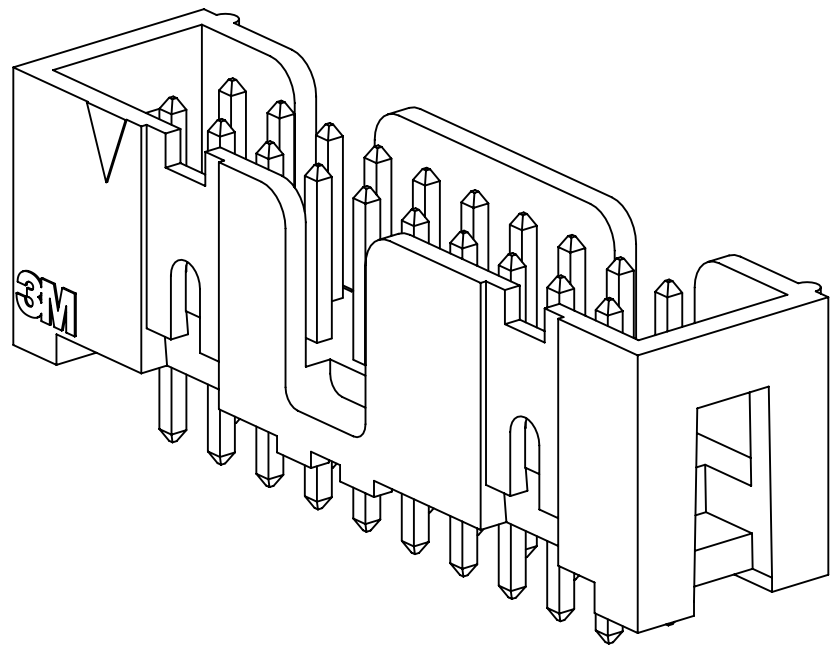
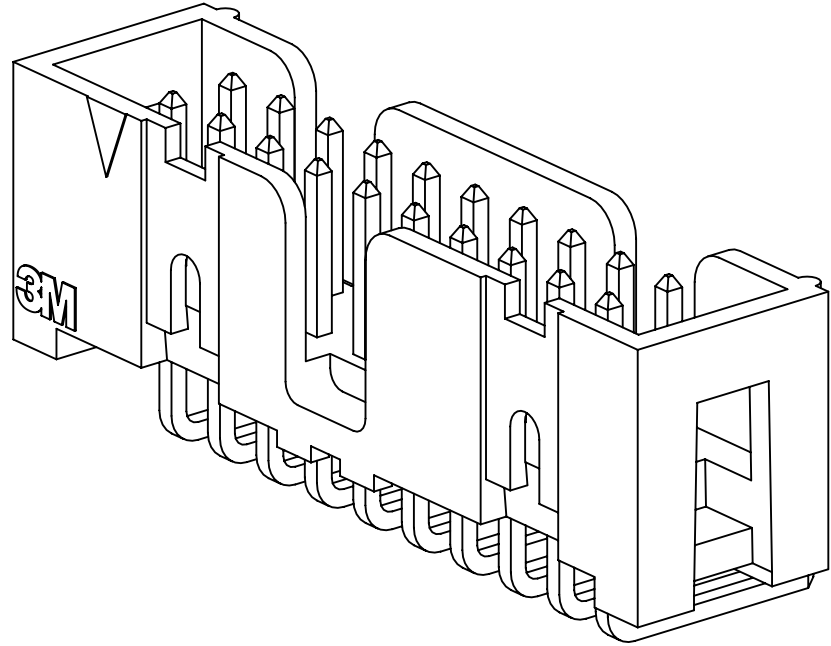


