

	5		4	3	2		1	<b>_</b> _
IOLE		<ul> <li>CENTER SLOT INSERTION T</li> <li>DUAL SLOT P POLARIZATIO</li> <li>OPTIONAL RE CONNECTION</li> <li>HIGH TEMPER</li> <li>THROUGH HOL TECHNIQUES.</li> <li>EXPOSED SOL AND REDUCED</li> </ul>	IME. OLARIZATION MEANS E N DESIGNS (NOT AVA TAINER CLIP FOR LOO RELIABILITY IN VIBE ATURE INSULATOR SU E VERSION SUITABLE	ENTS MIS-INSERTIONS AND RED BROADER COMPATIBILITY WITH ILABLE ON 6, 8 OR 10 POSITIO CKING SOCKETS IN PLACE AND RATION-PRONE ENVIRONMENTS. ITABLE FOR "NO LEAD" SOLDER FOR REFLOW SOLDERING USING T ANGLE VERSION) PROVIDE EAS	COMPETITIVE ONS). INCREASING ING OPERATIONS. "PASTE IN HOLE"	2VISI2IN TH BETWE CONTA SPEC3NOTCL 3M PL4CONTA WITH AND5SOLD .01	NOTES LATORY INFORMATION: T 3M.com/regs HE EVENT OF CONFLICT EEN THIS DATA AND THAT AINED IN THE PRODUCT IFICATION, THE PRODUCT IFICATION, THE PRODUCT IFICATION TAKES PRECED HES A & C WILL ACCOMOD OLARIZING KEY: N3518. ACT TAILS .0245 [ .622 ] W .0075 [ .191 ] CORNER RAD .028 [ .072 ] DIAGONAL. DER STANDOFFS FACILIT/ [ .3 ] CLEARANCE ABOVE 2D FOR REFLOW SOLDERIN	DENT. DATE
	MA FLAMMA C MA P UNDER P WIPIN SOLDER MA 2 ELECTRIC CURRENT R INSULATION RESIS WITHSTANDING VO 2 ENVIRONMENT TEMPERATURE R	ULATOR: TERIAL: HIGH BILITY: UL94V COLOR: BLACK ONTACT: TERIAL: COPPE LATING: NICKE GAREA: GOLD TAILS: MATTE RKINGS: 3M LO CAL: ATING: 5.00A, 1.75A, RATING TEMPER 3M PRO CURVES TANCE: >1 X 1 LTAGE: 1,000V TAL: ATING: -55°C RATING: 260°C,	-0 R ALLOY L UNDERPLATE (SEE ( (SEE ORDERING INFOR TIN (SEE ORDERING GO, PART IDENTIFIC, 1 CONTACT POWERED 6 CONTACTS POWERED 6 CONTACTS POWERED ALL CONTACTS POWERED O'ON AT SEA LEVEL TO 105°C PER J-STD-020C, S	INFORMATION) ATION NUMBER AND ORIENTATION RED 54-070 METHOD 2, 30°C MAXIM RATED. REFERENCE APPROPRIAT FOR DETAILED CURRENT DERAT	UM E			TB-5100-0770-7 P RAVING NUMBER
				DI UL FILE NO: E68080	IMENSIONS:       INCHES [MM]         DESIGN REFERENCE       NEXT ASSEMBLY         ACCESS       DIVISION         DIVISION       DIVISION CODE         Interconnect Solutions       DIVISION CODE         DO NOT       SCALE         DRAWING       1         INCHES       NOTED         DRAWING       1         INCHES       .000 ± .000         THIRD ANGLE PROJECTION       .0000 ± .0000         INTERPRET PER       ASME Y14.5 - 2018         MAX SURFACE ROUGHNESS       .00 ± .13         .00 ± .015       .000 ± .005         .00 ± .013       .000 ± .005         .00 ± .013       .000 ± .005	CASTIGLIONE CHKD CHKD St. MN TITLE HE/ LO-P SMT CAGE SIZE I	DATE AUG 11,2014 DATE DATE DATE DATE DATE C 3M COPYRIGHT 2020 Center Paul, 3M property and may not be reproduced or furt distributed without 3M permission, or used or disclosed other than for 3M authorized purpos All rights reserved. ADER, 4 - WALL, 2RO, 100 X 100 STRAIGHT & R/ DRAWING NO. 78-5100-0770-7	SC RS CHKD S,2014 CHKD S,2014 CHKD S,2014 CHKD S,2014 CHKD S,2014 CHKD S,2014 CHKD S,2014 CHKD S,2014 CHKD S,2014 CHKD S,2014 CHKD S,2014 CHKD S,2014 CHKD S,2014 CHKD S,2014 CHKD S,2014 CHKD S,2014



