

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

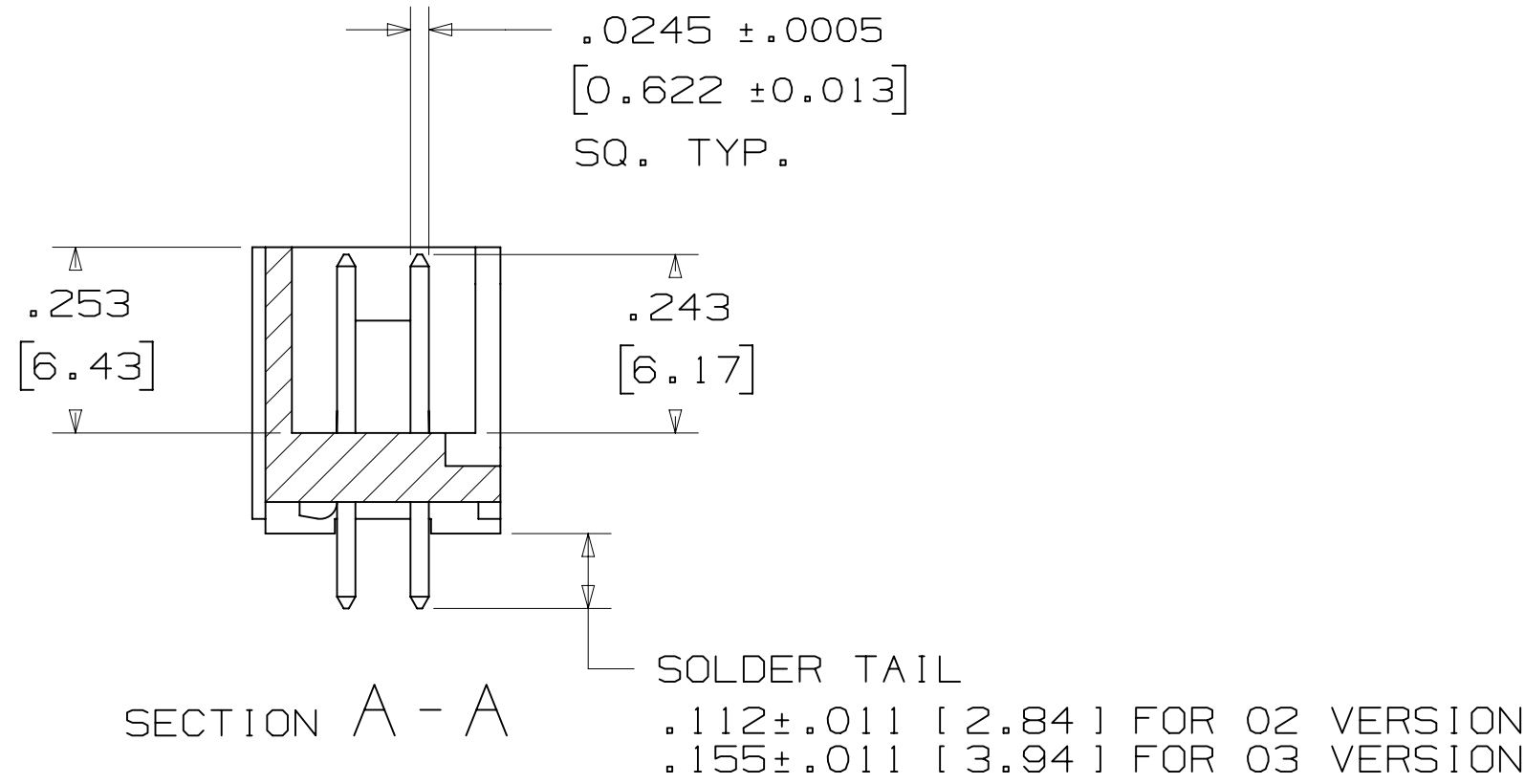
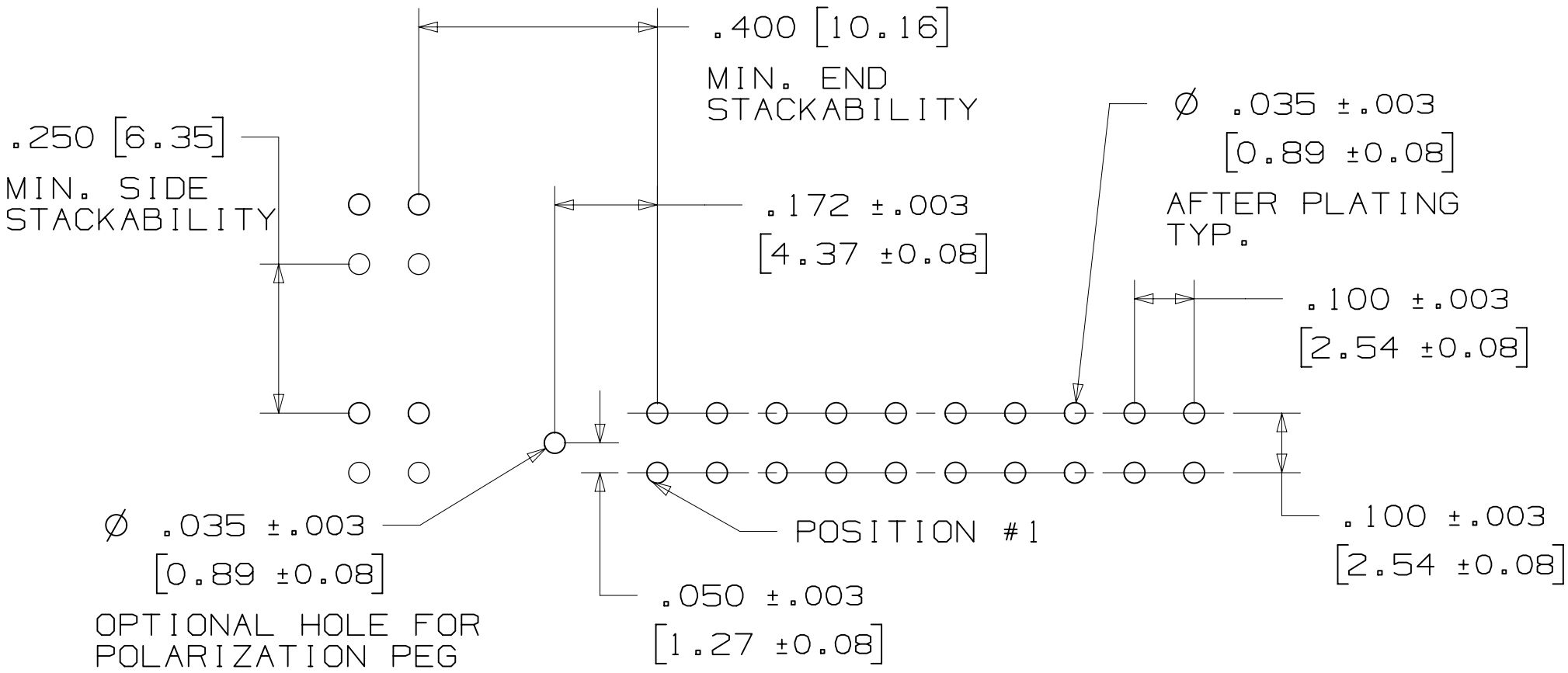