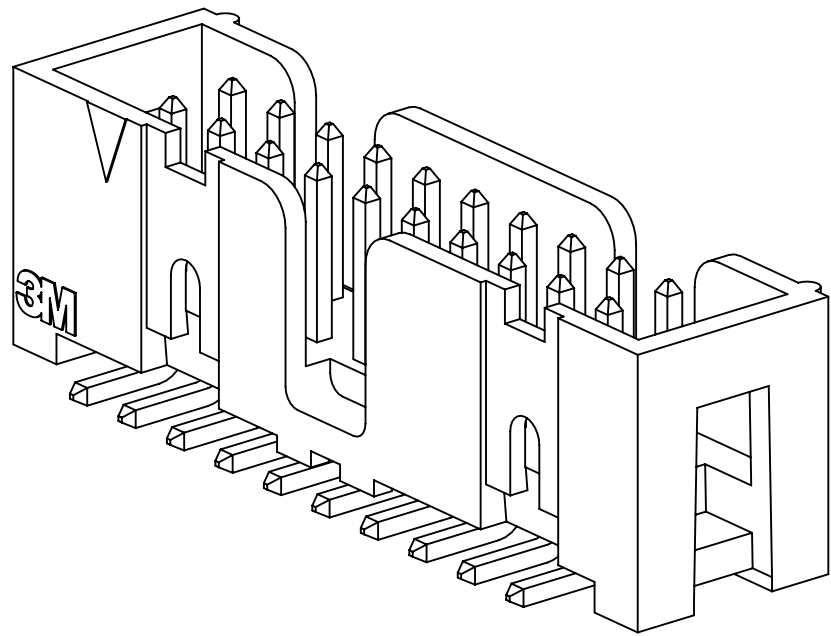
3M™ FOUR-WALL HEADER, 2500 SERIES
.100" X .100" LOW PROFILE, SURFACE MOUNT, STRAIGHT AND RIGHT ANGLE THROUGH-HOLE



25XX-60XX
STRAIGHT VERSION



25XX-50XX
RIGHT ANGLE VERSION



25XX-6V0C
SURFACE MOUNT VERSION

- * 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.

2 PHYSICAL :

INSULATOR :
MATERIAL : GLASS FILLED POLYESTER (PCT)
FLAMMABILITY : UL94V-0
COLOR : BLACK
CONTACT :
MATERIAL : COPPER ALLOY
PLATING :
UNDER PLATING : 100µ" (2.54µm) NICKEL-OVERALL
WIPING AREA : AVG. GOLD (SEE ORDERING INFORMATION)
SOLDER TAILS : 200µ" (5.08µm) TIN LEAD OR MATTE TIN (SEE ORDERING INFORMATION)
MARKINGS : 3M LOGO, PART IDENTIFICATION NUMBER AND ORIENTATION TRIANGLE

2 ELECTRICAL :

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 X 10⁹Ω AT 500 V_{DC}
WITHSTANDING VOLTAGE : 1,000V_{RMS} AT SEA LEVEL

2 ENVIRONMENTAL :

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: ROHS COMPLIANT. SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF WWW.3MCONNECTORS.COM FOR COMPLIANCE INFORMATION.
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 WIRE AND .028 (.072) DIAGONAL.
5. SOLDER STANDOFFS FACILITATE .01 (.3) CLEARANCE ABOVE BOARD FOR REFLOW SOLDERING.

DIMENSIONS: INCHES [MM]
[MM] IS REF. ONLY

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXX						
XXXXX						
DIVISION	DIVISION CODE	DRP	DATE	MFG	DATE	
Interconnect Solutions	EMSD	CASTIGLIONE	AUG 11, 2014	R. SCHERER	SEP 05, 2014	
DO NOT SCALE DRAWING	SCALE 4 1	TOLERANCES EXCEPT AS NOTED	INCHES .0 ± .01 .000 ± .005 .0000 ±			
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	MILLIMETERS 0 ± .0 .00 ± .13 .000 ±	CAGE NUMBER D 78-5100-0770-7			
MAX SURFACE ROUGHNESS	DET SURFACES	MARKED ONLY	MODEL 2500 SERIES			
				TITLE HEADER, 4-WALL, LO-PRO, .100 X .100, SMT, STRAIGHT & RA		REV. N
				CAGE NUMBER D 78-5100-0770-7		REV. N
				MODEL 2500 SERIES		REV. N
				DET LISTS		REV. N
				YES NO		REV. N
				SHT 1 OF 5		REV. N

3M ELECTRONIC MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3mconnectors.com>

