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	5	4	3	2	1	_
IOLE	* CENT INSE * DUAL POLA * OPTI CONN * HIGH * THRO TECH * EXPO AND	RTION TIME. SLOT POLARIZATION ME RIZATION DESIGNS (NOT ONAL RETAINER CLIP FO ECTION RELIABILITY IN TEMPERATURE INSULATO UGH HOLE VERSION SUIT	PREVENTS MIS-INSERTIONS AND REDU EANS BROADER COMPATIBILITY WITH C T AVAILABLE ON 6, 8 OR 10 POSITIO OR LOCKING SOCKETS IN PLACE AND I N VIBRATION-PRONE ENVIRONMENTS. OR SUITABLE FOR "NO LEAD" SOLDERI TABLE FOR REFLOW SOLDERING USING RIGHT ANGLE VERSION) PROVIDE EAS	COMPETITIVE DNS). NCREASING NG OPERATIONS. "PASTE IN HOLE"	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 CONTACT TAILS .0245 [.622] WIRE WITH .0075 [.191] CORNER RADII AND .028 [.072] DIAGONAL. 5 SOLDER STANDOFFS FACILITATE .01 [.3] CLEARANCE ABOVE BOARD FOR REFLOW SOLDERING.	
	FLAMMABILITY COLOR CONTACT MATERIAL PLATING UNDER PLATING WIPING AREA SOLDER TAILS	HIGH TEMPERATURE GL UL94V-O BLACK COPPER ALLOY NICKEL UNDERPLATE GOLD (SEE ORDERING MATTE TIN (SEE ORDE		I TRIANGLE		C
	INSULATION RESISTANCE: WITHSTANDING VOLTAGE: 2 ENVIRONMENTAL : TEMPERATURE RATING:	5.00A, 1 CONTACT POW 3.00A, 6 CONTACTS PO 1.75A, ALL CONTACTS RATING CONDITIONS: E TEMPERATURE RISE, 20 3M PRODUCT SPECIFICA CURVES. >1 X 10 $^{9}\Omega$ AT 500 V _{DC} 1,000V _{RMS} AT SEA LEVE -55°C TO 105°C 260°C, PER J-STD-020	OWERED POWERED EIA-364-070 METHOD 2, 30°C MAXIMU 0% DERATED. REFERENCE APPROPRIATE ATION FOR DETAILED CURRENT DERATI	-		78-5100-0770-7 S



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		1	S	0100884		NOV 03	2021	LDS		1
			D	0100004			ATCH AND P/N	LDS	I JR	1
		-	_	07000						1
			R	97909	_	JUN 22	-	JNC	SAN	
					F		RDERING INFO			1
			Ρ	89702		JUL 08	,2020	JNC	SN	1
						REVISE DF NEW HEADE	RAWING PER ER MODEL			
			Ζ	68908		AUG 02	,2016	JNC	SC	1
							M ON SHT2 & RT ON SHT5			1
	MENSIONS: INCHE 1] IS REF. ONLY		М	56068		AUG 11	,2014	JNC	RS	1
LIVIIV					F	REVISED A	ND REDRAWN			1
	DESIGN REFERENCE NEXT	ASSEMBLY F	REV	ECO			D DESCRIPTION	DRFT	CHKD	I
	ACCESS CODES		DRFT CAS	TIGLIONE	Ē	AUG 11,2014	MFG	DATE		1
			СНКД			DATE		SEP 05	5,2014	
	DIVISION Interconnect Solutions	DIVISION CODE			Center		3M COPYRIGHT 2021			/
	DO NOT SCALE SCALE <u>4</u>	TOLERANCES EXCEPT AS NOTED	3	st.	. Paul, 55144	This document 3M property an distributed wi disclosed othe All rights res	and the information it of d may not be reproduced thout 3M permission, or r than for 3M authorized erved.	contains or furth used or d purpose	are er s.	l
	DRAWING 1	INCHES	TITLE			·				1
		.0 ± .1		HE,	ADE	ER, 4	1-WALL,			1
	THIRD ANGLE PROJECTION	.000 ±.005 .0000 ±.0002	L	_0-F	PRC), .1	00 X .	1 O C) 9	
	INTERPRET PER ASME Y14.5 - 2018	MILLIMETERS O ± 2		SMT	9	STRA	IGHT &	RA	١	
8080	MAX SURFACE ROUGHNESS	.0 ±.3 .00 ±.13 .000 ±.005		IBER SIZE	drawi 78	^{NG NO.})-0770-	7	REV.	
	MARKED ONLY	ANGLES	MODI	EL 2500		DE	ET. Ists □yes⊠no S	HT 1	OF 6	
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3M[™] Four-Wall Header, 2500 series .100" X .100" LOW PROFILE, SURFACE MOUNT, STRAIGHT AND RIGHT ANGLE THROUGH-HOLE

