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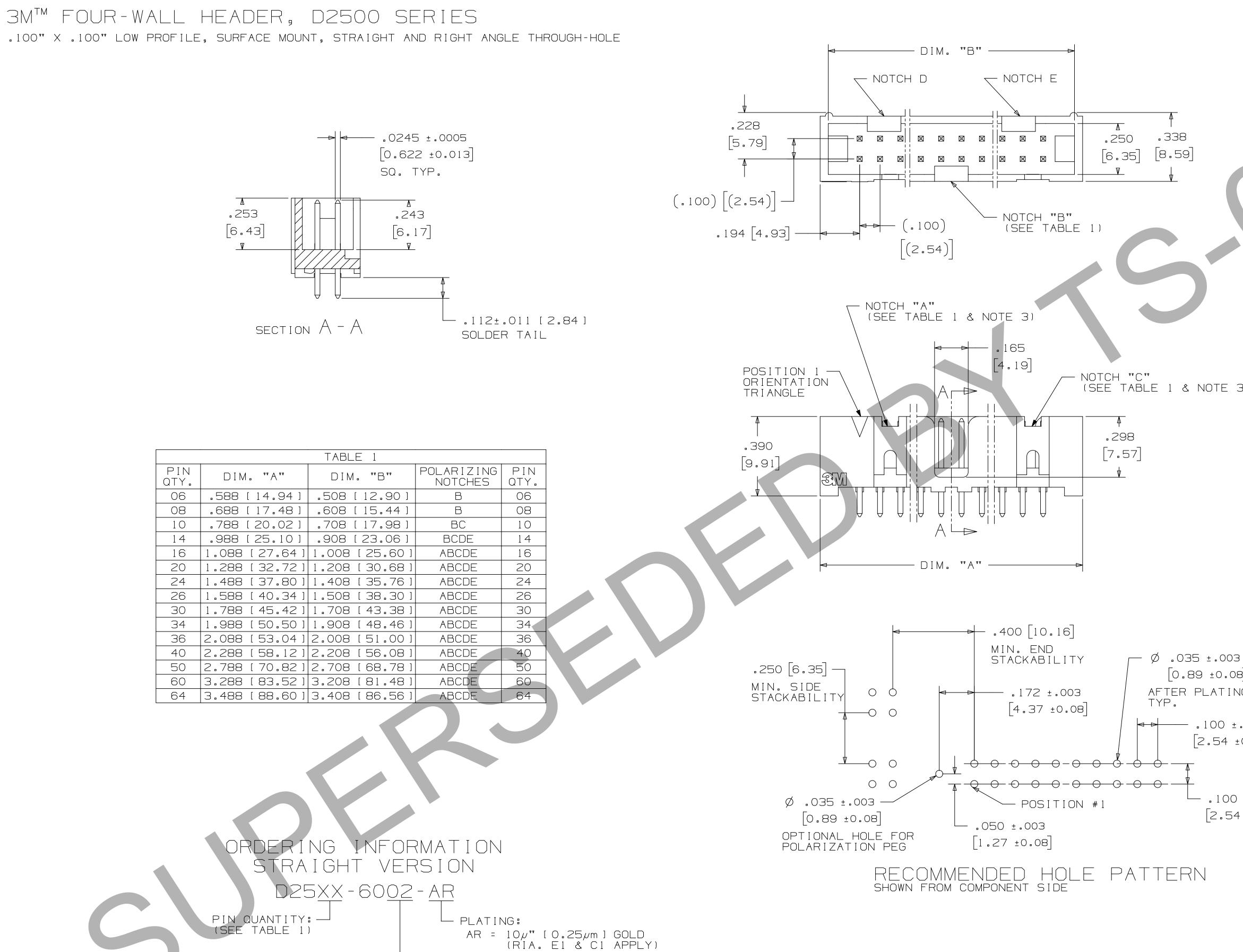
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OLE		 CENTER SL INSERTION DUAL SLOT POLARIZAT OPTIONAL CONNECTIONAL CONNECTIONAL HIGH TEMP THROUGH F TECHNIQUE EXPOSED S AND REDUCT 	N TIME. T POLARIZATION MEANS E TION DESIGNS (NOT AVAI RETAINER CLIP FOR LOC ON RELIABILITY IN VIBF PERATURE INSULATOR SUI HOLE VERSION SUITABLE ES.	NTS MIS-INSERTIONS AND RED ROADER COMPATIBILITY WITH LABLE ON 6, 8 OR 10 POSITI KING SOCKETS IN PLACE AND ATION-PRONE ENVIRONMENTS. TABLE FOR "NO LEAD" SOLDER FOR REFLOW SOLDERING USING
	M. FLAMM. M. UNDER WIPI	SULATOR: ATERIAL: HIC ABILITY: ULS COLOR: BL/ CONTACT: ATERIAL: BR/ PLATING: 50 NG AREA: 10/	ACK ASS -100µ'' [1.27-2.54µm] N u'' [25µM] GOLD	
	INSULATION RESI WITHSTANDING V 2 ENVIRONMEN TEMPERATURE	RATING: 5.00 3.00 1.75 RAT TEMF 3M F CUR STANCE: >1 > OLTAGE: 1,00 TAL: RATING: -55 RATING: -55	PERATURE RISE, 20% DEF PRODUCT SPECIFICATION VES. X 10 ⁹ Ω AT 500 V _d OOV _{RMS} AT SEA LEVEL °C TO 105°C °C, PER J-STD-020C, SI	RED 34-070 METHOD 2, 30°C MAXIM Rated. Reference appropriat for detailed current derat