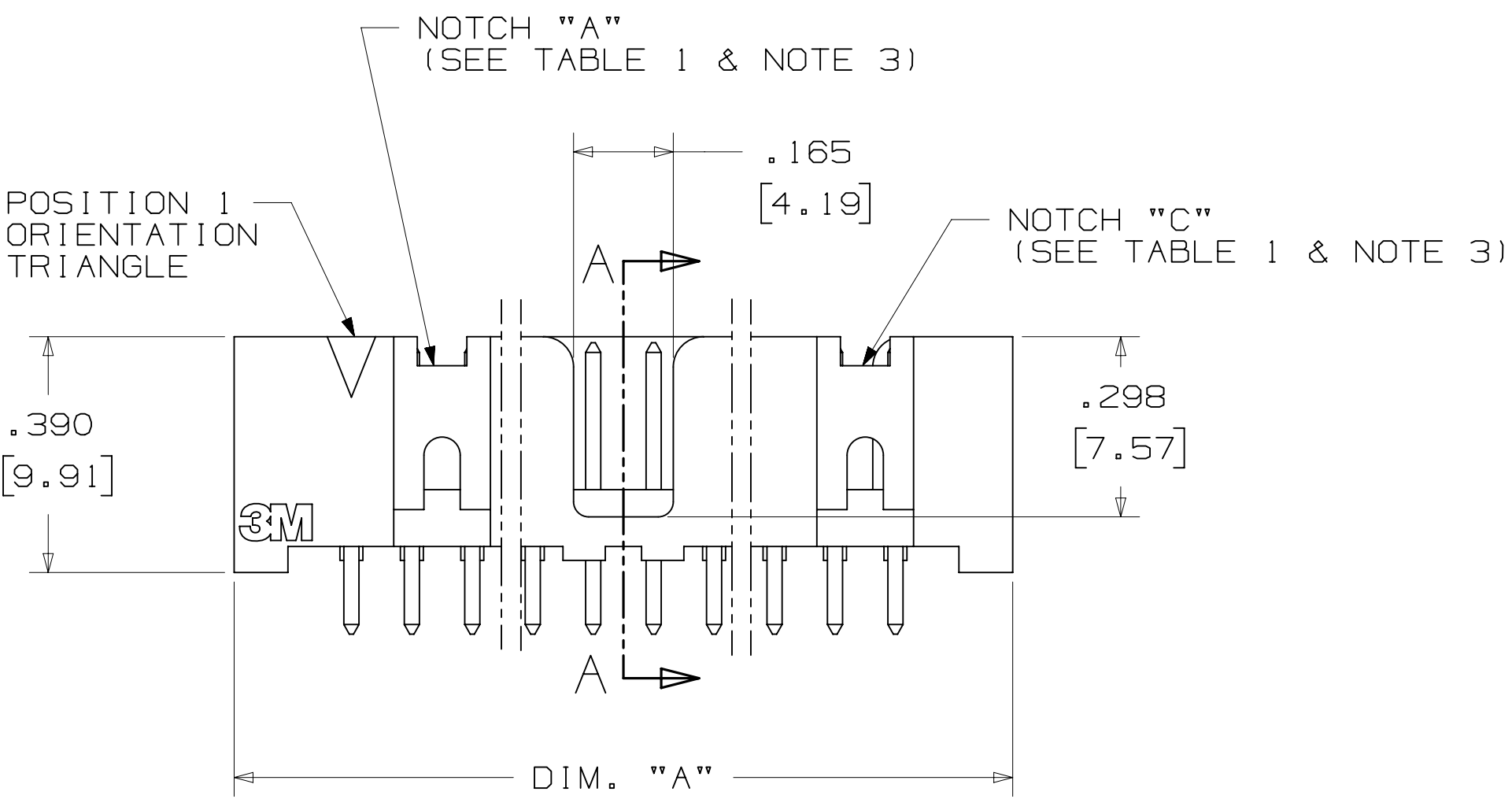
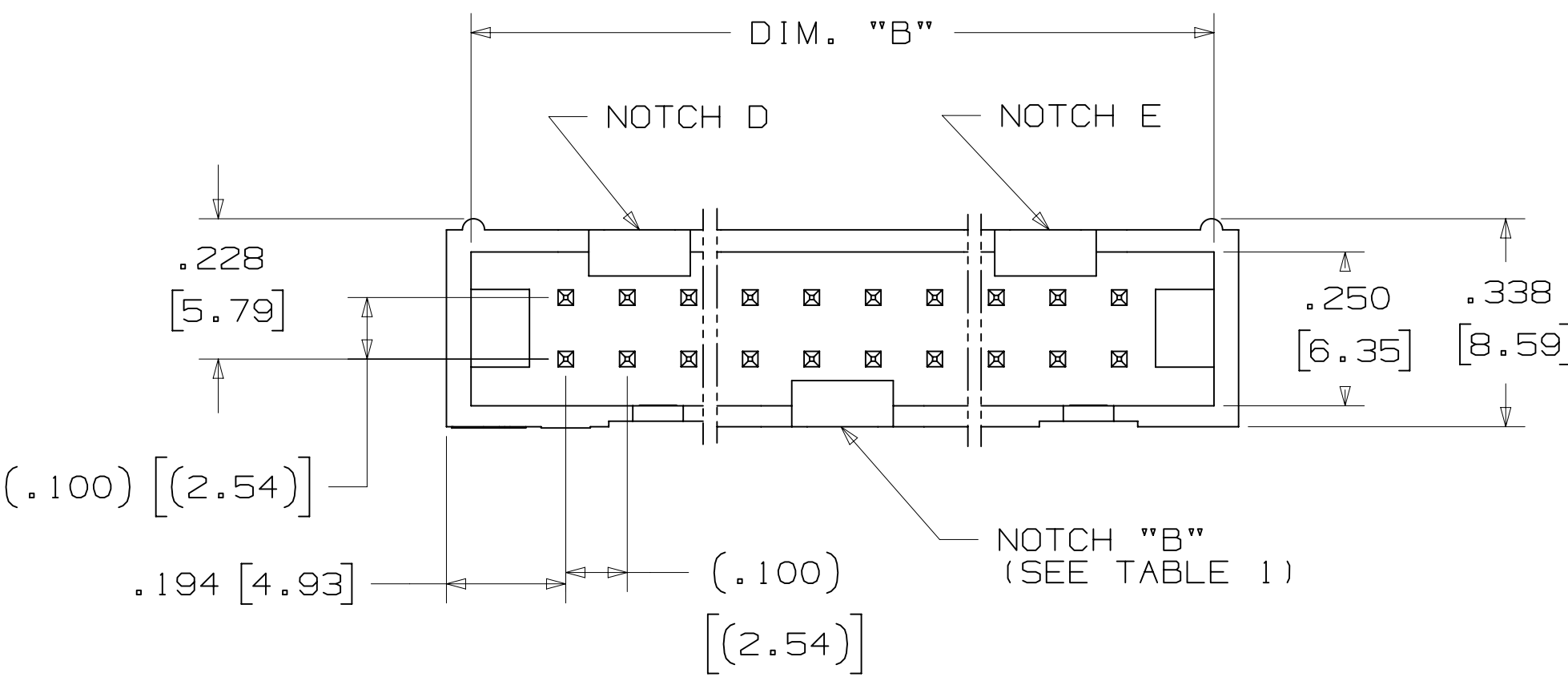