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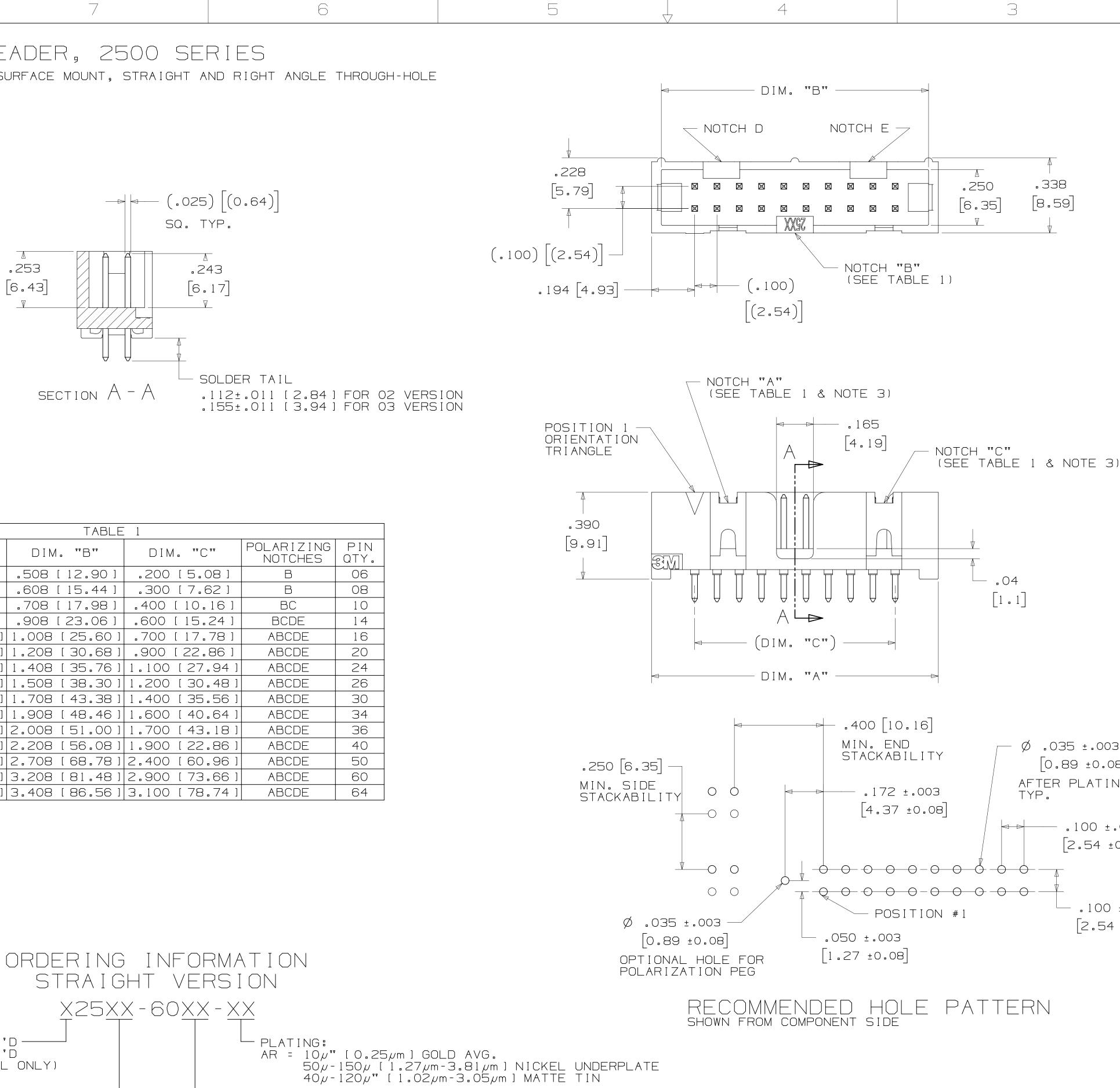
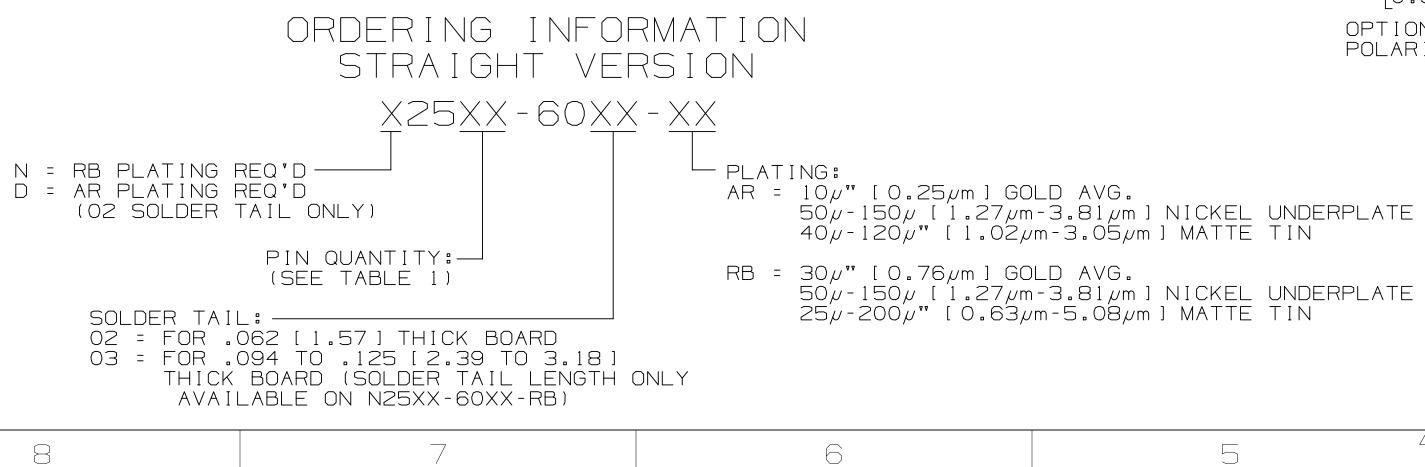


