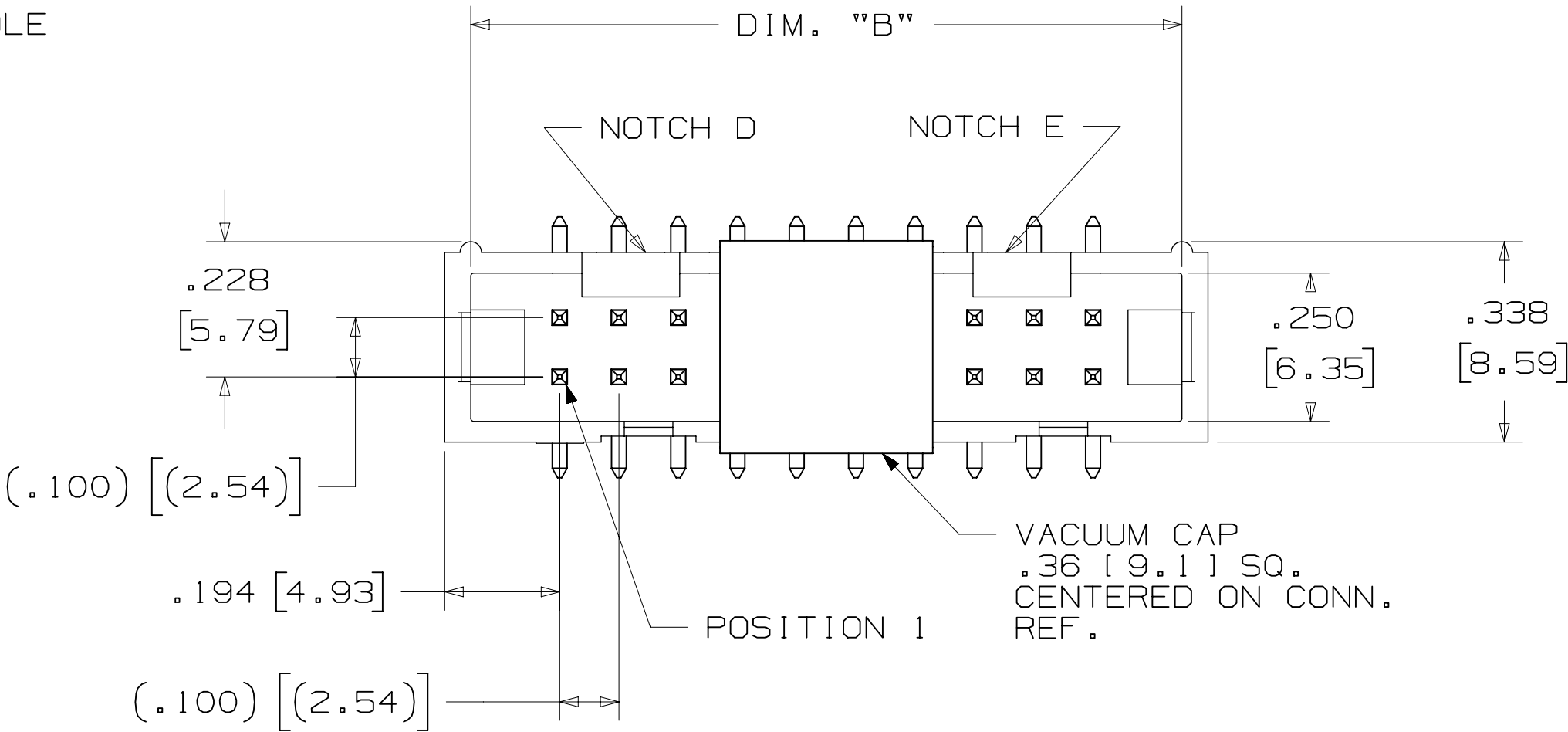
N = RB PLATING REQ'D
D = AR PLATING REQ'D

PIN QUANTITY:
(SEE TABLE 1)