TABLE 1				
PIN QTY.	DIM. "A"	DIM. "B"	POLARIZING NOTCHES	PIN QTY.
06	.588 [14.94]	.508 [12.90]	B	06
08	.688 [17.48]	.608 [15.44]	B	08
10	.788 [20.02]	.708 [17.98]	BC	10
14	.988 [25.10]	.908 [23.06]	BCDE	14
16	1.088 [27.64]	1.008 [25.60]	ABCDE	16
20	1.288 [32.72]	1.208 [30.68]	ABCDE	20
24	1.488 [37.80]	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]	ABCDE	50
60	3.288 [83.52]	3.208 [81.48]	ABCDE	60
64	3.488 [88.60]	3.408 [86.56]	ABCDE	64



ORDERING INFORMATION
STRAIGHT VERSION

X25XX-60XX-XX

N= HIGH TEMP BLACK (PCT)
(RB, UB OR UG PLATING REQ'D)
BLANK= (UB OR UG PLATING)
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

PLATING:
RB = 30μ" [0.76μm] AVG. GOLD
200μ" [5.08μm] MATTE TIN (RIA, E1 & C1 APPLY)
UG = 15μ" [0.38μm] AVG. GOLD
200μ" [5.08μm] 60:40 TIN-LEAD SOLDER TAILS
(RIA E3 & C2 APPLY)
UB = 30μ" [0.76μm] AVG. GOLD
200μ" [5.08μm] 60:40 TIN LEAD SOLDER TAILS
(RIA E3 & C2 APPLY)

RECOMMENDED HOLE PATTERN
SHOWN FROM COMPONENT SIDE

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
Header CODES		DRP	CASTIGLIONE	DATE	DATE	DATE
		CHKD		AUG 11, 2014	MFG	SEP 05, 2014
					APPR	R. SCHERER
DIVISION	Interconnect Solutions	DIVISION CODE	EMSD	© 3M COPYRIGHT 2016		
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED		3M Center St. Paul, MN 55144		
THIRD ANGLE PROJECTION		INCHES .00 ±.01 .000 ±.005 .0000 ±		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.		
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ± .0 ±.3 .00 ±.13 .000 ±		TITLE		
MAX SURFACE ROUGHNESS				HEADER, 4-WALL, LO-PRO, .100 X .100, SMT, STRAIGHT & RA		
MARKED ONLY				CAGE NUMBER		
				D78-5100-0770-7		
				MODEL		
				2500 SERIES		
				DET		
				YES NO SHT 2 OF 5		

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

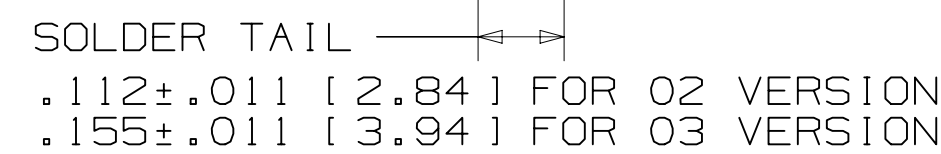
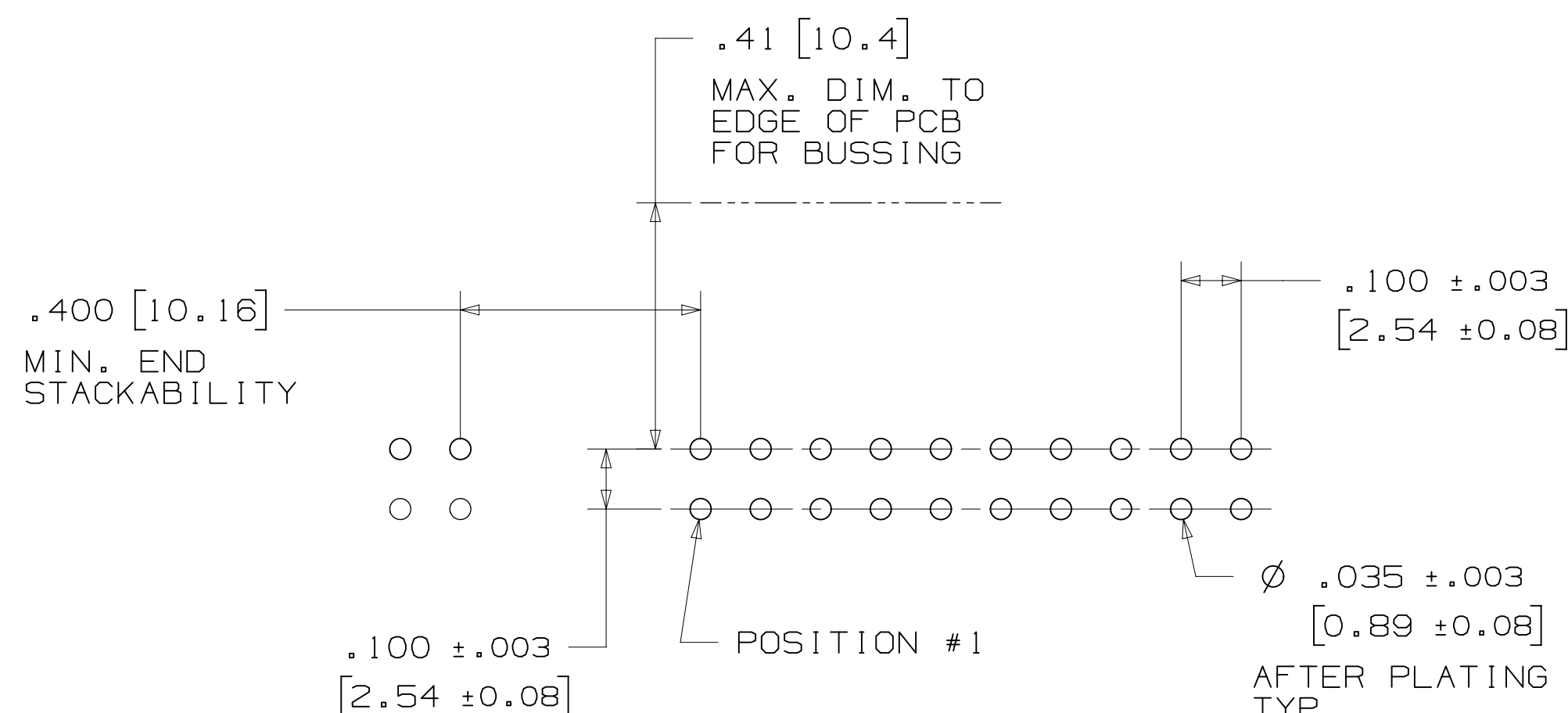