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C IOI II RII G	CES DMPETITIVE NS). NCREASING NG OPERATIONS. "PASTE IN HOLE" E OF CLEANING	1.	NOTES REGULATORY INFORMATION: ROHS COMPLIANT. SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF WWW.3MCONNECTORS.COM FOR COMPLIANCE INFORMATION. IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT. NOTCHES A & C WILL ACCOMODATE 3M POLARIZING KEY: N3518. CONTACT TAILS .0245 [.622] WIRE WITH .0075 [.191] CORNER RADII AND .028 [.072] DIAGONAL. SOLDER STANDOFFS FACILITATE .01 [.3] CLEARANCE ABOVE BOARD FOR REFLOW SOLDERING.	
ON				С
TE				78-5100-2244-1 REVISION
	IENSIONS: INCHES [MM] ISREF. ONLY DESIGN REFERENCE NEXT ASSEMBLY ACCESS ONLY DIVISION DIVISION CODE Interconnect Solutions DIVISION CODE DO NOT SCALE SCALE 4 DRAWING INCHES OO total THIRD ANGLE PROJECTION OOOOO ± INTERPRET PER SURFACE ASME Y14.5 - 2009 MILLIMETERS O t.3 OO t.13 OOO ± ANGLES	REV	D 78-5100-2244-1 H	Α.



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TABLE 1							
PIN QTY.		DIM. "B"	POLARIZING NOTCHES	PIN qty.			
06	.588 [14.94]	.508 [12.90]	В	06			
80	.688 [17.48]	.608 [15.44]	В	08			
10	.788 [20.02]	.708 [17.98]	BC	10			
14	.988 [25.10]	.908 [23.06]	BCDE	14			
16	1.088 [27.64]	1.008 [25.60]	ABCDE	16			
20	1.288 [32.72]	1.208 [30.68]	ABCDE	20			
24	1.488 [37.80]	1.408 [35.76]	ABCDE	24			
26	1.588 [40.34]	1.508 [38.30]	ABCDE	26			
30	1.788 [45.42]	1.708 [43.38]	ABCDE	30			
34	1.988 [50.50]	1.908 [48.46]	ABCDE	34			
36	2.088 [53.04]	2.008 [51.00]	ABCDE	36			
40	2.288 [58.12]	2.208 [56.08]	ABCDE	40			
50	2.788 [70.82]	2.708 [68.78]	ABCDÉ	50			
60	3.288 [83.52]	3.208 [81.48]	ABCDE	60			
64	3.488 [88.60]	3.408 [86.56]	ABCDE	64			

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SOLDER TAIL: For .062 [1.57] THICK BOARD