TABLE 1							
PIN QTY.	DIM. "A"	DIM. "B"		POLARIZING NOTCHES	PIN QTY.		
06	.588 [14.94]	.508 [12.90]	.200 [5.08]	В	06		
08	.688 [17.48]	.608 [15.44]	.300 [7.62]	В	08		
10	.788 [20.02]	.708 [17.98]	.400 [10.16]	BC	10		
14	.988 [25.10]	.908 [23.06]	.600 [15.24]	BCDE	14		
16	1.088 [27.64]	1.008 [25.60]	.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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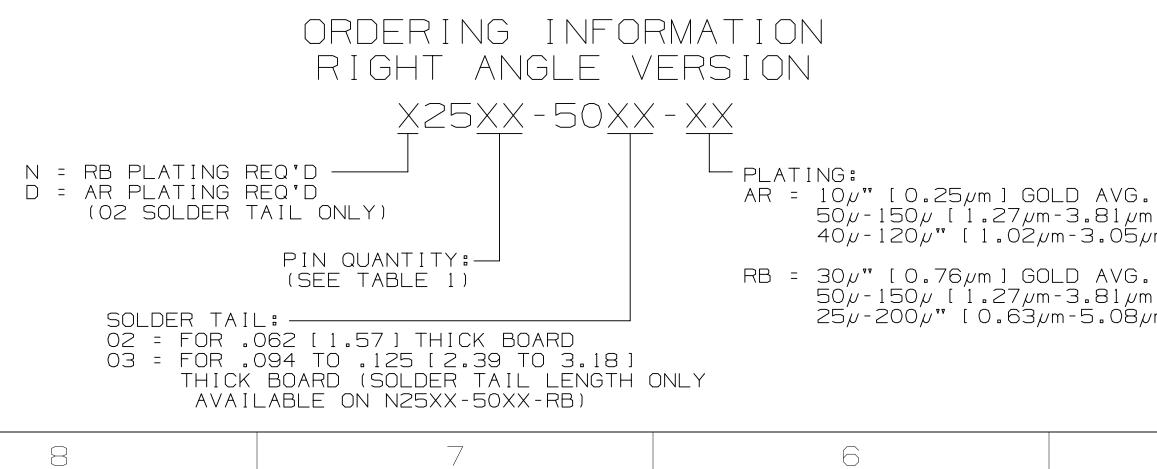
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)
DOLARI SEE LAS FOR A F	W WITH OPTIONAL IZING POST 3201-3 ST SHEET, DETAIL E REFERENCE ON PLACEMENT T LIP ON BODY	
3	B-5100-0770-7	}
NG .003 ±0.08] ±.003 ±0.08] DESIGN REFERENCE NEXT ASSEMBLY	S 0100884 NOV 03,2021 LDS FJR CHANGED LATCH AND P/N CHANGED LATCH AND P/N IDS FJR R 97909 JUN 22,2021 JNC SAN P 89702 JUL 08,2020 JNC SN P 89702 JUL 08,2020 JNC SN N 68908 AUG 02,2016 JNC SC N 68908 AUG 02,2016 JNC SC M 56068 AUG 11,2014 JNC RS REV ISED AND REDRAWN REV ISED AND REDRAWN AUG RS REV ECO ISSUE DATE AND DESCRIPTION DRFT CHKD DHTE DATE MFG DATE	d Time 11/5/2021 UTC Offset (hrs) 6
DIVISION DO NOT SCALE DRAWING THIRD ANGLE PROJECTION INTERPRET PER ASME Y14.5 - 2018 MAX SURFACE ROUGHNESS MAX SURFACE ROUGHNESS MAX SURFACE NOUGHNESS MAX SURFACE NOUGHNESS MAX SURFACE SURFACES MAX SURFACE SURFACES MAX SURFACE SURFACES MAX SURFACE SURFACES MAX SURFACE SURFACES MAX SURFACE SURFACES MAX SURF	HEADER, 4-WALL, LO-PRO, 100 X 100, SMT, STRAIGHT & RA	Imaged: Central Standard