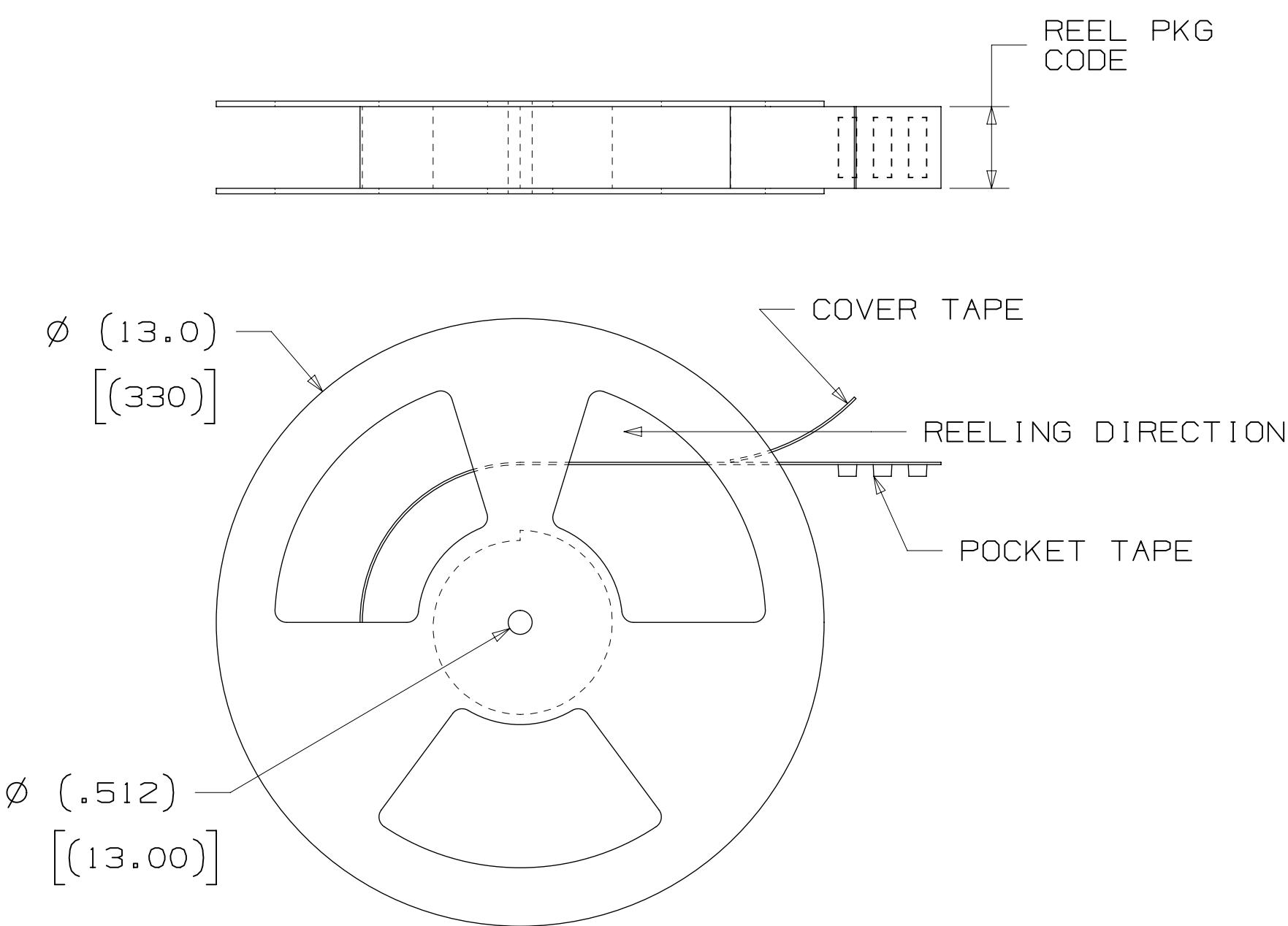
PACKAGING OPTIONS:
WX = TAPE & REEL PACKAGING (SEE TABLE 1)

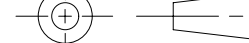
PLATING:
AR = 10µ" [0.25µm] GOLD AVG.
50µ-150µ [1.27µm-3.81µm] NICKEL UNDERPLATE
40µ-120µ" [1.02µm-3.05µm] MATTE TIN (RIA. E1 & C1 APPLY)

RB = 30µ" [0.76µm] GOLD AVG.
50µ-150µ [1.27µm-3.81µm] NICKEL UNDERPLATE
25µ-200µ" [0.63µm-5.08µm] MATTE TIN (RIA. E1 & C1 APPLY)



RECOMMENDED PAD LAYOUT



DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES				DRP	CASTIGLIONE	DATE	AUG 11, 2014	MFG	DATE
				CHKD		DATE		APPR	DATE
								R. SCHERER	SEP 05, 2014
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2020					
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DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED					
				INCHES .00 .01 .000 .0005 .0000 .0002		TITLE			
THIRD ANGLE PROJECTION				MILLIMETERS 0 .1 .00 .005 .000 .0002		HEADER, 4-WALL, LO-PRO, .100 X .100, SMT, STRAIGHT & RA			
INTERPRET PER ASME Y14.5 - 2018				MAX SURFACE ROUGHNESS .125 SURFACES .063 MARKED ONLY		CAGE NUMBER			
☒ UNLESS OTHERWISE SPECIFIED				ANGLES		SIZE DRAWING NO. D 78-5100-0770-7 REV. P			
						MODEL 2500 SERIES DET. LISTS ☐ YES ☒ NO SHT 4 OF 6			