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3M™ FOUR-WALL HEADER, D2500 SERIES .100" X .100" LOW PROFILE, SURFACE MOUNT, STRAIGHT AND RIGHT ANGLE THROUGH-HOLE .0245 ±.0005 [0.622 ±0.013] SQ. TYP. .253 **.**243 .390 6.43 6.17 [9.91] .100 [2.54] — .112±.011 [2.84] SOLDER TAIL SECTION B-B TABLE 1 POLARIZING PIN NOTCHES QTY. PIN qty. DIM. "B" .588 [14.94] .508 [12.90] 06 06 В .688 [17.48] .608 [15.44] 80 80 В

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10 .788 [20.02] .708 [17.98] BC 1 O .988 [25.10] .908 [23.06] 14 BCDE 14 16 16 1.088 [27.64] 1.008 [25.60 ABCDE 20 1.288 [32.72] 1.208 [30.68 ABCDE 20 24 24 1.488 [37.80] 1.408 [35.76] ABCDE 26 ABCDE 26 1.588 [40.34] 1.508 [38.30] 1.788 [45.42] 1.708 [43.38 ABCDE 30 30 34 34 1.988 [50.50] 1.908 [48.46 ABCDE 36 2.088 [53.04] 2.008 [51.00 ABCDE 36 40 2.288 [58.12] 2.208 [56.08 ABCDE 40 50 50 2.788 [70.82] 2.708 [68.78 ABCDE 60 3.288 [83.52] 3.208 [81.48] ABCDE 60 64 64 3.488 [88.60] 3.408 [86.56] ABCDE