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

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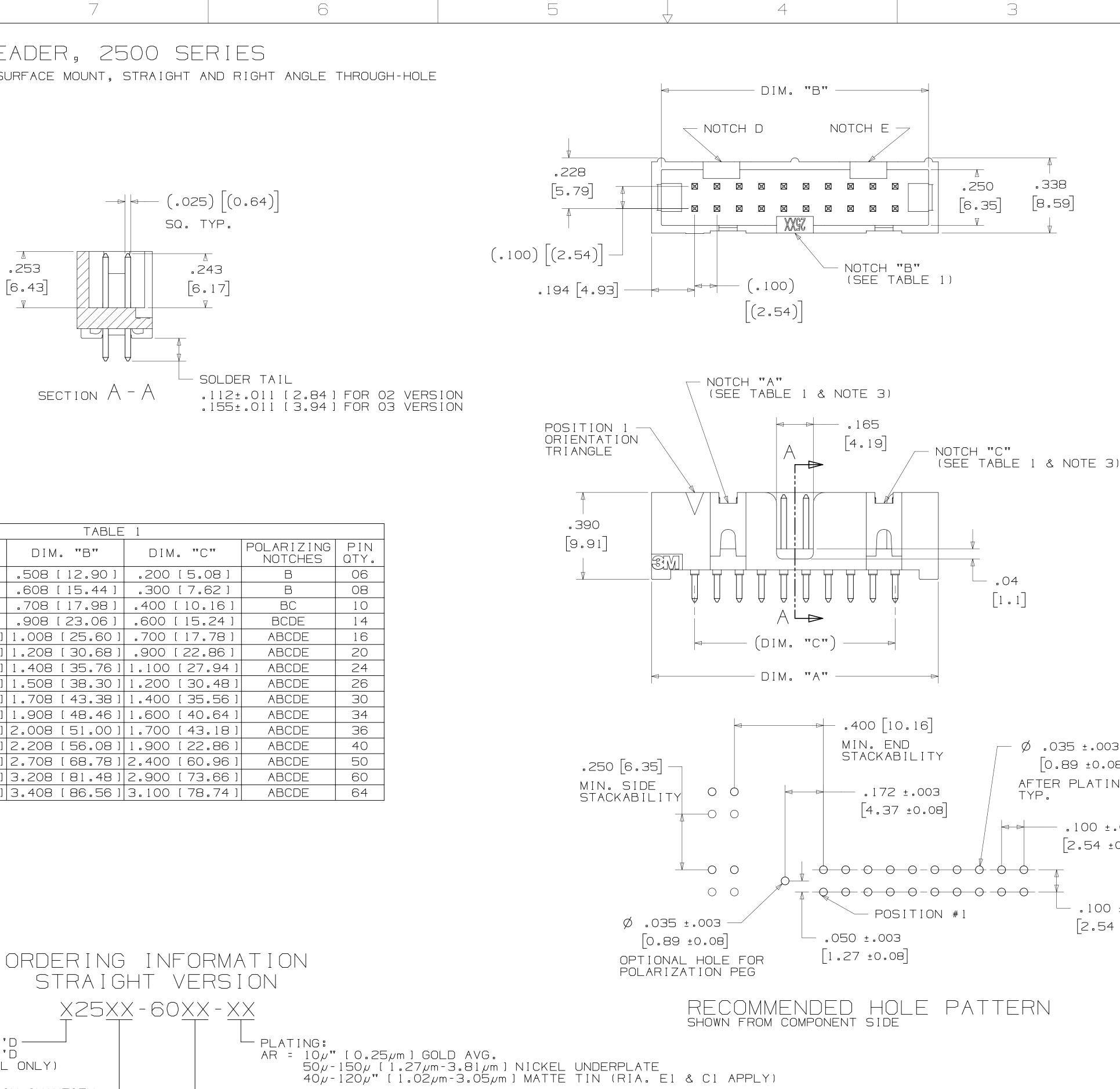
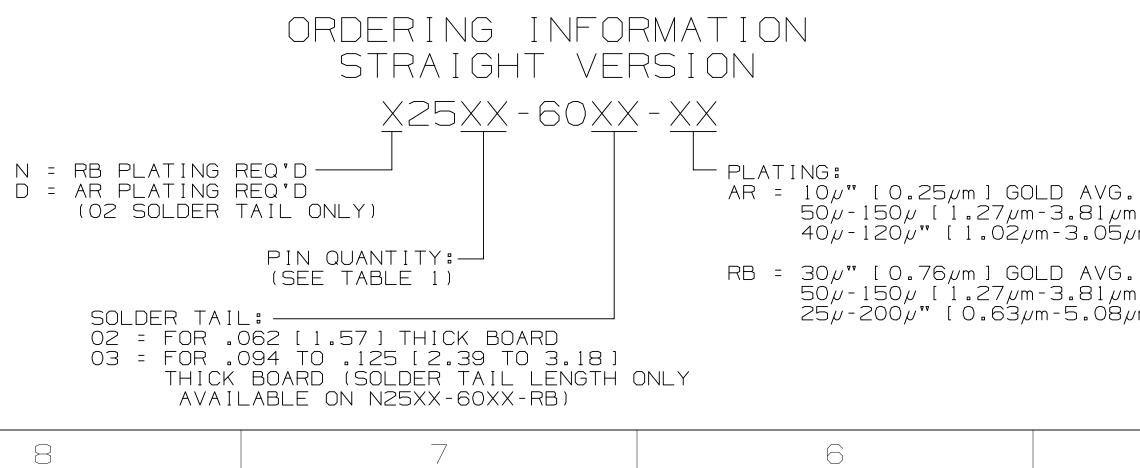


	TABLE 1												
PIN QTY.	DIM. "A"	DIM. "B"		POLARIZING NOTCHES	PIN QTY.								
06	.588 [14.94]	.508 [ 12.90 ]	.200 [5.08]	В	06								
08	.688 [17.48]	.608 [ 15.44 ]	.300 [7.62]	В	08								
10	.788 [20.02]	.708 [ 17.98 ]	.400 [ 10.16 ]	BC	1 O								
14	.988 [25.10]	.908 [23.06]	.600 [ 15.24 ]	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								