3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

UL FILE NO: E68080

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

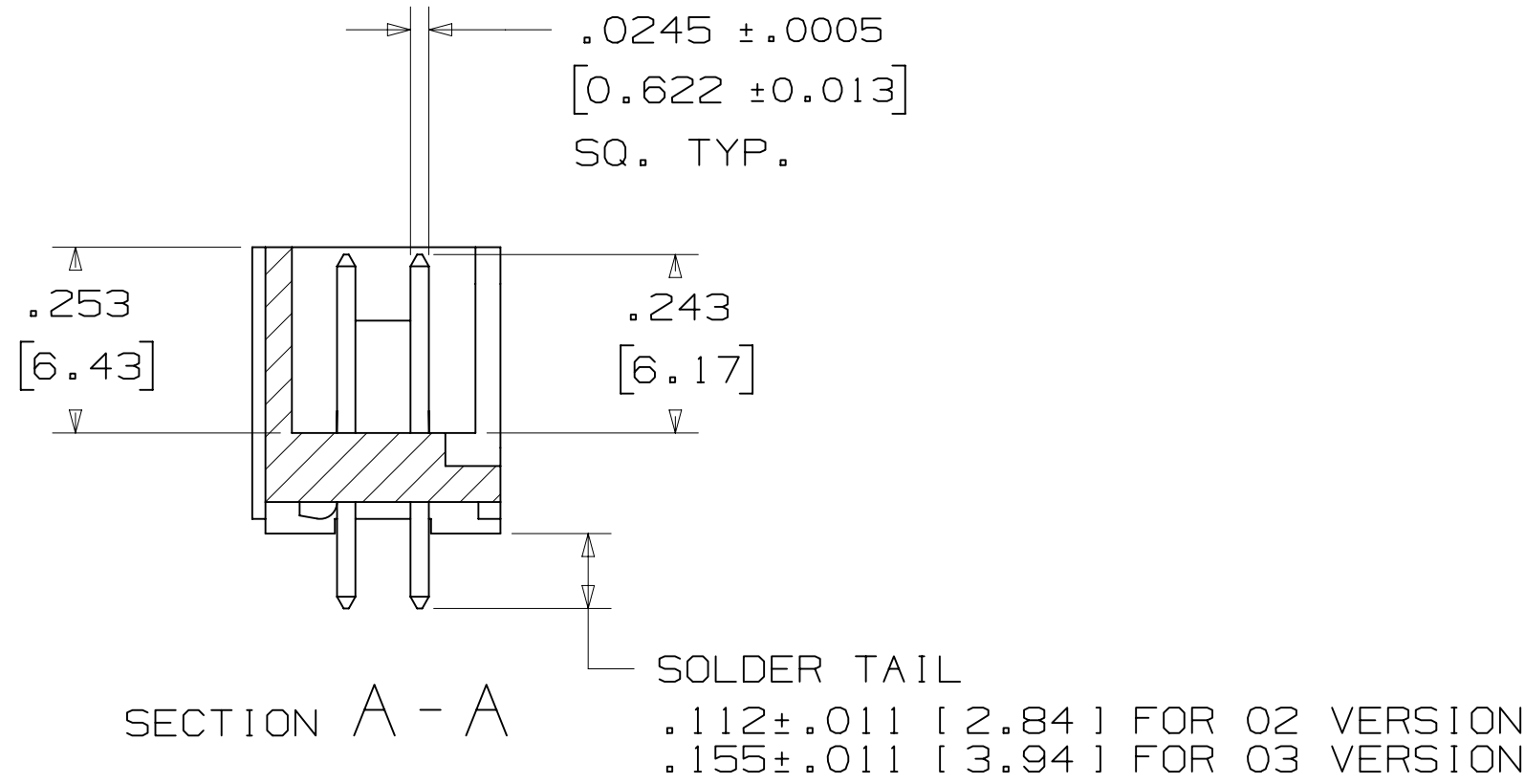
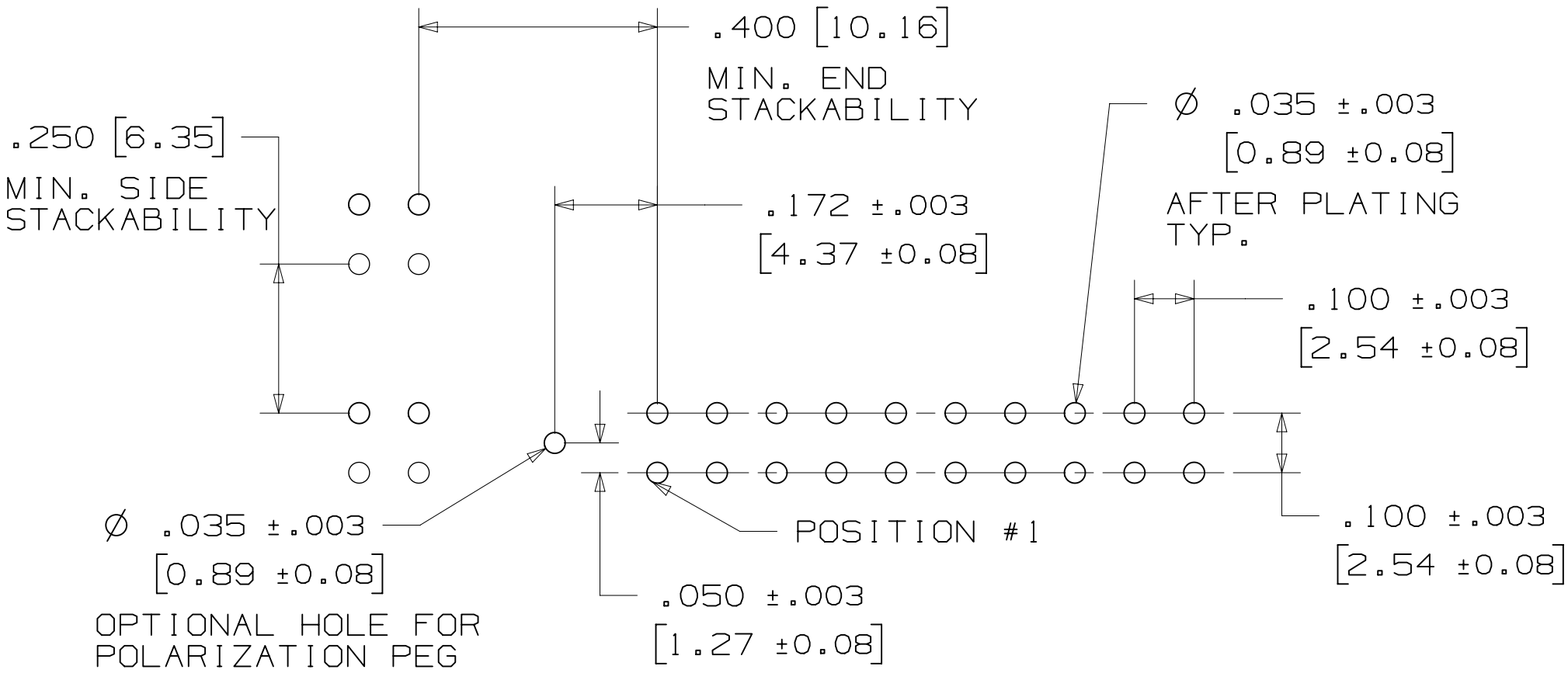