3M[™] 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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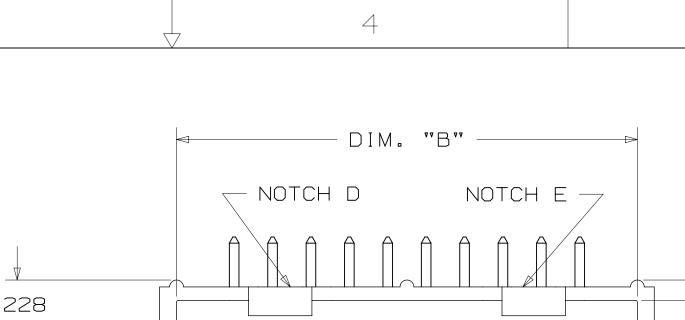
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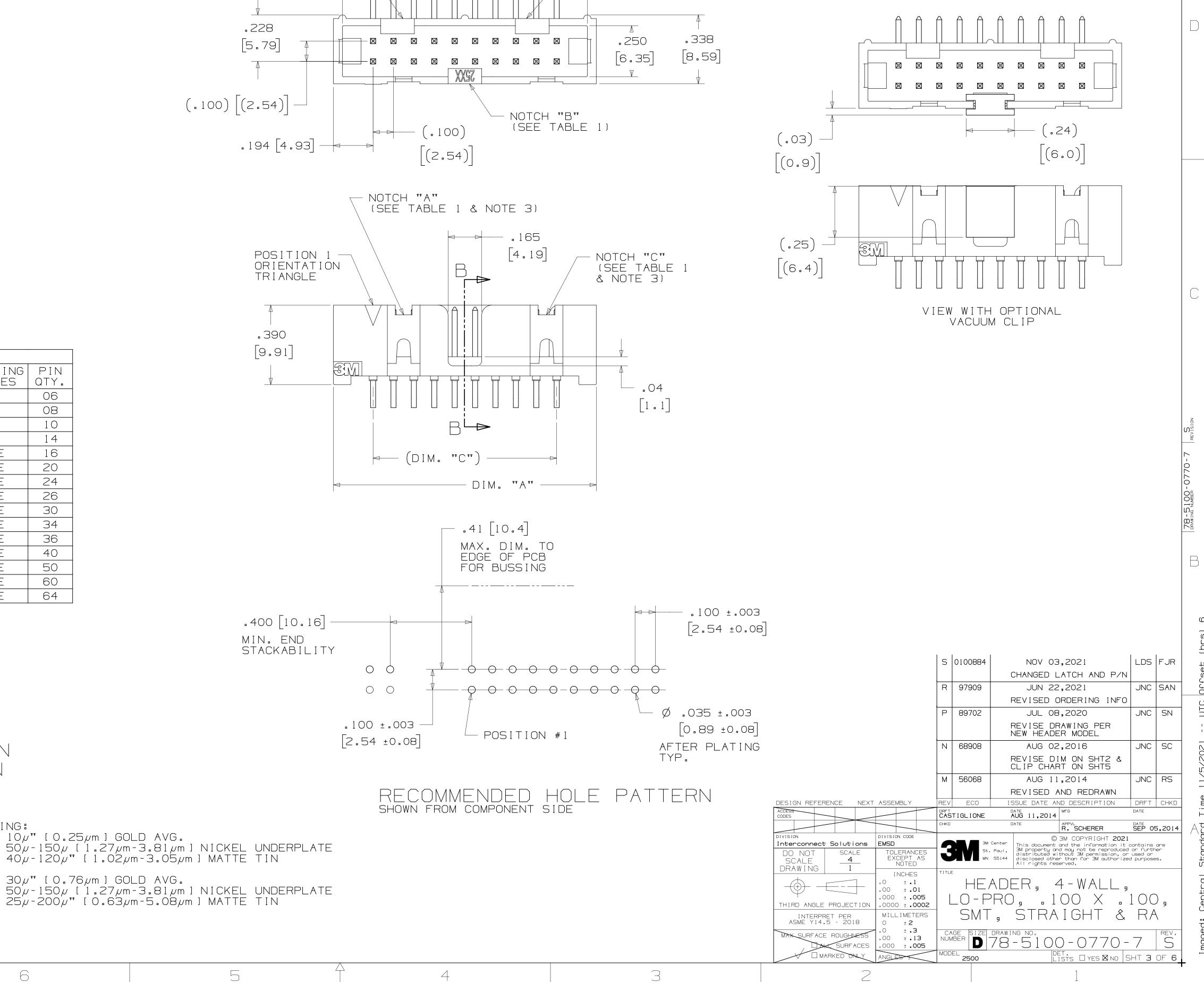
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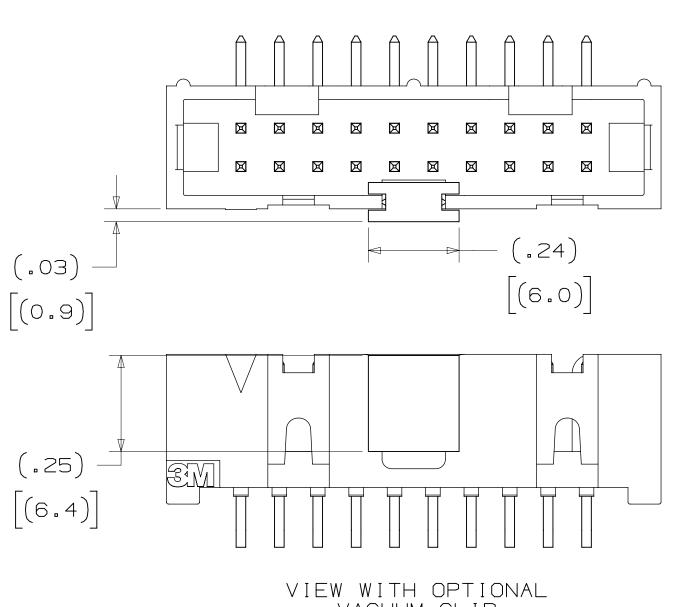