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

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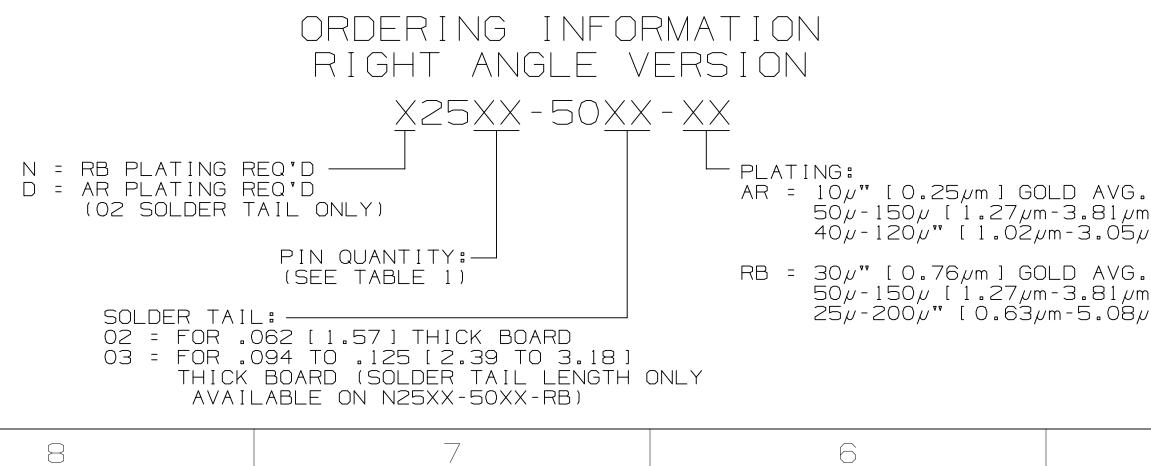
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3)	S	POLARIZING See last shi	UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU	E			С
)3 08] NG							TB-5100-0770-7 P REVISION
:.003 ±0.08]							Offset (hrs) 6
	ESIGN REFERENCE NEXT ASS DEES VISION DEES DO NOT SCALE DRAWING 1 DO NOT SCALE A DRAWING 1 CO CO CO CO CO CO CO CO CO CO	DRFT CASTIGLI CASTIGLI CHKD CHKD CHKD CHKD CHKD CHKD CHKD CHKD	REVISE D NEW HEAD 008 AUG 03 REVISE D CLIP CHA 068 AUG 1 REVISED 00 ISSUE DATE A 0NE AUG 11,2014 DATE 0NE AUG 11,2014 DATE	2,2016 IM ON SHT2 & RT ON SHT5 1,2014 AND REDRAWN ND DESCRIPTION MFG APPVL R. SCHERER 3M COPYRIGHT 2020 and the information it c and the	1 00 RA 7	re REV.	T Imaged: Central Standard Time 9/14/2020 UTC 0ff

3M<sup>™</sup> Four-Wall Header, 2500 series .100" X .100" LOW PROFILE, SURFACE MOUNT, STRAIGHT AND RIGHT ANGLE THROUGH-HOLE ← (.025) [(0.64)] SQ. TYP. .253 .243 .390 [6.43] [6.17] [9.91] .100 [2.54] — SOLDER TAIL .112±.011 [2.84] FOR 02 VERSION .155±.011 [3.94] FOR 03 VERSION

SECTION B-B

		TABLE	1		
PIN QTY.	DIM. "A"	DIM. "B"		POLARIZING NOTCHES	PIN QTY.
06	.588 [14.94]	.508 [ 12.90 ]	.200 [5.08]	В	06
08	.688 [17.48]	.608 [ 15.44 ]	.300 [7.62]	В	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