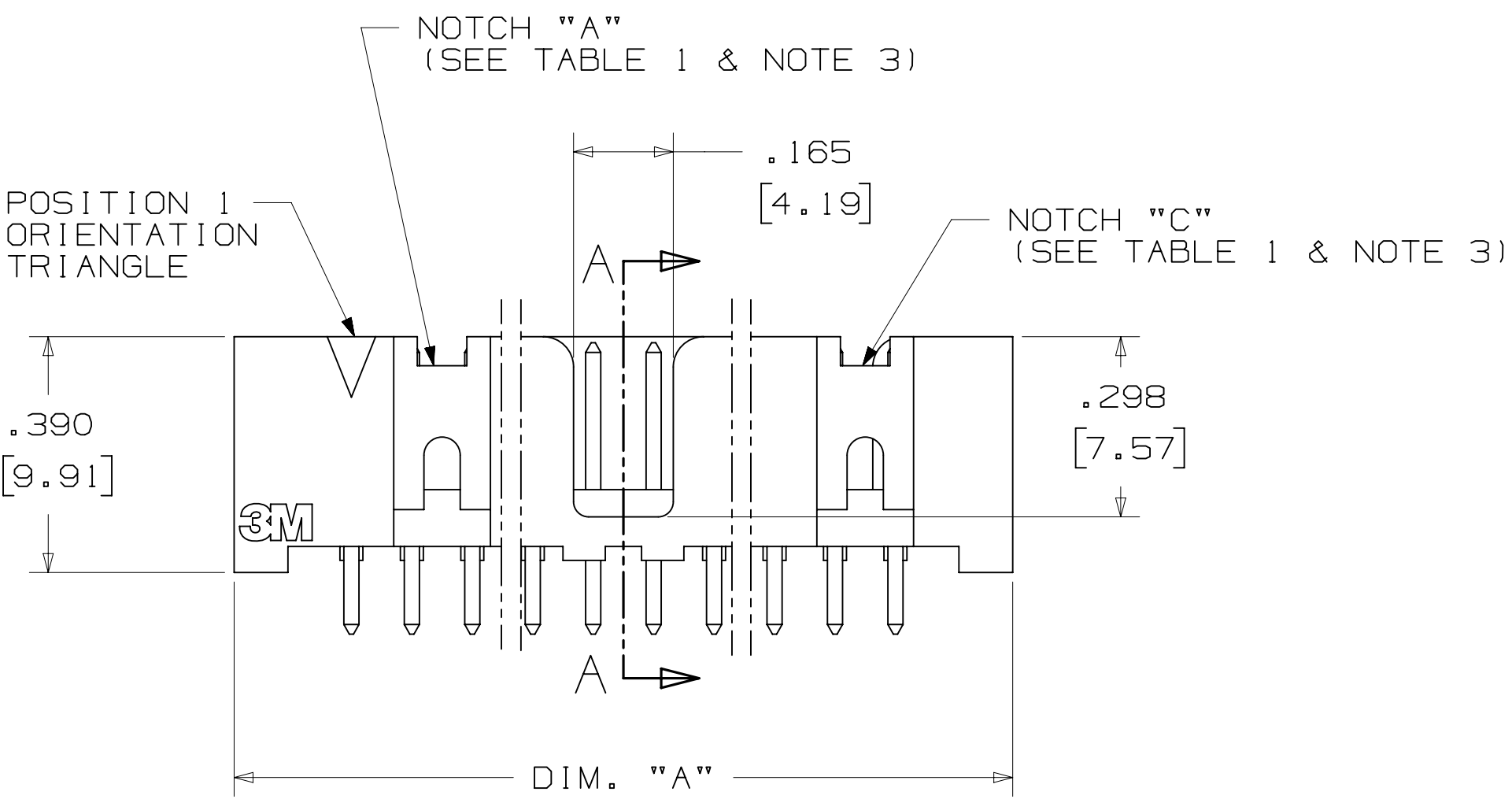
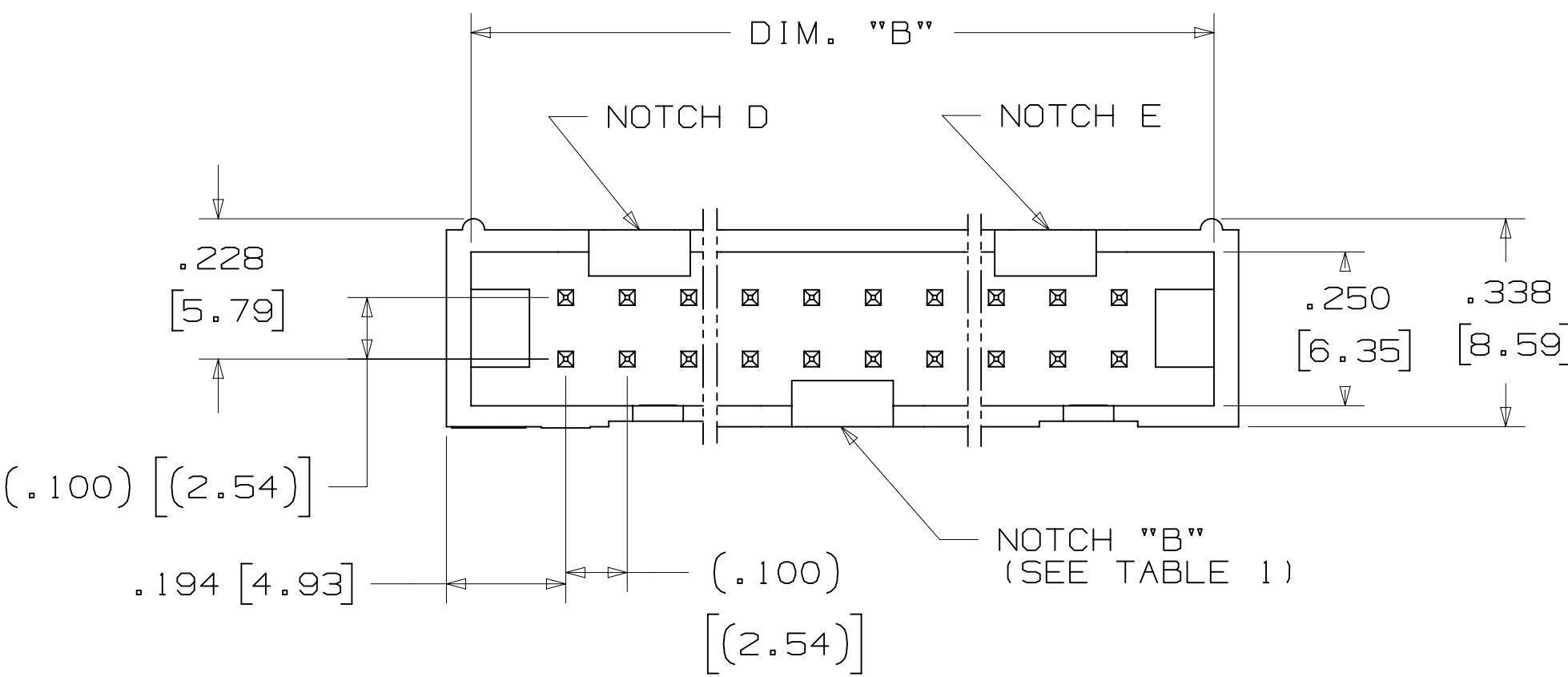