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50μ-150μ [1.27μm-3.81μm] NICKEL UNDERPLATE $25\mu - 200\mu''$ [0.63 μ m - 5.08 μ m] MATTE TIN



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3M[™] Four-Wall Header, 2500 series .100" X .100" LOW PROFILE, SURFACE MOUNT, STRAIGHT AND RIGHT ANGLE THROUGH-HOLE

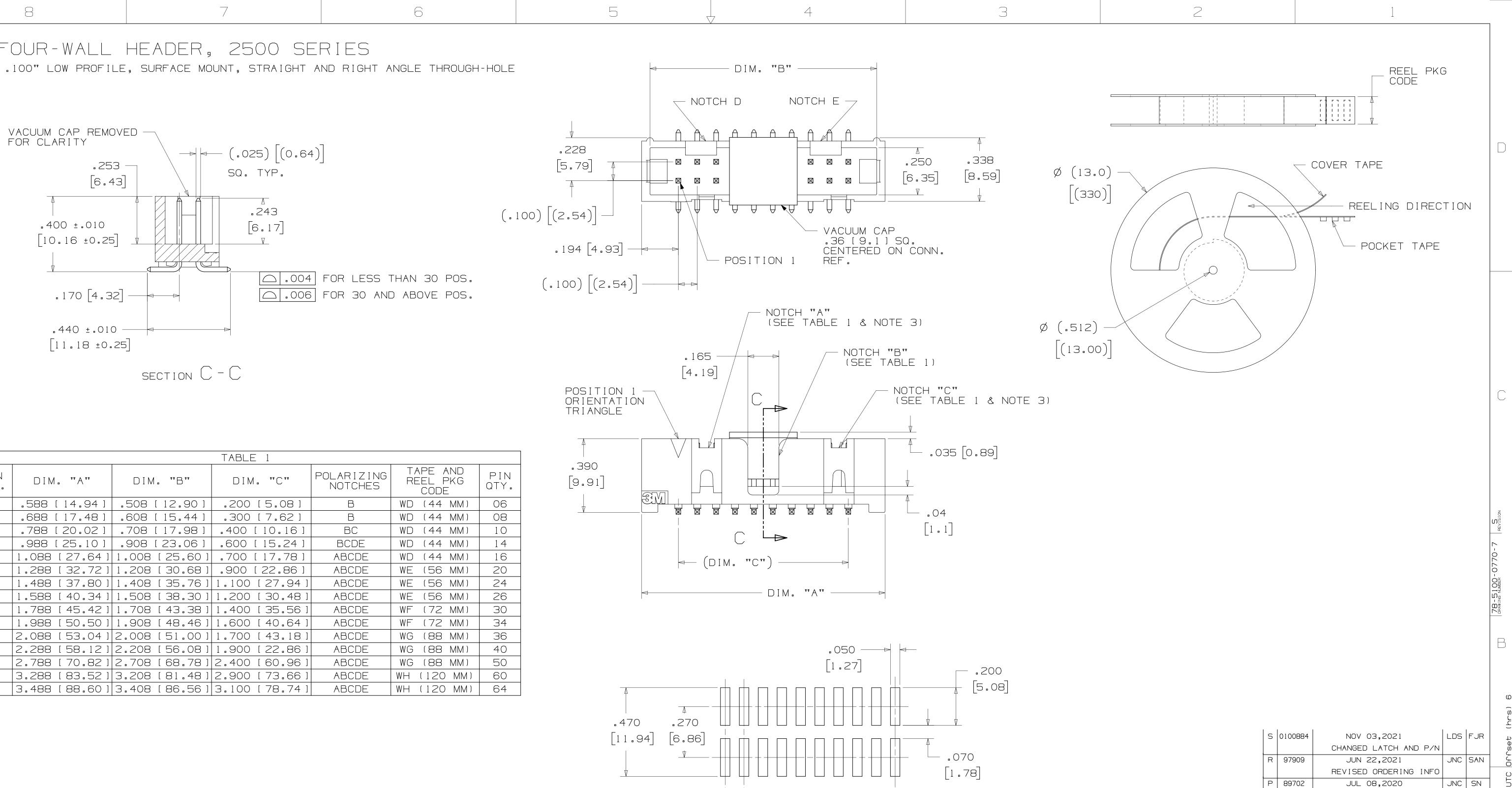
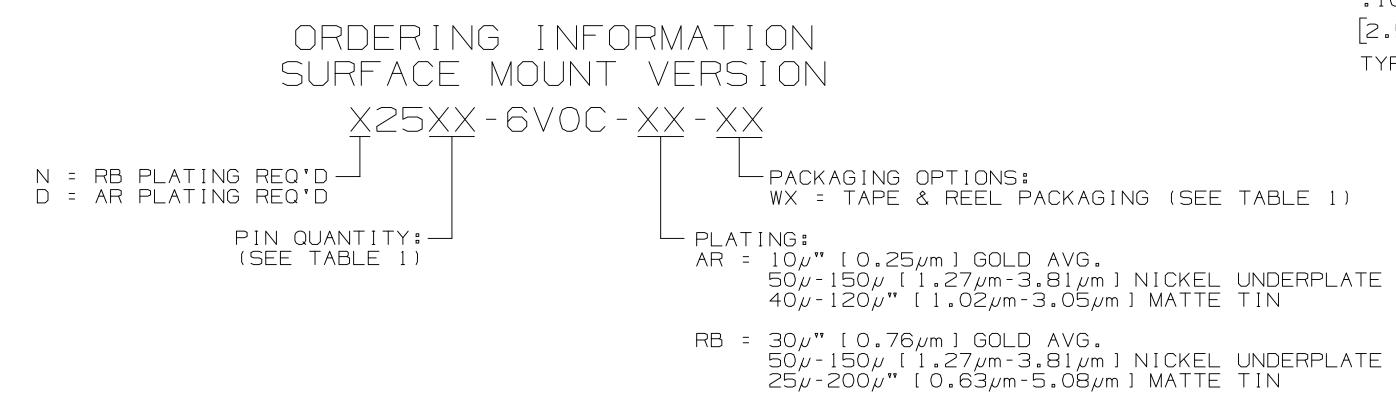


			TABLE 1			
PIN QTY.	DIM. "A"	DIM. "B"	DIM. "C"	POLARIZING NOTCHES	TAPE AND REEL PKG CODE	PIN QTY
06	.588 [14.94]	.508 [12.90]	.200 [5.08]	В	WD (44 MM)	06
08	.688 [17.48]	.608 [15.44]	.300 [7.62]	В	WD (44 MM)	80
10	.788 [20.02]	.708 [17.98]	.400 [10.16]	BC	WD (44 MM)	1 C
14	.988 [25.10]	.908 [23.06]	.600 [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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В

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RECOMMENDED PAD LAYOUT

.100 ±.003 -----

[2.54 ±0.08]