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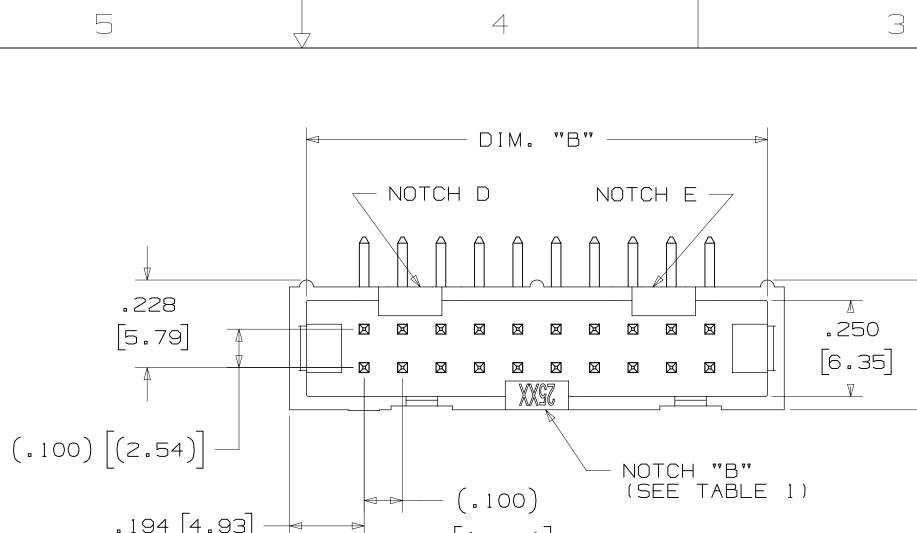
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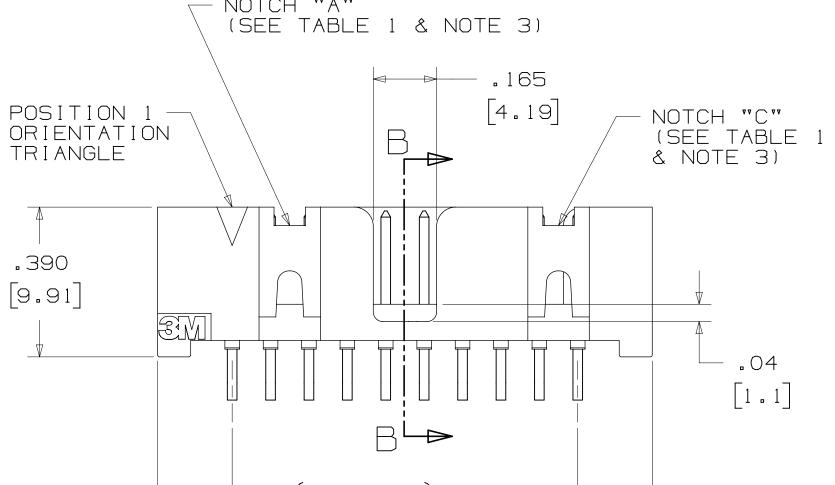
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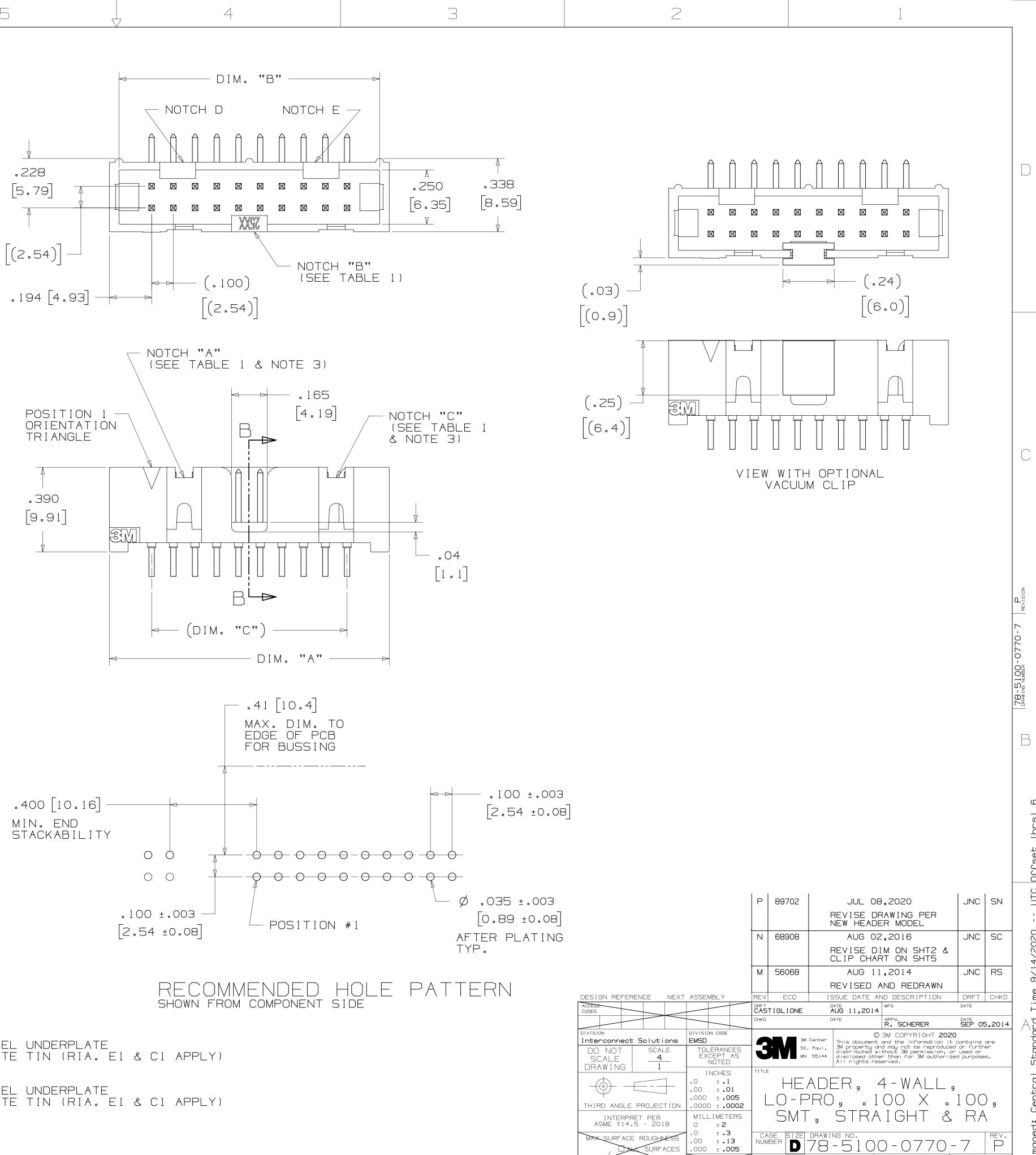
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50μ-150μ [1.27μm-3.81μm] NICKEL UNDERPLATE 40μ-120μ" [1.02μm-3.05μm] MATTE TIN (RIA. E1 & C1 APPLY)

50μ-150μ [1.27μm-3.81μm] NICKEL UNDERPLATE  $25\mu - 200\mu''$  [0.63µm-5.08µm] MATTE TIN (RIA. E1 & C1 APPLY)