3M™ FOUR-WALL HEADER, 2500 SERIES

.100" X .100" LOW PROFILE, SURFACE MOUNT, STRAIGHT AND RIGHT ANGLE THROUGH-HOLE

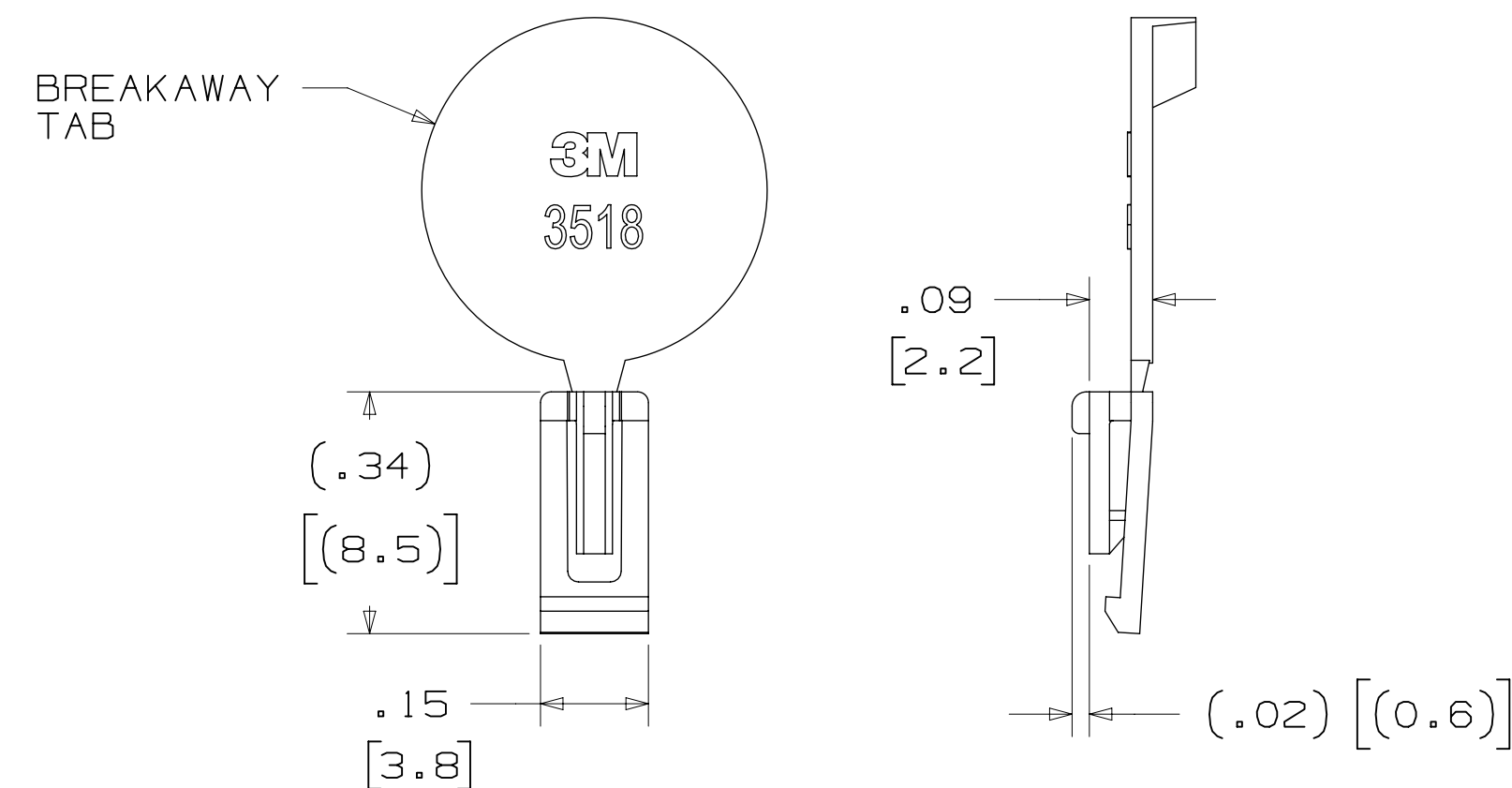
PART CUSTOMIZATION

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.

- ```
* SELECTIVE PIN REMOVAL (FOR BOARD ASSEMBLY POLARIZATION).
* DIFFERENT PIN LENGTHS.
```