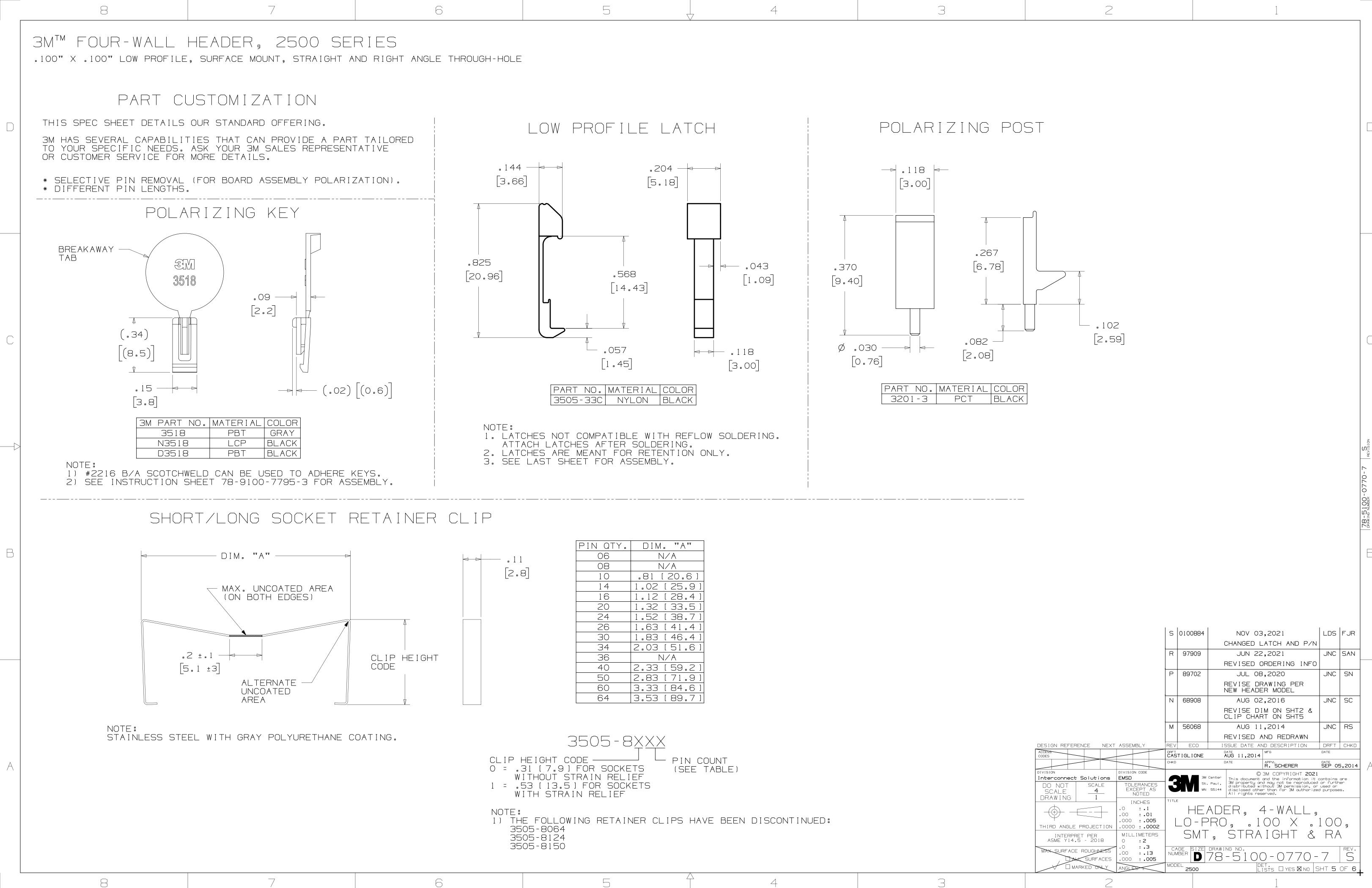
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		S	0100884	+	NOV 03	,2021	LDS	FJR
				(CHANGED L	ATCH AND P/N		
		R	97909		JUN 22	,2021	JNC	SAN
				F	REVISED C	RDERING INFO		
		Ρ	89702		JUL 08	,2020	JNC	SN
					REVISE DR New Heade	RAWING PER R MODEL		
		Ν	68908		AUG 02	,2016	JNC	SC
						M ON SHT2 & RT ON SHT5		
		М	56068		AUG 11	,2014	JNC	RS
				F	REVISED A	ND REDRAWN		
	ASSEMBLY	REV	ECO			D DESCRIPTION	DRFT	СНКД
ACCESS CODES		CAS	TIGLIONE	: /	UG 11,2014	MFG	DATE	
		СНКД		C	DATE		DATE SEP 05	5,2014
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	INCHES .0 ± .1 .00 ± .01	TITLE	HE		ER, 4	1-WALL,	1	
THIRD ANGLE PROJECTION	.000 ±.005 .0000 ±.0002		_U - H	JHC	Jg ol	ΟΟ Χ .	IUC) 9
INTERPRET PER ASME Y14.5 - 2018	MILLIMETERS		SM	T,	STRA	IGHT &	RA	\
MAX SURFACE ROUGHNESS	.0 ±.3 .00 ±.13 .000 ±.005	NUM	IBER SIZE	TRAWI	ng no. -510()-0770-	. 7	REV.
MARKED ONLY	ANGLES	MODI	EL 2500		DE L I	STS 🗆 YES 🛛 NO	5HT 4	OF 6
2						1		T