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LISTS I YES X NO SHT 3 OF 6

2500 SERIES

3M<sup>™</sup> Four-Wall Header, 2500 series

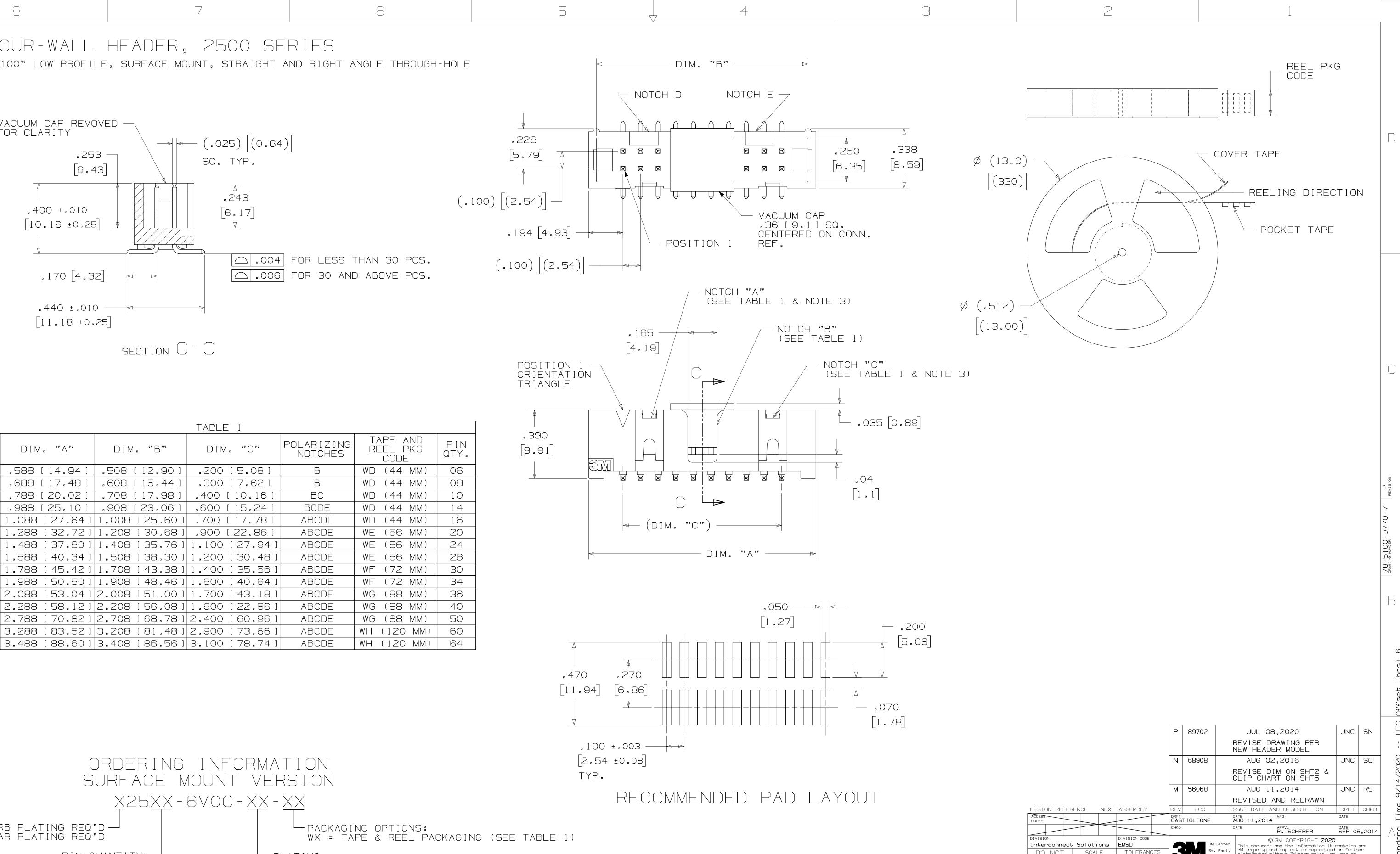
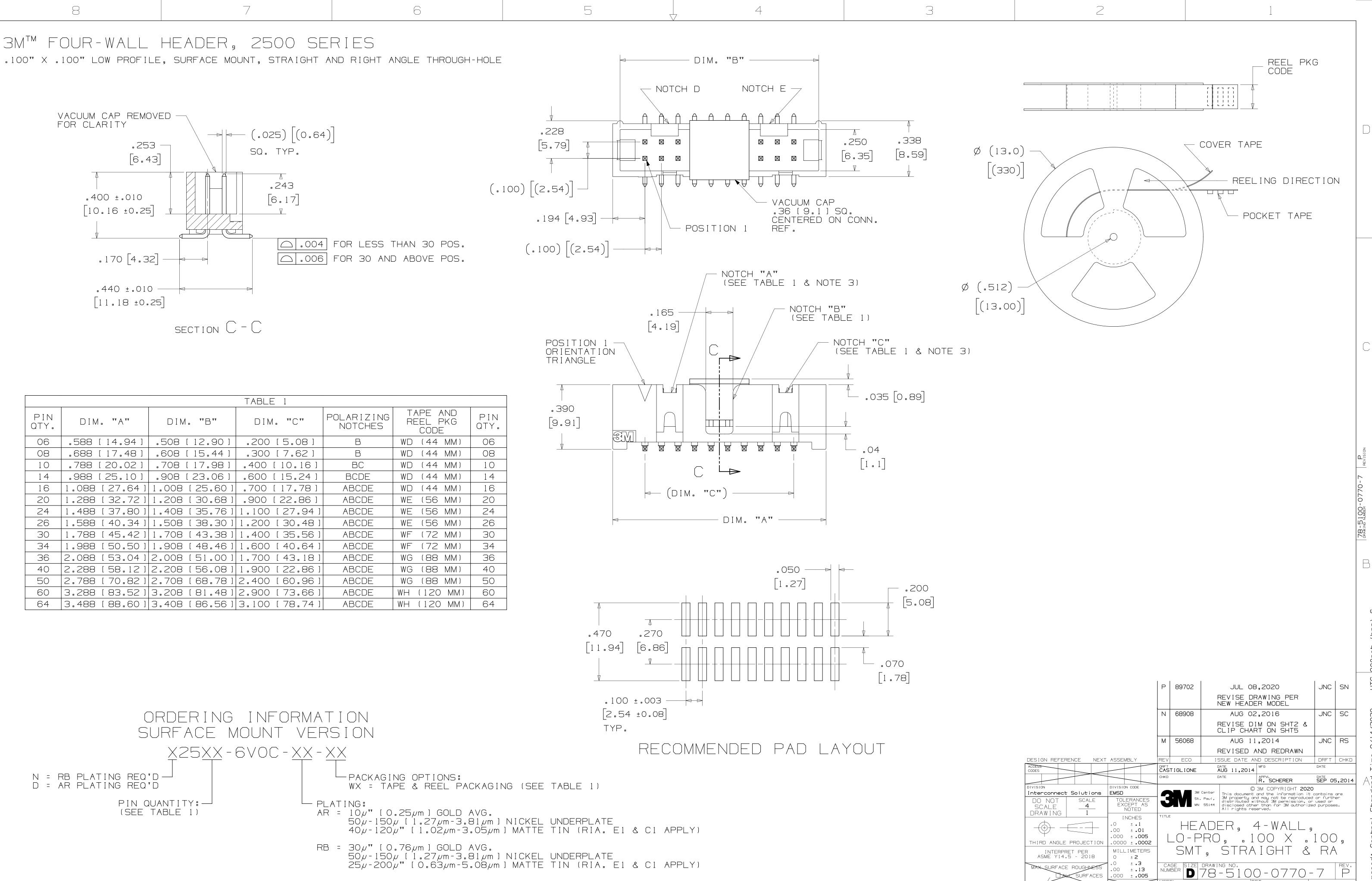