## POLARIZING KEY

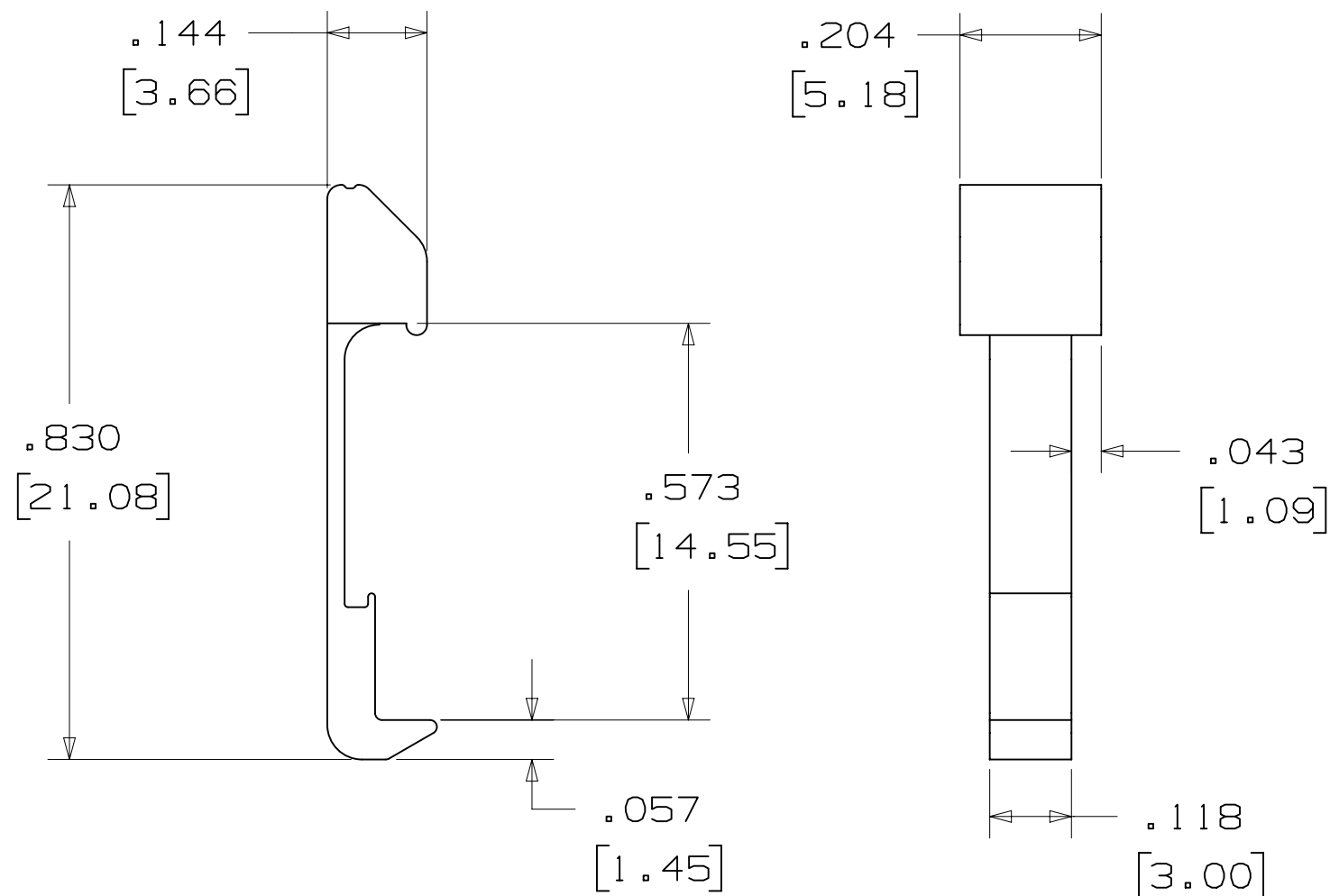


| 3M PART NO. | MATERIAL | COLOR |
|-------------|----------|-------|
| 3518        | PBT      | GRAY  |
| N3518       | LCP      | BLACK |
| D3518       | PBT      | BLACK |

NOTE :

- 1) #2216 B/A SCOTCHWELD CAN BE USED TO ADHERE KEYS.
- 2) SEE INSTRUCTION SHEET 78-9100-7795-3 FOR ASSEMBLY.