ORDERING INFORMATION RIGHT ANGLE VERSION

D25XX-5002-AR PIN QUANTITY: PLATING: (SEE TABLE 1) AR = 104

SOLDER TAIL: _____ For .062 [1.57] THICK BOARD

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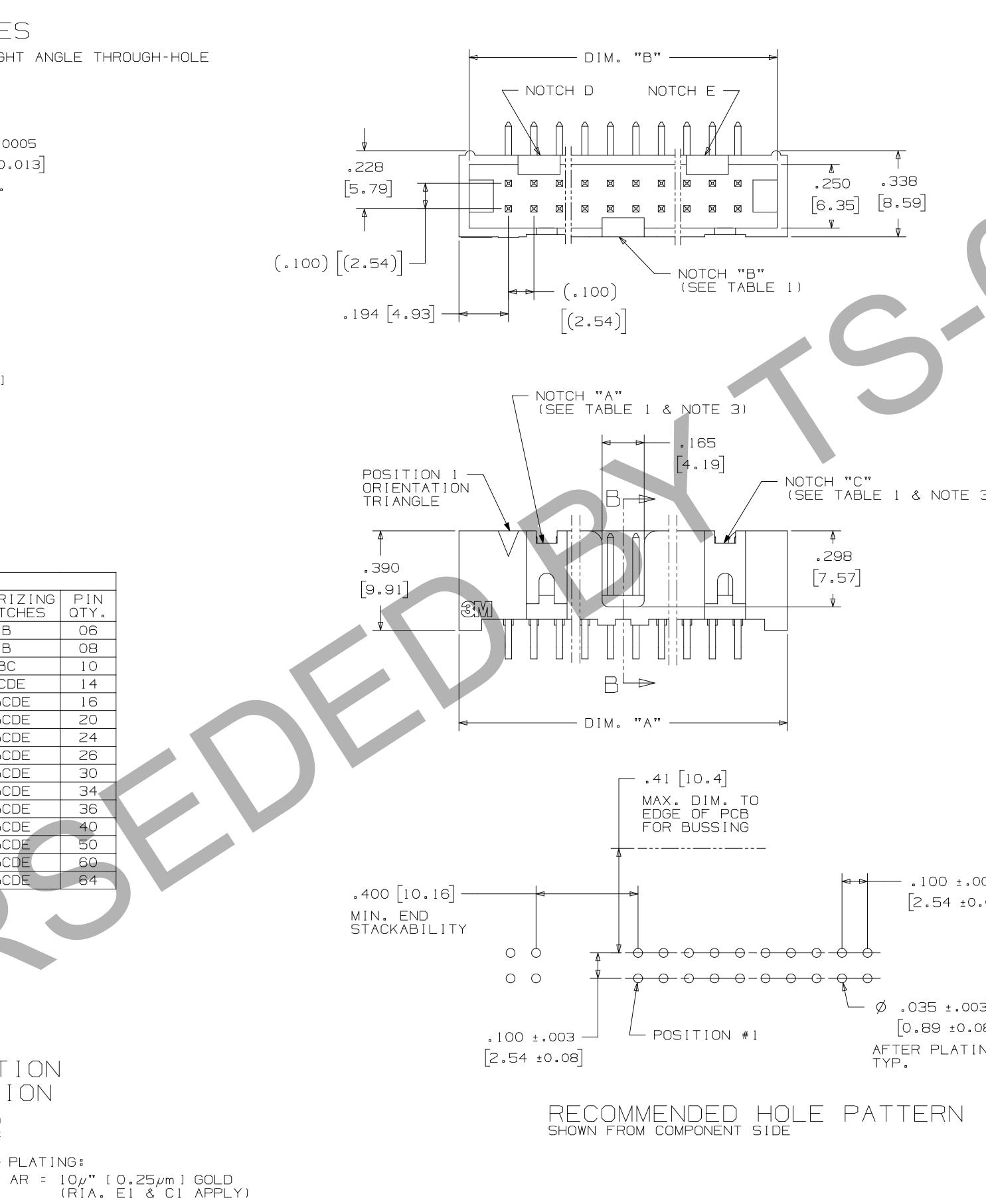
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3M™ FOUR-WALL HEADER, D2500 SERIES .100" X .100" LOW PROFILE, SURFACE MOUNT, STRAIGHT AND RIGHT ANGLE THROUGH-HOLE VACUUM CAP REMOVED — For clarity .0245 ±.0005 [0.622 ±0.013] .253 – [6.43] SQ. TYP. <u>2</u>43 .400 ±.010 [6.17] [10.16 ±0.25] ∇ .004 FOR LESS THAN 30 POS. .170 [4.32] -.006 FOR 30 AND ABOVE POS. .440 ±.010 -[11.18 ±0.25] SECTION C - C

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	TABLE 1						
PIN QTY.	DIM. "A"	DIM. "B"	POLARIZING NOTCHES	TAPE AND REEL PKG CODE	(
06	.588 [14.94]	.508 [12.90]	В	WD (44 MM)			
08	.688 [17.48]	.608 [15.44]	В	WD (44 MM)			
10	.788 [20.02]	.708 [17.98]	BC	WD (44 MM)			
14	.988 [25.10]	.908 [23.06]	BCDE	WD (44 MM)			
16	1.088 [27.64]	1.008 [25.60]	ABCDE	WD (44 MM)			
20	1.288 [32.72]	1.208 [30.68]	ABCDE	WE (56 MM)			
24	1.488 [37.80]	1.408 [35.76]	ABCDE	WE (56 MM)			
26	1.588 [40.34]	1.508 [38.30]	ABCDE	WE (56 MM)			
30	1.788 [45.42]	1.708 [43.38]	ABCDE	WF (72 MM)			
34	1.988 [50.50]	1.908 [48.46]	ABCDE	WF (72 MM)			
36	2.088 [53.04]	2.008 [51.00]	ABCDE	WG (88 MM)			
40	2.288 [58.12]	2.208 [56.08]	ABCDE	WG (88 MM)			
50	2.788 [70.82]	2.708 [68.78]	ABCDE	WG (88 MM)			
60	3.288 [83.52]	3.208 [81.48]	ABCDE	WH (120 MM)			
64	3.488 [88.60]	3.408 [86.56]	ABCDE	WH (120 MM)			



PIN QUANTITY:-(see table 1)

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

- PLATING: AR = 10μ" [0.25μm] GOLD (RIA. E1 & C1 APPLY)