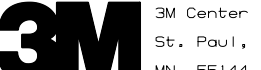
TABLE 1				
PIN QTY.	DIM. "A"	DIM. "B"	POLARIZING NOTCHES	PIN QTY.
06	.588 [14.94]	.508 [12.90]	B	06
08	.688 [17.48]	.608 [15.44]	B	08
10	.788 [20.02]	.708 [17.98]	BC	10
14	.988 [25.10]	.908 [23.06]	BCDE	14
16	1.088 [27.64]	1.008 [25.60]	ABCDE	16
20	1.288 [32.72]	1.208 [30.68]	ABCDE	20
24	1.488 [37.80]	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]	ABCDE	50
60	3.288 [83.52]	3.208 [81.48]	ABCDE	60
64	3.488 [88.60]	3.408 [86.56]	ABCDE	64

```

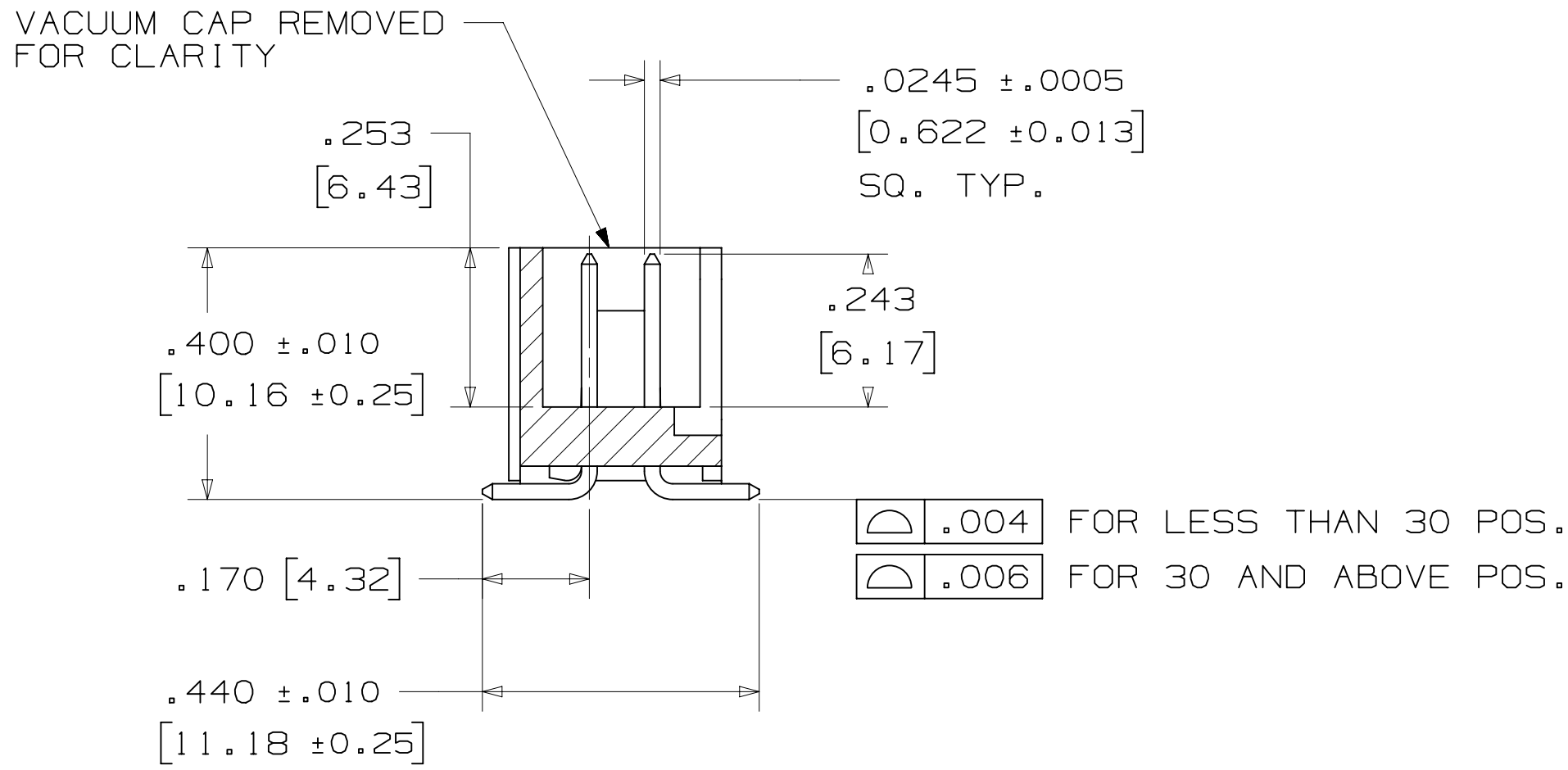
RB = 30μ" [ 0.76μm ] AVG. GOLD
    200μ" [ 5.08μm ] MATTE TIN (RIA. E1 & C1 APPLY)
UG = 15μ" [ 0.38μm ] AVG. GOLD
    200μ" [ 5.08μm ] 60:40 TIN-LEAD SOLDER TAILS
    (RIA E3 & C2 APPLY)
UB = 30μ" [ 0.76μm ] AVG. GOLD
    200μ" [ 5.08μm ] 60:40 TIN LEAD SOLDER TAILS
    (RIA E3 & C2 APPLY)