			TABLE 1			
PIN QTY.	DIM. "A"	DIM. "B"	DIM. "C"	POLARIZING NOTCHES	TAPE AND REEL PKG CODE	PIN QTY
06	.588 [ 14.94 ]	.508 [ 12.90 ]	.200 [5.08]	В	WD (44 MM)	06
08	.688 [ 17.48 ]	.608 [ 15.44 ]	.300 [7.62]	В	WD (44 MM)	80
10	.788 [20.02]	.708 [ 17.98 ]	.400 [ 10.16 ]	BC	WD (44 MM)	1 C
14	.988 [25.10]	.908 [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 [22.86]	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
	*	-	•	•		•



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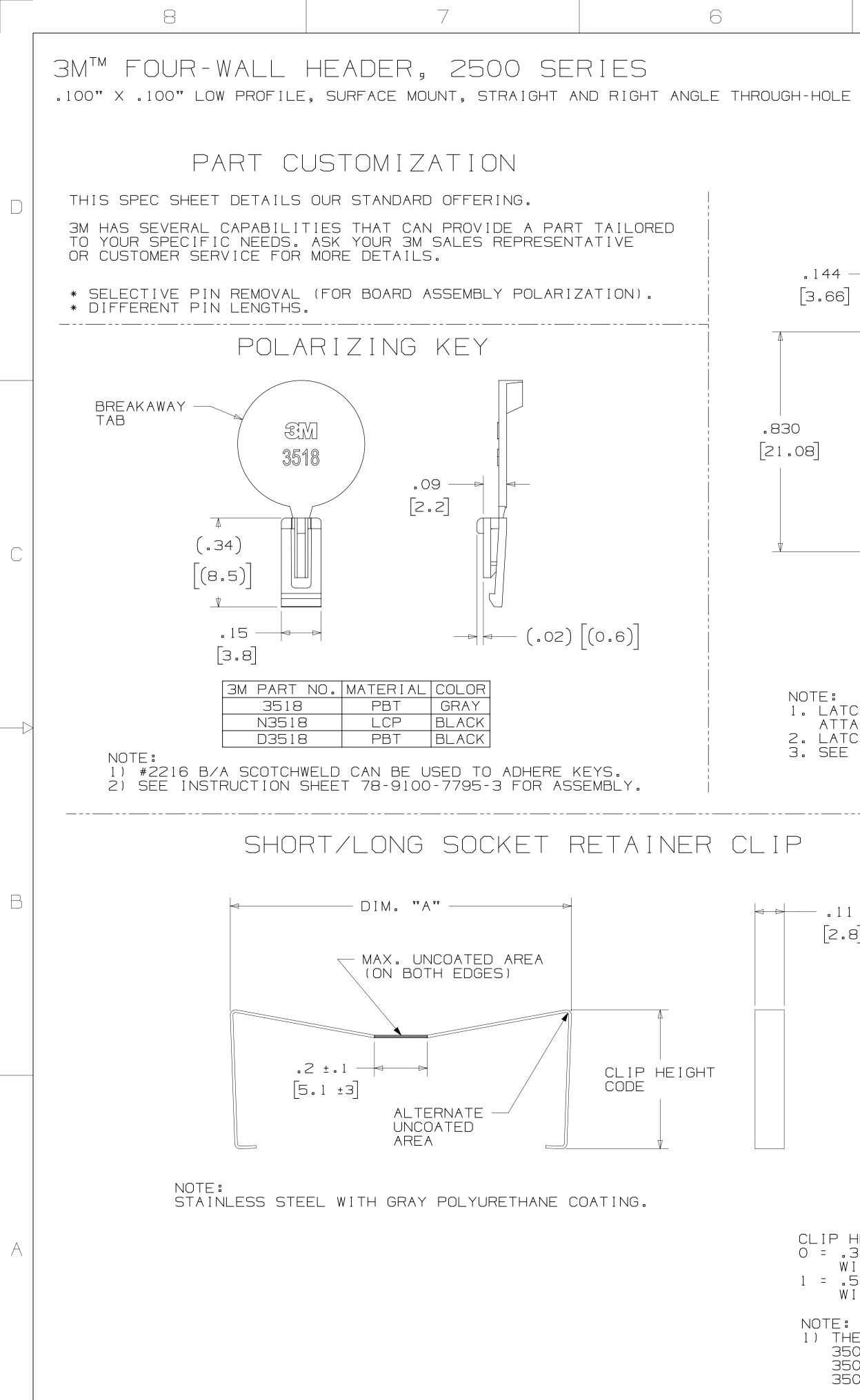
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		P	89702	JUL 08	,2020	JNC	SN
				REVISE DF NEW HEADE	AWING PER R MODEL		
		Ν	68908	AUG 02	,2016	JNC	SC
					M ON SHT2 & T ON SHT5		
		М	56068	AUG 11	,2014	JNC	RS
				REVISED A	ND REDRAWN		
DESIGN REFERENCE NEXT	ASSEMBLY	REV	ECO	ISSUE DATE AN	D DESCRIPTION	DRFT	CHKD
ACCESS CODES		DRFT	TIGLIONE	AUG 11,2014	MFG	DATE	
		снкр		DATE		DATE SEP 05	5,2014
DIVISION Interconnect Solutions DO NOT SCALE SCALE <u>4</u> 1	DIVISION CODE EMSD TOLERANCES EXCEPT AS NOTED	3	st.		3M COPYRIGHT <b>2020</b> and the information it d may not be reproduced thout 3M permission, or r than for 3M authorize erved.		are er 5.
DRAWING 1	INCHES	TITLE					
THIRD ANGLE PROJECTION	.0 ± .1 .00 ± .01 .000 ± .005 .0000 ± .0002		HE, 0-P	RO, 1		1 O C	) 9
THIRD ANGLE PROJECTION INTERPRET PER ASME Y14.5 - 2018	.00 ±.01 .000 ±.005 .0000 ±.0002 MILLIMETERS 0 ±2		HE, _0 - F SMT	RO, 1	00 X .	1 OC RA	) 9
INTERPRET PER	.00 ±.01 .000 ±.005 .0000 ±.0002 MILLIMETERS	CANUM	_0 - F SMT	PRO, .1 , STRA drawing no. 78-5100	00 X IGHT & )-0770-	1 OC RA 7	REV.
INTERPRET PER ASME Y14.5 - 2018 Max surface roughness	.00 ±.01 .000 ±.005 .0000 ±.0002 MILLIMETERS 0 ±2 .0 ±.3 .00 ±.13		_0 - F SMT	2RO, .1 , STRA drawing no. 78-5100	00 X . IGHT & <u>)-0770-</u>	1 ОС RA 7 БНТ 4	REV.