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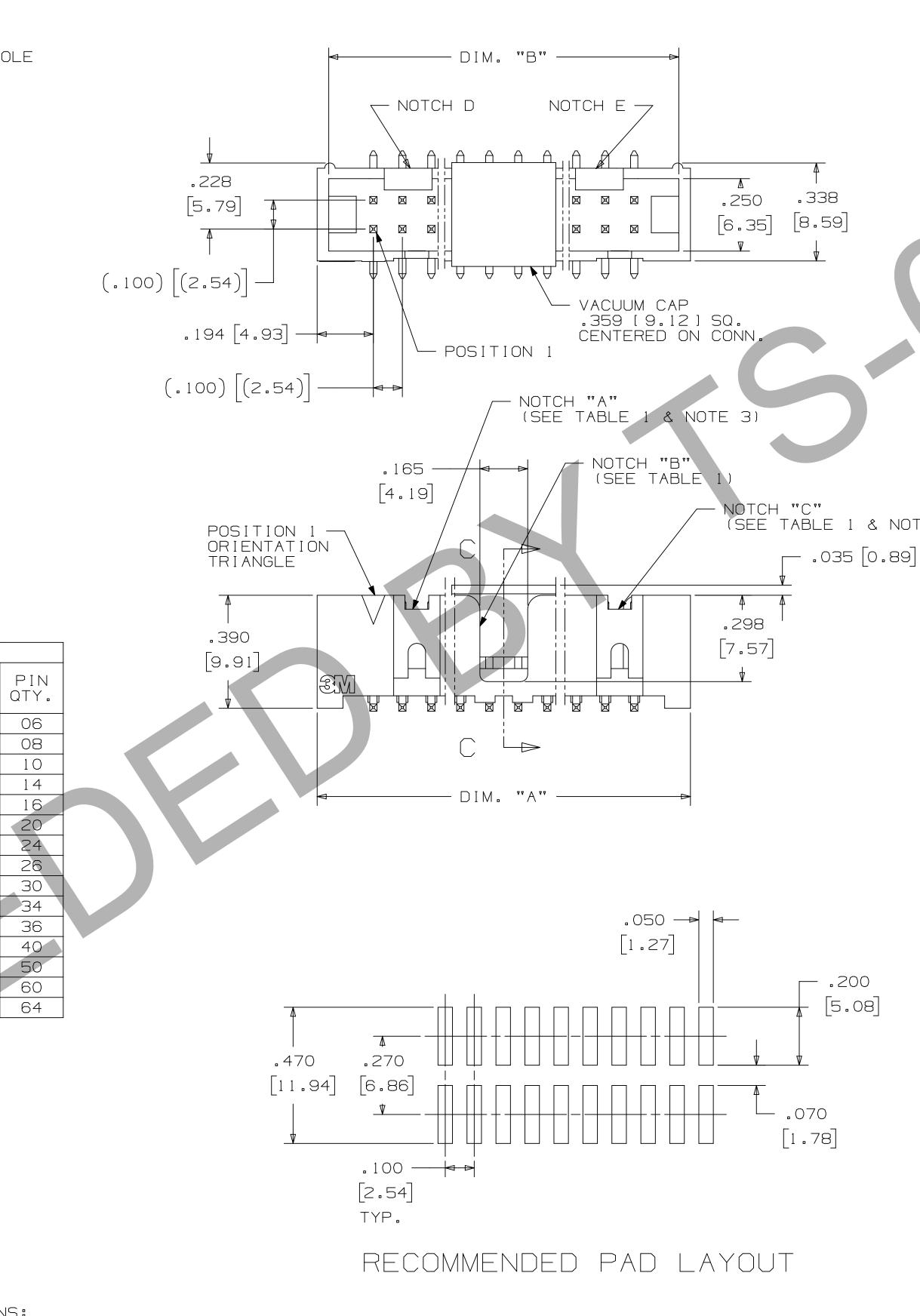
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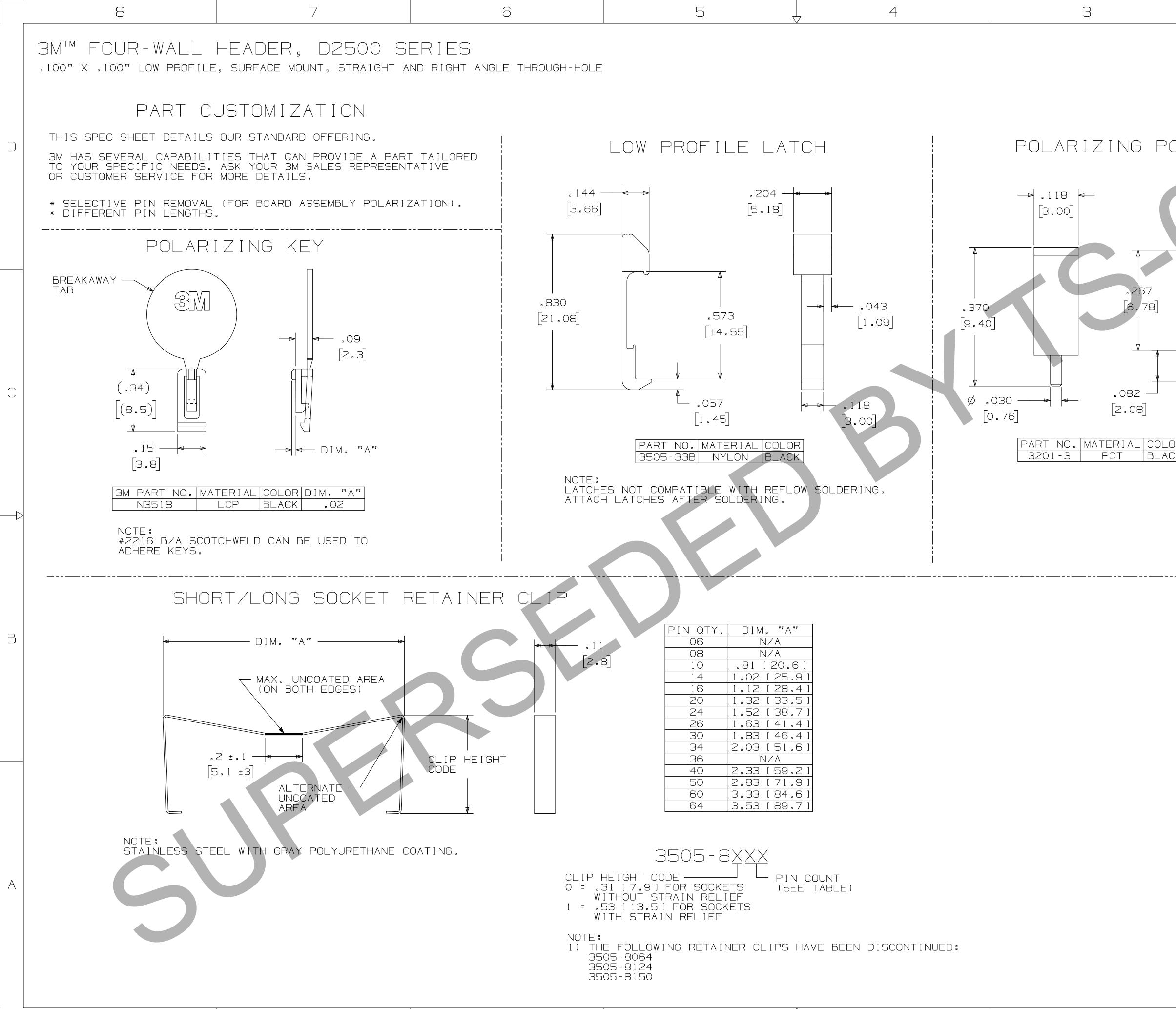
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PIN QTY.	DIM. "A"
06	N/A
08	N/A
10	.81 [20.6]
14	1.02 [25.9]
16	1.12 [28.4]
20	1.32 [33.5]
24	1.52 [38.7]
26	1.63 [41.4]
30	1.83 [46.4]
34	2.03 [51.6]
36	N/A
40	2.33 [59.2]
50	2.83 [71.9]
60	3.33 [84.6]
64	3.53 [89.7]

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