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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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В

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3M™ FOUR-WALL HEADER, 2500 SERIES

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

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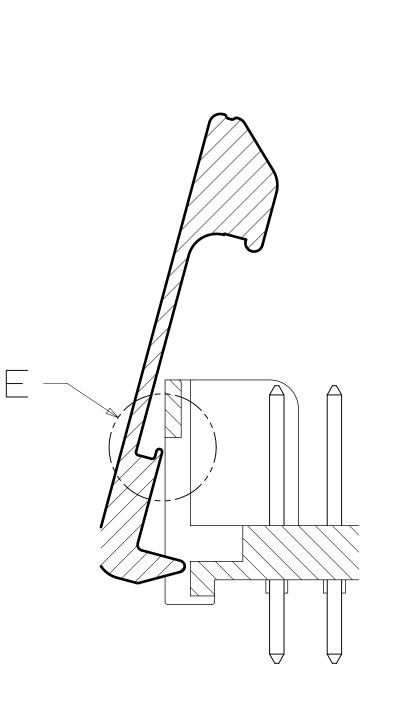
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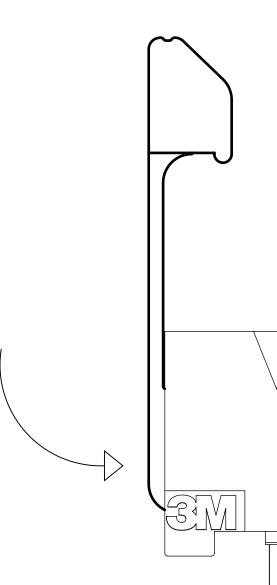
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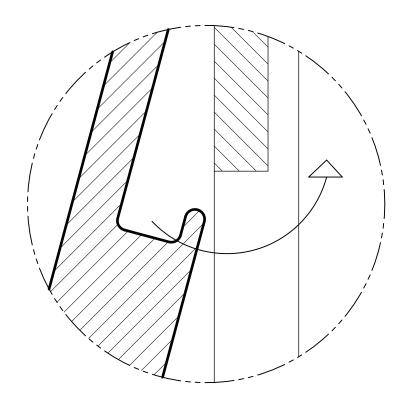
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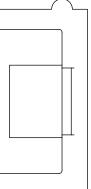
SECTION D - D SCALE 6×



Detail 🗖 SCALE 20×

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

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		S	0100884		NOV 03	,2021 Atch and P/N	LDS	FJR
		R	97909		JUN 22		JNC	SAN
				F	REVISED C	RDERING INFO		
		Ρ	89702		JUL 08	,2020	JNC	SN
					REVISE DF NEW HEADE	RAWING PER ER MODEL		
		Ν	68908		AUG 02	,2016	JNC	SC
						M ON SHT2 & RT ON SHT5		
		М	56068		AUG 11	,2014	JNC	RS
				F	REVISED A	ND REDRAWN		
	ASSEMBLY	REV	ECO			D DESCRIPTION	DRFT	CHKD
ACCESS CODES		DRFT CAS	TIGLIONE	Ĭ	UG 11,2014	MFG	DATE	
		СНКД		C	DATE		SEP 05	5,2014
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	.0 ± .1 .00 ± .01		HE,	ADE	_₭, ∠	1-WALL,		
THIRD ANGLE PROJECTION	.000 ±.005	L	_0-F	RC]1	00 X .	1 O C	
INTERPRET PER ASME Y14.5 - 2018	MILLIMETERS 0 ± 2		SMT	- 9	ŚTRA	IGHT &	RA	\
MAX SURFACE ROUGHNESS	.0 ±.3 .00 ±.13 .000 ±.005	NUM		drawi 78	-510()-0770-	7	REV.
MARKED ONLY	ANGLES	MOD	^{EL} 2500		DE	et. Ists □yes⊠no S	HT 6	OF 6
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Mouser Electronics

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 3505-8026

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 3505-8014
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 D2530-6002-AR
 D2540-6002-AR
 D2560-6002-AR
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 D2540-6V0C-AR-WG
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 D2520-5002-AR

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