# LOW PROFILE LATCH

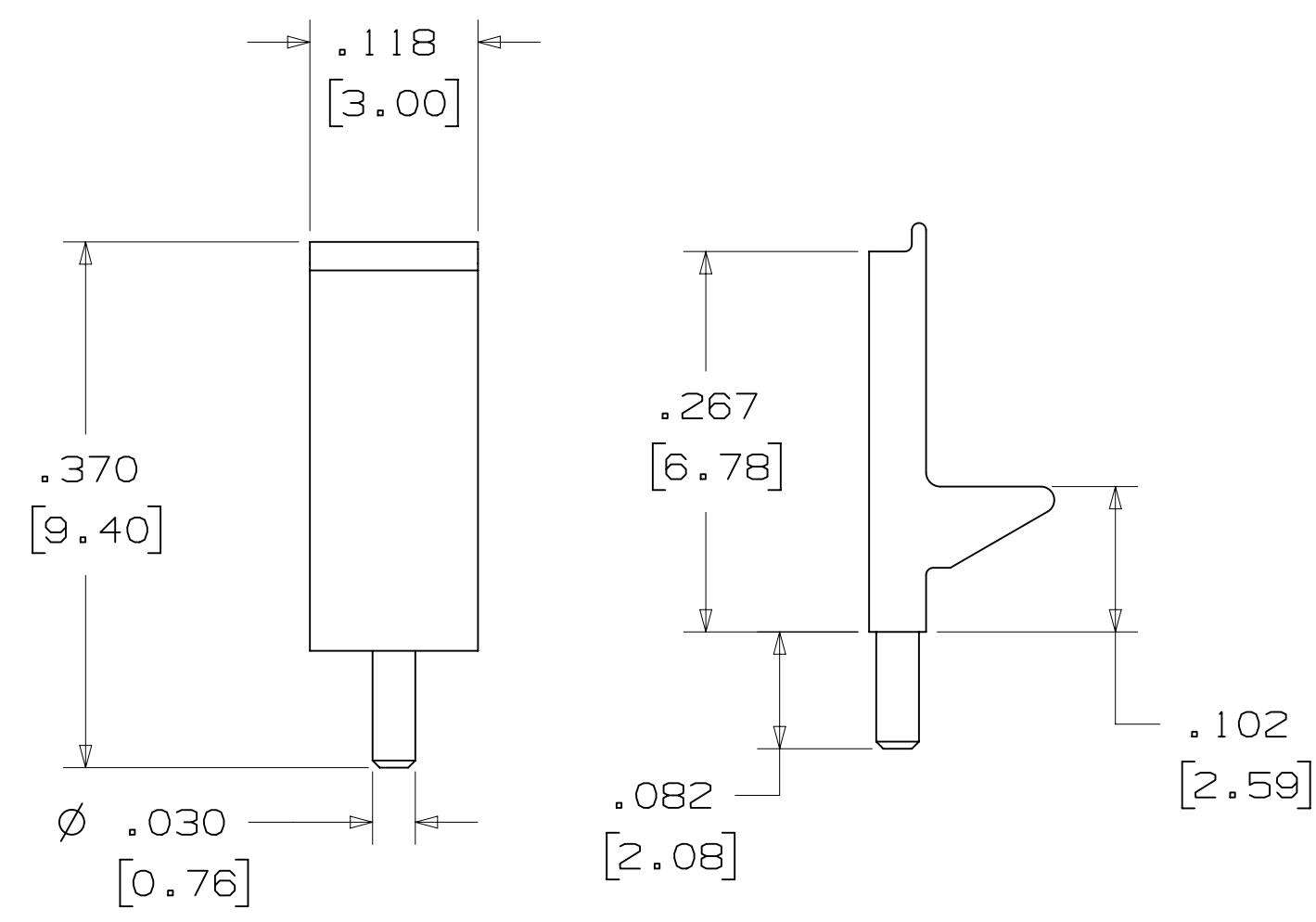


|          |          |       |
|----------|----------|-------|
| PART NO. | MATERIAL | COLOR |
| 3505-33B | NYLON    | BLACK |

NOTE :

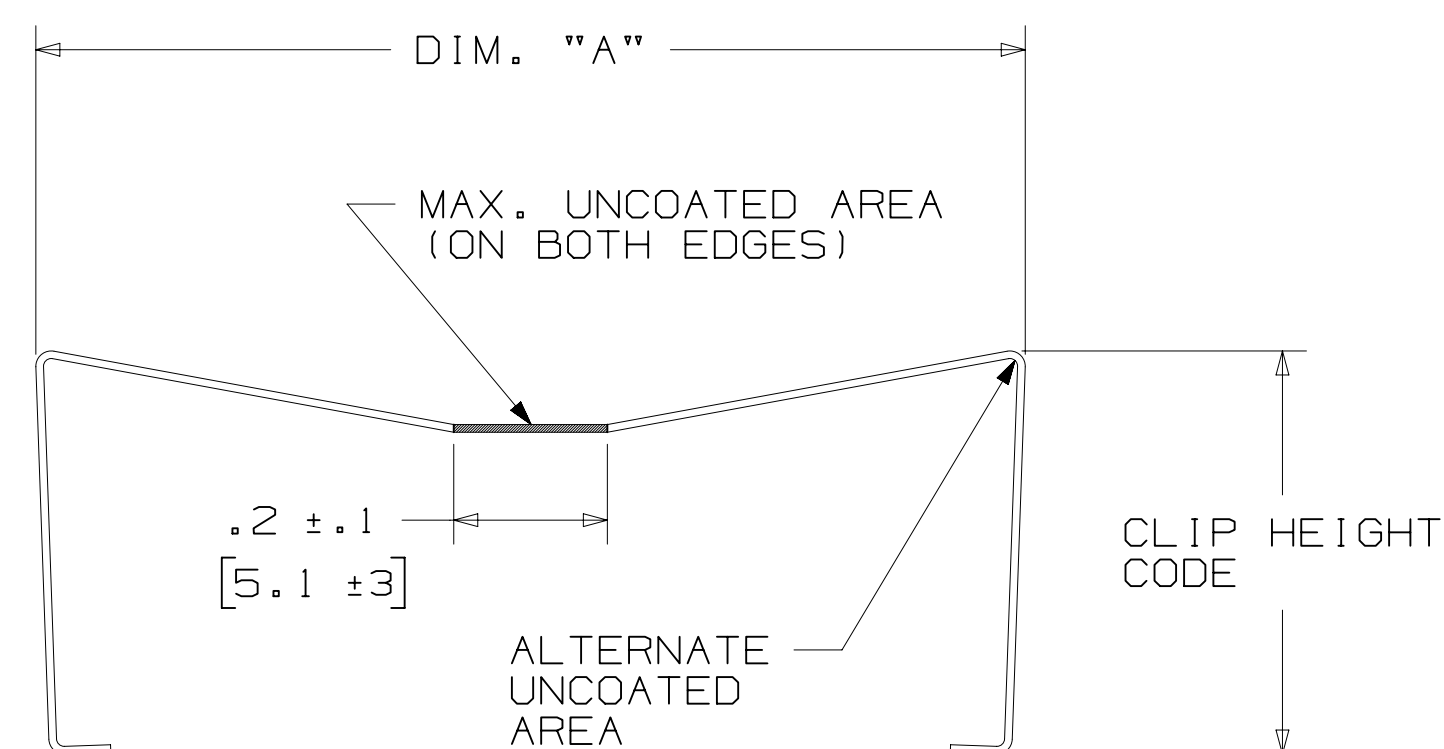
1. LATCHES NOT COMPATIBLE WITH REFLOW SOLDERING.  
ATTACH LATCHES AFTER SOLDERING.
2. LATCHES ARE MEANT FOR RETENTION ONLY.
3. SEE LAST SHEET FOR ASSEMBLY.