```



DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRAFT	CHKD
ACTION CODES				DRFT CASTIGLIONE	DATE 11, 2014	MFG		DATE	
				CHKD	DATE	APPR. R. SCHERER		DATE SEP 05, 2014	
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2016					
Interconnect Solutions		EMSD		 3M Center St. Paul, MN 55144		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		TOLERANCES EXCEPT AS NOTED							
SCALE $\frac{1}{1}$		INCHES .00 ± .00 ±.01 .000 ±.005 .0000 ±		TITLE		HEADER, 4-WALL, LO-PRO, .100 X .100, SMT, STRAIGHT & RA			
THIRD ANGLE PROJECTION		MILLIMETERS 0 ± .00 ±.3 .00 ±.13 .000 ±		CAGE NUMBER					
INTERPRET PER ASME Y14.5 - 2009				SIZE DRAWING NO.		REV.			
MAX SURFACE ROUGHNESS				ID		D78-5100-0770-7		N	
☒ ALL SURFACES ☐ SURF ONLY		ANGLES		MODEL		DET. LISTS		YES ☐ NO ☒	
				2500 SERIES				SHT 3 OF 6	

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



SECTION C - C

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

ORDERING INFORMATION
SURFACE MOUNT VERSION

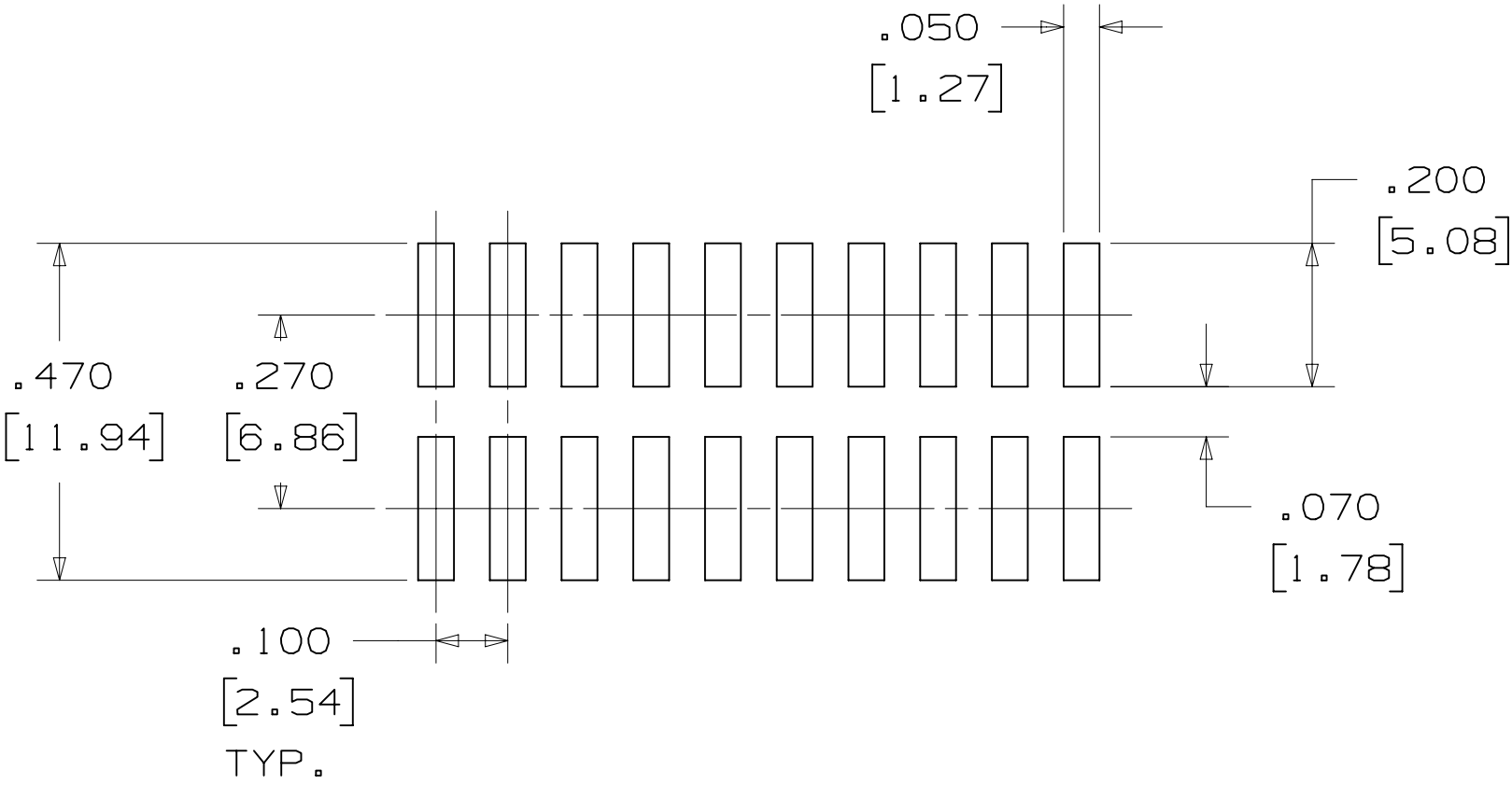
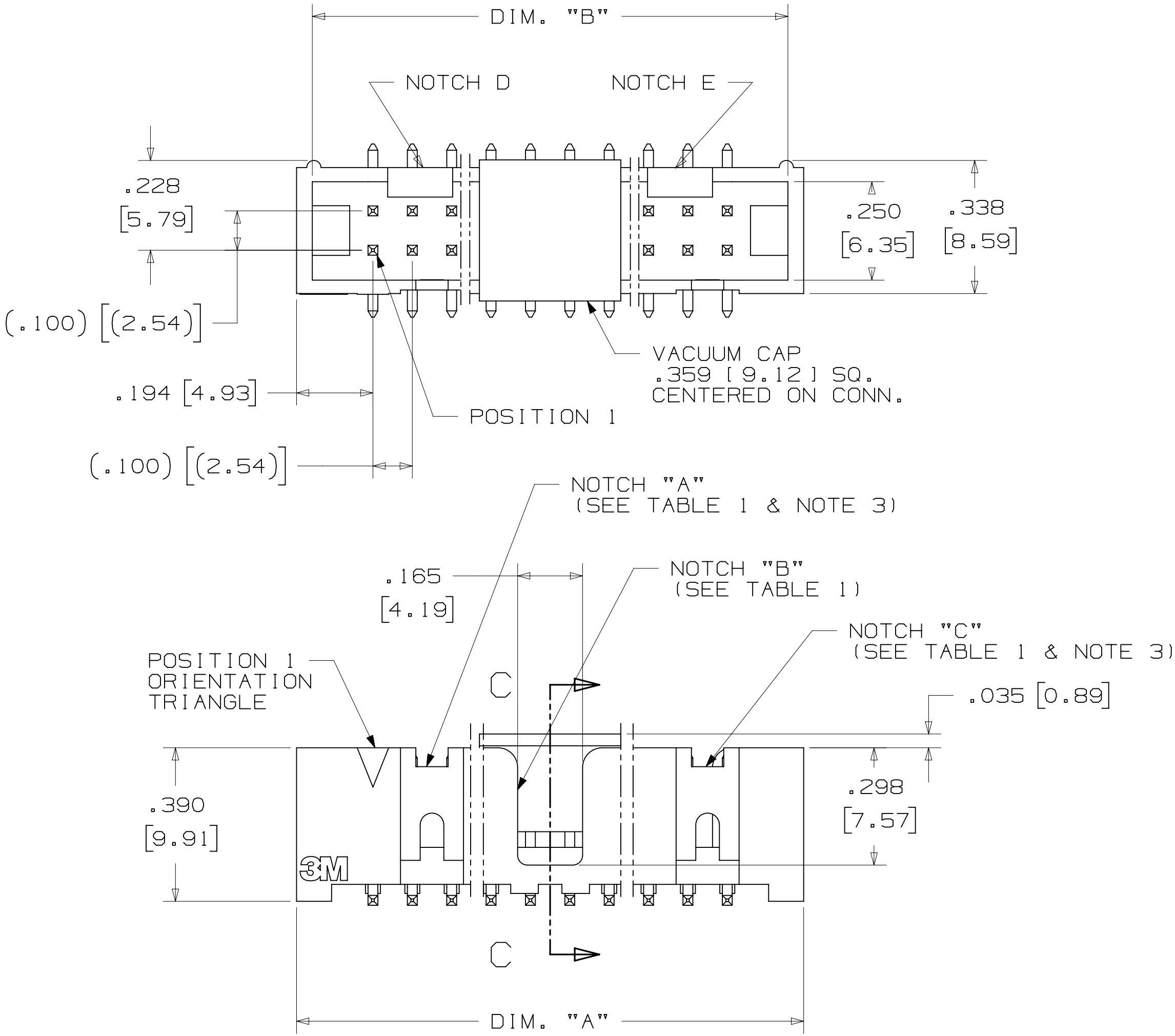
N25XX-6VOC-XX-XX