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LOW PROFILE LATCH POLARIZING POST . 144 ----> <u>204</u> 5.18 [3.00] .267 6.78 --⊳ - .043 **.**370 **.**573 [1.09] 9.40 [14.55] .082 Ø .030 .057 .118 [2.08] [0.76] [1.45] [3.00] PART NO. MATERIAL COLOR PART NO. MATERIAL COLOR 3201-3 PCT BLACK 3505-33B NYLON BLACK 1. LATCHES NOT COMPATIBLE WITH REFLOW SOLDERING. ATTACH LATCHES AFTER SOLDERING. 2. LATCHES ARE MEANT FOR RETENTION ONLY. 3. SEE LAST SHEET FOR ASSEMBLY.

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[2.8]

PIN QTY.	DIM. <sup>VV</sup> A <sup>VV</sup>							
06	NZA							
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	NZA							
40	2.33 [59.2]							
50	2.83 [71.9]							
60	3.33 [84.6]							
64	3.53 [89.7]							

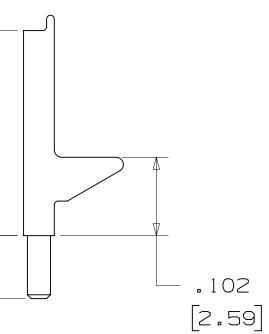
3505 - 8XXXCLIP HEIGHT CODE \_\_\_\_\_\_ O = .31 [7.9] FOR SOCKETS └─ PIN COUNT (SEE TABLE) WITHOUT STRAIN RELIEF 1 = .53 [ 13.5 ] FOR SOCKETS WITH STRAIN RELIEF 1) THE FOLLOWING RETAINER CLIPS HAVE BEEN DISCONTINUED: 3505-8064 3505-8124 3505-8150

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														-
						P	89702	2		JUL	08	,2020	JNC	SN
												AWING PER R MODEL		
						Ν	68908	3		AUG	02	,2016	JNC	SC
												M ON SHT2 & T ON SHT5		
				М	56068	3		AUG	1 1	,2014	JNC	RS		
									F	REVISED	D A	ND REDRAWN		
DESIGN REFERE	INCE	NEXT	ASSEM	BLY		REV	ECO		IS	SUE DATE	e an	DESCRIPTION	DRFT	СНКД
ACCESS CODES						DRFT	TIGLION	NE .	Ē	NUG 11,20	014	MFG	DATE	
						СНКД			D	DATE			SEP 05	5,2014
DIVISION Interconnect DO NOT SCALE	Interconnect Solutions         EMSD           DO NOT         SCALE         TOLERANCES				3		3M Cen St. Pa MN 55	ωl,	This docum 3M property distribute disclosed All rights	ient ( y and d wither	3M COPYRIGHT <b>2020</b> and the information it d may not be reproduced thout 3M permission, or - than for 3M authorized	contains	are er s.	
DRAWING	PROJEC		۱۱ 0. 00.	VCHES ± .1 ± .01 ± .00 ± .00		TITLE	HE _0 -	PF	RC	ER,	2	1-WALL, OO X .	1 O C	) ,
INTERPRET PER ASME Y14.5 - 2018 MAX SURFACE ROUGHNESS .0 ±.3 .00 ±.13							SIR Ng NO.	Α. 	IGHT &	RA 	REV.			
				± .00		MODE			Я	- 51(			- /	
		-	ANGLE	<u>~</u>	~		2500	SERI	ËS		LI	STS 🗆 YES 🛛 NO 🔤	5HT <b>5</b>	UF 6
		$\supset$										1		•

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## 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 or contact your 3M representative.