## POLARIZING POST



|          |          |       |
|----------|----------|-------|
| PART NO. | MATERIAL | COLOR |
| 3201-3   | PCT      | BLACK |

## SHORT/LONG SOCKET RETAINER CLIP



| PIN | QTY. | DIM. "A"      |
|-----|------|---------------|
| 06  |      | N/A           |
| 08  |      | N/A           |
| 10  |      | .81 [ 20.6 ]  |
| 14  |      | 1.02 [ 25.9 ] |
| 16  |      | 1.12 [ 28.4 ] |
| 20  |      | 1.32 [ 33.5 ] |
| 24  |      | 1.52 [ 38.7 ] |
| 26  |      | 1.63 [ 41.4 ] |
| 30  |      | 1.83 [ 46.4 ] |
| 34  |      | 2.03 [ 51.6 ] |
| 36  |      | N/A           |
| 40  |      | 2.33 [ 59.2 ] |
| 50  |      | 2.83 [ 71.9 ] |
| 60  |      | 3.33 [ 84.6 ] |
| 64  |      | 3.53 [ 89.7 ] |

NOTE:  
STAINLESS STEEL WITH GRAY POLYURETHANE COATING.

3505-8XXX

CLIP HEIGHT CODE \_\_\_\_\_ PIN COUNT \_\_\_\_\_  
 0 = .31 [ 7.9 ] FOR SOCKETS (SEE TABLE)  
     WITHOUT STRAIN RELIEF  
 1 = .53 [ 13.5 ] FOR SOCKETS  
     WITH STRAIN RELIEF

NOTE :

- NOTE: THE FOLLOWING RETAINER CLIPS HAVE BEEN DISCONTINUED:  
3505-8064  
3505-8124  
3505-8150

|                                                 |  |               |  |                                        |  |             |  |                                                                                                                                                                                                                               |  |            |  |              |  |
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| DESIGN REFERENCE                                |  | NEXT ASSEMBLY |  | REV                                    |  | ECO         |  | ISSUE DATE AND DESCRIPTION                                                                                                                                                                                                    |  | DRFT       |  | CHKD         |  |
| ACORN CODES                                     |  |               |  | DRFT                                   |  | CASTIGLIONE |  | DATE                                                                                                                                                                                                                          |  | MFG        |  | DATE         |  |
|                                                 |  |               |  | CHKD                                   |  |             |  | DATE                                                                                                                                                                                                                          |  | APPRV.     |  | DATE         |  |
|                                                 |  |               |  |                                        |  |             |  | AUG 11, 2014                                                                                                                                                                                                                  |  | R. SCHERER |  | SEP 05, 2014 |  |
| DIVISION                                        |  |               |  | DIVISION CODE                          |  |             |  | © 3M COPYRIGHT 2020                                                                                                                                                                                                           |  |            |  |              |  |
| Interconnect Solutions                          |  |               |  | EMSD                                   |  |             |  | <div>  <div> <div>3M Center</div> <div>St. Paul,</div> <div>MN 55144</div> </div> </div>                                                 |  |            |  |              |  |
| DO NOT SCALE DRAWING                            |  |               |  | SCALE 4/1                              |  |             |  | <p>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.</p> |  |            |  |              |  |
| TOLERANCES EXCEPT AS NOTED                      |  |               |  | INCHES                                 |  |             |  | TITLE                                                                                                                                                                                                                         |  |            |  |              |  |
|                                                 |  |               |  | .00 .01                                |  |             |  | HEADER, 4-WALL,                                                                                                                                                                                                               |  |            |  |              |  |
|                                                 |  |               |  | .000 .005                              |  |             |  | LO-PRO, .100 X .100,                                                                                                                                                                                                          |  |            |  |              |  |
|                                                 |  |               |  | .0000 .0002                            |  |             |  | SMT, STRAIGHT & RA                                                                                                                                                                                                            |  |            |  |              |  |
| THIRD ANGLE PROJECTION                          |  |               |  | MILLIMETERS                            |  |             |  | CAGE                                                                                                                                                                                                                          |  |            |  |              |  |
|                                                 |  |               |  | 0 .2                                   |  |             |  | NUMBER                                                                                                                                                                                                                        |  |            |  |              |  |
| INTERPRET PER ASME Y14.5 - 2018                 |  |               |  | .00 .03                                |  |             |  | SIZE, DRAWING NO.                                                                                                                                                                                                             |  |            |  |              |  |
| MAX. SURFACE ROUGHNESS                          |  |               |  | .00 .13                                |  |             |  | D 78-5100-0770-7                                                                                                                                                                                                              |  |            |  |              |  |
| SURFACES                                        |  |               |  | .00 .005                               |  |             |  | REV. P                                                                                                                                                                                                                        |  |            |  |              |  |
| <input checked="" type="checkbox"/> MARKED ONLY |  |               |  | <input type="checkbox"/> UNMARKED ONLY |  |             |  | MODEL 2500 SERIES DET.                                                                                                                                                                                                        |  |            |  |              |  |
|                                                 |  |               |  | ANGLES                                 |  |             |  | SHOTS, PYES & NO SHOT 5 OF 6                                                                                                                                                                                                  |  |            |  |              |  |