N = HIGH TEMP BLACK (PCT)
(RB PLATING REQ'D)

PIN QUANTITY:
(SEE TABLE 1)

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

PLATING:
RB = 30μ" [0.76μm] AVG. GOLD
200μ" [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		XREF CODES		CHKD	DATE	DATE	DATE	DATE	DATE
DIVISION		DIVISION CODE		CSTIGLIONE		AUG 11, 2014		R. SCHERER	
Interconnect Solutions		EMSD		DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		SURFACES		MARKED ONLY	
INCHES		MILLIMETERS		.00 ± .01		.000 ± .005		.000 ± .0000	
.0 ± .01		.0 ± .03		.00 ± .13		.000 ± .000		.000 ± .000	
TITLE		CAGE NUMBER		SIZE		DRAWING NO.		REV.	
HEADER, 4-WALL, LO-PRO, .100 X .100, SMT, STRAIGHT & RA		D78-5100-0770-7		N		2500 SERIES		DET	
3M		3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2016		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.		SHT 4 OF 5	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

3M:

[2534-6003UB](#) [2520-5003UG](#) [2526-5003UB](#) [2540-60K2UG](#) [2560-5003UB](#) [2564-6003UB](#) [N2520-6003UB](#) [N2516-5002UB](#) [N2516-60K2UB](#) [N2520-6002UG](#) [N2520-60K2UG](#) [N2526-7002UG](#) [N2530-6002UB](#) [N2534-5002UB](#) [N2534-6003UB](#) [N2540-6002UB](#) [N2550-5002UB](#) [N2550-6002UG](#) [N2550-6003UB](#) [N2510-50K2RB](#) [N2510-5002UB](#) [N2510-5003RB](#) [N2510-60K2RB](#) [N2510-6002UB](#) [N2510-6002UG](#) [N2510-6003RB](#) [N2510-7003UG](#) [N2514-5002UB](#) [N2514-5003RB](#) [N2514-6003RB](#) [N2516-50K2RB](#) [N2516-5003RB](#) [N2516-6003RB](#) [N2520-50K2RB](#) [N2520-5003RB](#) [N2520-6003RB](#) [N2524-6002UB](#) [N2524-6003RB](#) [N2526-50K2RB](#) [N2526-6002UB](#) [N2530-5003RB](#) [N2530-60K2RB](#) [N2530-6003RB](#) [N2530-6003UB](#) [N2534-5003RB](#) [N2534-6002UB](#) [N2534-6003RB](#) [N2540-5002UB](#) [N2540-5003RB](#) [N2540-60K2RB](#) [N2540-6003RB](#) [N2540-7002UG](#) [N2550-60K2RB](#) [N2550-6002UB](#) [N2550-6003RB](#) [N2564-60K2RB](#) [2540-60K2UB](#) [N2530-50K2RB](#) [2540-6002UG](#) [N2550-5002RB](#) [N2540-5002RB](#) [2560-6003UB](#) [N2560-6003RB](#) [2526-6003RB](#) [2516-6005EB](#) [N2520-5003UB](#) [N2530-6002RB](#) [N2526-5002RB](#) [2524-6002UB](#) [N2526-6V0C-RB-WF](#) [N2516-6002RB](#) [N2510-6002RB](#) [N2514-6002RB](#) [N2540-6002RB](#) [N2534-6002RB](#) [N2534-5002RB](#) [N2530-5002RB](#) [N2520-5002RB](#) [N2524-5002RB](#) [N2550-6002RB](#) [N2524-6002RB](#) [N2520-6002RB](#) [N2526-6002RB](#) [N2510-5002RB](#) [N2514-5002RB](#) [N2516-5002RB](#) [N2560-5002RB](#) [N2564-5002RB](#) [N2564-6002RB](#) [N2560-6002RB](#) [2510-6003UG](#) [N2526-7002UB](#) [2560-5002UB](#) [2530-5002UB](#) [2526-5002UB](#) [2520-6002UG](#) [2526-6002UG](#) [2534-6002UG](#) [2514-6002UG](#) [2524-5002UB](#)