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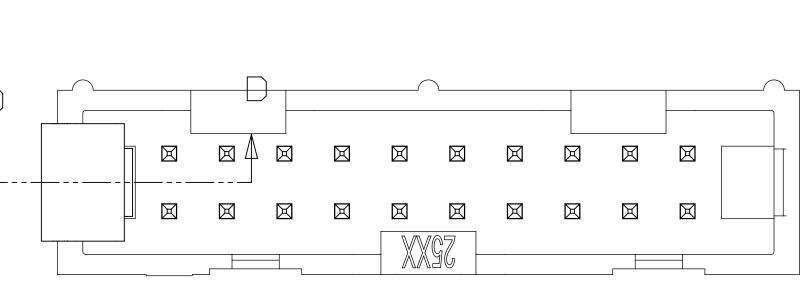
3M Company Electronics Materials Solutions Division 13011 McCallen Pass, Bldg. C Austin, TX 78753-5380 1-800-225-5373 www.3M.com/interconnect

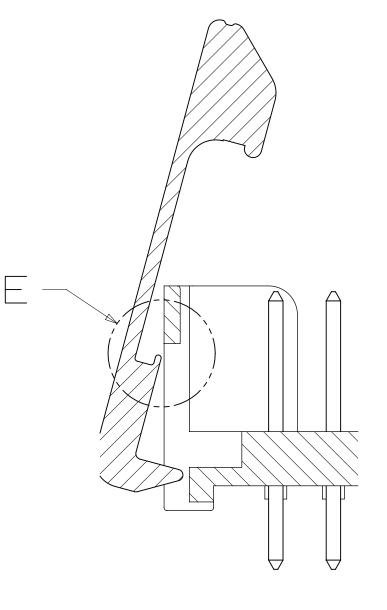
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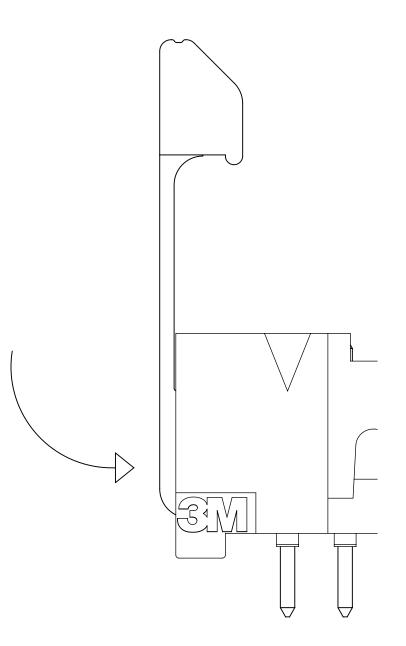
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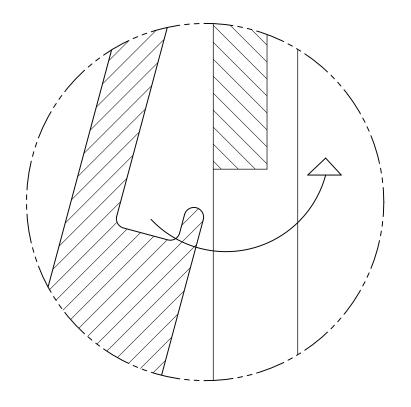
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SECTION D - D SCALE 6×



Detail 🗄 SCALE 20×

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

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		P	89702	JUL OE	3,2020	JNC	SN
				REVISE DF NEW HEADE	RAWING PER ER MODEL		
					2,2016	JNC	SC
					IM ON SHT2 & RT ON SHT5		
		М	56068	AUG 11	,2014	JNC	RS
				REVISED A	ND REDRAWN		
<b>`</b>	ASSEMBLY	REV	ECO	ISSUE DATE AN	ND DESCRIPTION	DRFT	СНКД
ACCESS CODES		DRFT CAST	TIGLIONE	DATE AUG 11,2014	MFG	DATE	
		СНКД		DATE		DATE SEP 05	5,2014
DIVISION Interconnect Solutions DO NOT SCALE SCALE <u>6</u>	DIVISION CODE EMSD TOLERANCES EXCEPT AS NOTED	3		Center This document	3M COPYRIGHT <b>2020</b> and the information it ad may not be reproduced thout 3M permission, or r than for 3M authorize served.	contains	
DRAWING 1 THIRD ANGLE PROJECTION	INCHES .0 ± .1 .00 ± .01 .000 ± .005 .0000 ± .0002	TITLE		ADER, 4 Pro, 1	4-WALL, 00 X .	1 O C	) ,
INTERPRET PER ASME Y14.5 - 2018	MILLIMETERS 0 ± 2		SMT	, STRA	IGHT &	RA	Λ
MAX SURFACE ROUGHNESS	.0 ±.3 .00 ±.13 .000 ±.005	CAC NUME	BER <b>D</b>	78-5100	)-0770-	7	P.
MARKED ONLY	ANGLES	MODE	<sup>EL</sup> 2500 SE		ET. Ists □yes⊠no S	SHT 6	OF 6
					1		T

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 02.125.8002.8

 609-3404
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 622-0430
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 636-3427
 636-4007
 641938-9
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 70-4210
 70-4226B
 70-4853B
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 707 

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 71961-016LF
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 733-162
 754199-000
 760-3052
 787-8014-00
 79531-3000
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