3M™ FOUR-WALL HEADER, 2500 SERIES  
.100" X .100" LOW PROFILE, SURFACE MOUNT, STRAIGHT AND RIGHT ANGLE THROUGH-HOLE

**Regulatory:** For regulatory information about this product, visit [3M.com/regs](http://3M.com/regs) or contact your 3M representative.

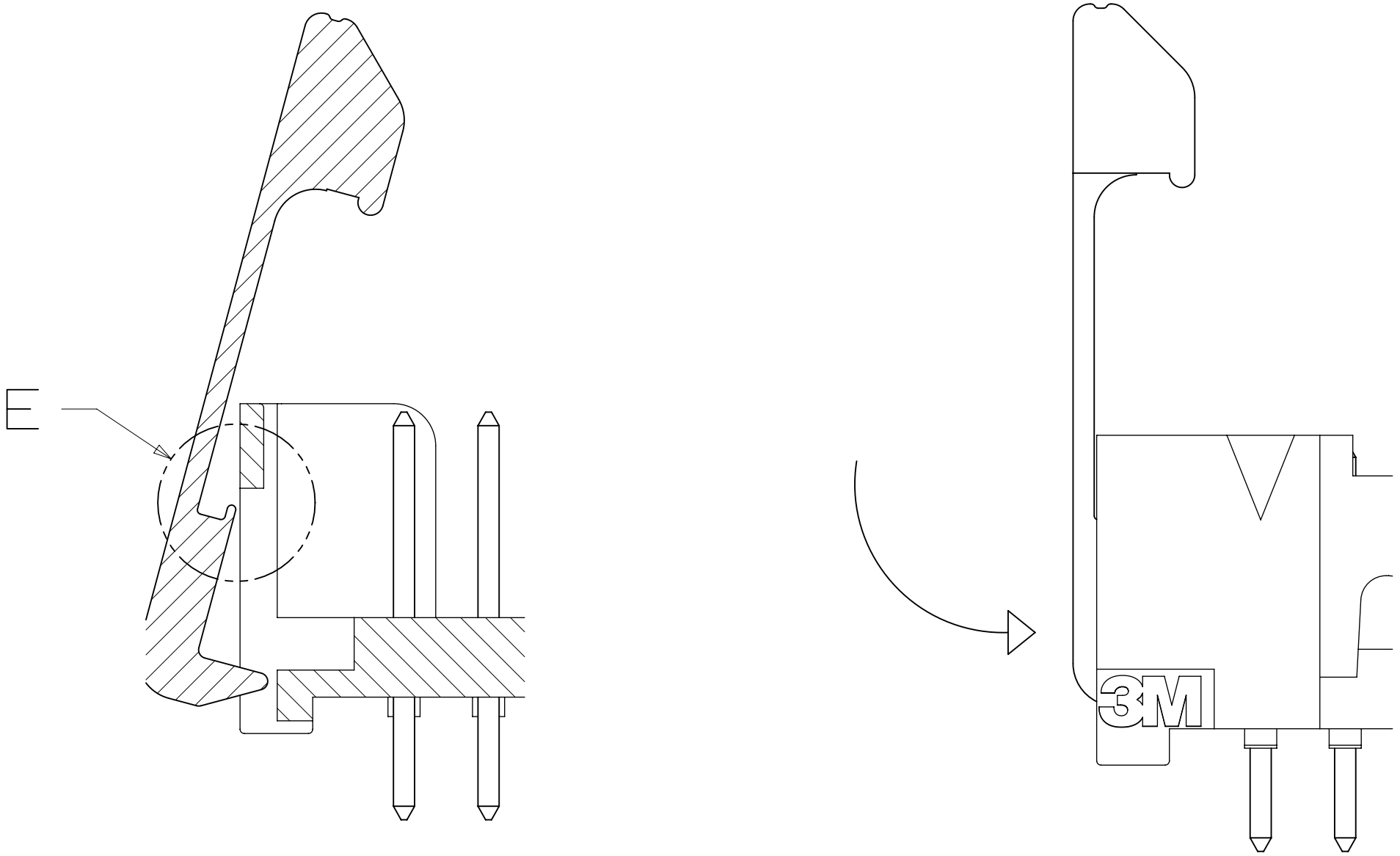
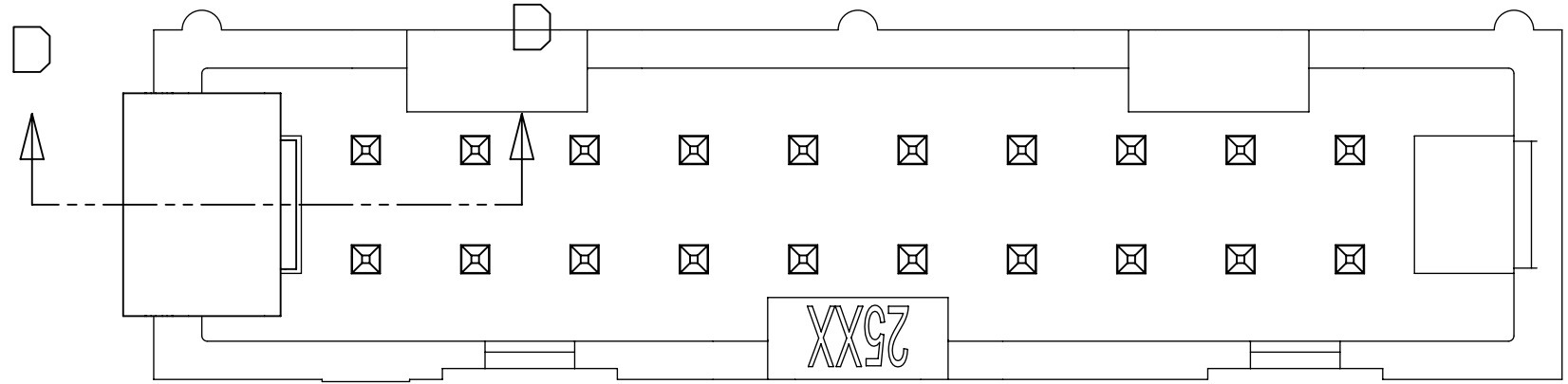
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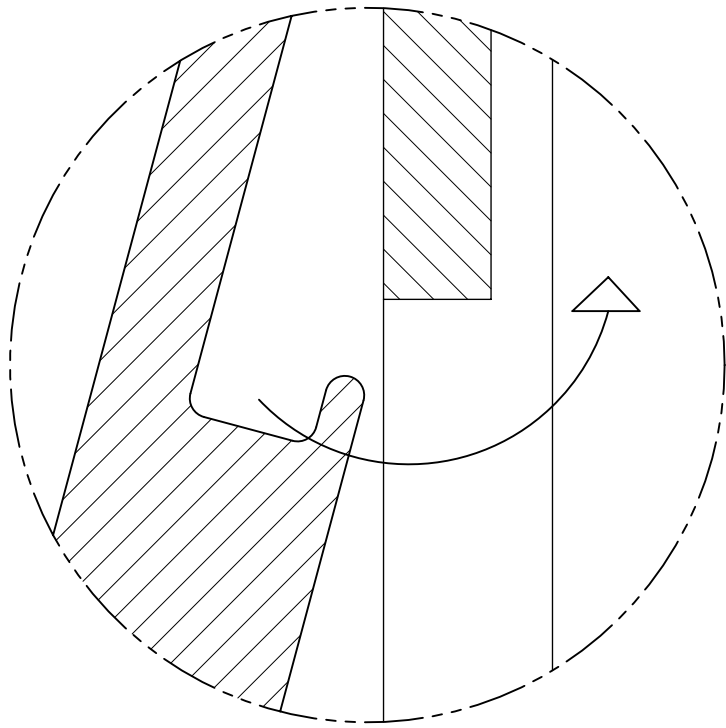
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Austin, TX 78753-5380  
1-800-225-5373  
[www.3M.com/interconnect](http://www.3M.com/interconnect)



SECTION D - D  
SCALE 6x



Detail E  
SCALE 20x

TO ASSEMBLE LATCH:  
PLACE LIP UNDER OPENING IN END WALL.  
PRESS INTO END WALL UNTIL LATCH CLICKS.

|                        |  |               |  |                            |     |                            |              |            |              |
|------------------------|--|---------------|--|----------------------------|-----|----------------------------|--------------|------------|--------------|
| DESIGN REFERENCE       |  | NEXT ASSEMBLY |  | REV                        | ECO | ISSUE DATE AND DESCRIPTION |              | DRFT       | CHKD         |
| ACCESS CODES           |  |               |  | CASTIGLIONE                |     | DATE                       | AUG 11, 2014 | MFG        | DATE         |
|                        |  |               |  | CHKD                       |     | DATE                       |              | APPR       | DATE         |
|                        |  |               |  |                            |     |                            |              | R. SCHERER | SEP 05, 2014 |
| DIVISION               |  | DIVISION CODE |  |                            |     |                            |              |            |              |
| Interconnect Solutions |  | EMSD          |  |                            |     |                            |              |            |              |
| DO NOT SCALE DRAWING   |  | SCALE 6 1     |  | TOLERANCES EXCEPT AS NOTED |     |                            |              |            |              |
|                        |  | INCHES        |  |                            |     |                            |              |            |              |
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| THIRD ANGLE PROJECTION |  | MILLIMETERS   |  |                            |     |                            |              |            |              |
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| MAX SURFACE ROUGHNESS  |  | ANGLES        |  |                            |     |                            |              |            |              |
| SURFACES               |  |               |  |                            |     |                            |              |            |              |
| MARKED ONLY            |  |               |  |                            |     |                            |              |            |              |
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