TABLE 1				
PIN QTY.	DIM. "A"	DIM. "B"	POLARIZING NOTCHES	PIN QTY.
06	.588 [14.94]	.508 [12.90]	B	06
08	.688 [17.48]	.608 [15.44]	B	08
10	.788 [20.02]	.708 [17.98]	BC	10
14	.988 [25.10]	.908 [23.06]	BCDE	14
16	1.088 [27.64]	1.008 [25.60]	ABCDE	16
20	1.288 [32.72]	1.208 [30.68]	ABCDE	20
24	1.488 [37.80]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

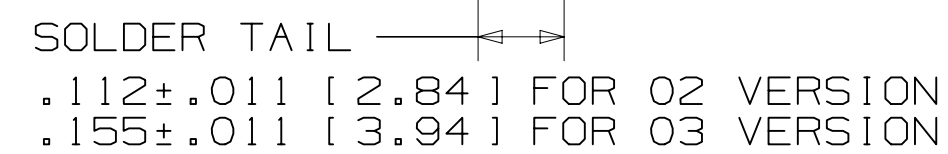
N= HIGH TEMP BLACK (PCT)
(RB, UB OR UG PLATING REQ'D)
BLANK= (UB OR UG PLATING)
PIN QUANTITY:
(SEE TABLE 1)
SOLDER TAIL:
02 = FOR .062 [1.57] THICK BOARD
03 = FOR .094 TO .125 [2.39 TO 3.18]
THICK BOARD

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		CHKD	CASTIGLIONE	AUG 11, 2014	MFG	DATE
DIVISION	Interconnect Solutions	DIVISION CODE	EMSD	DATE	APPR	R. SCHERER
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION		INCHES .00 ±.01 .000 ±.005 .0000 ±				
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ± .0 ±.3 .00 ±.13 .000 ±				
MAX SURFACE ROUGHNESS		DET SURFACES				
MARKED ONLY		ANGLES				
TITLE		CAGE NUMBER		DRAWING NO.		REV.
HEADER, 4-WALL, LO-PRO, .100 X .100, SMT, STRAIGHT & RA		D78-5100-0770-7		2500 SERIES		N
MODEL		LISTS		YES		NO
SHT 2 OF 5						

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



SECTION B-B

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

X25XX-50XX-XX

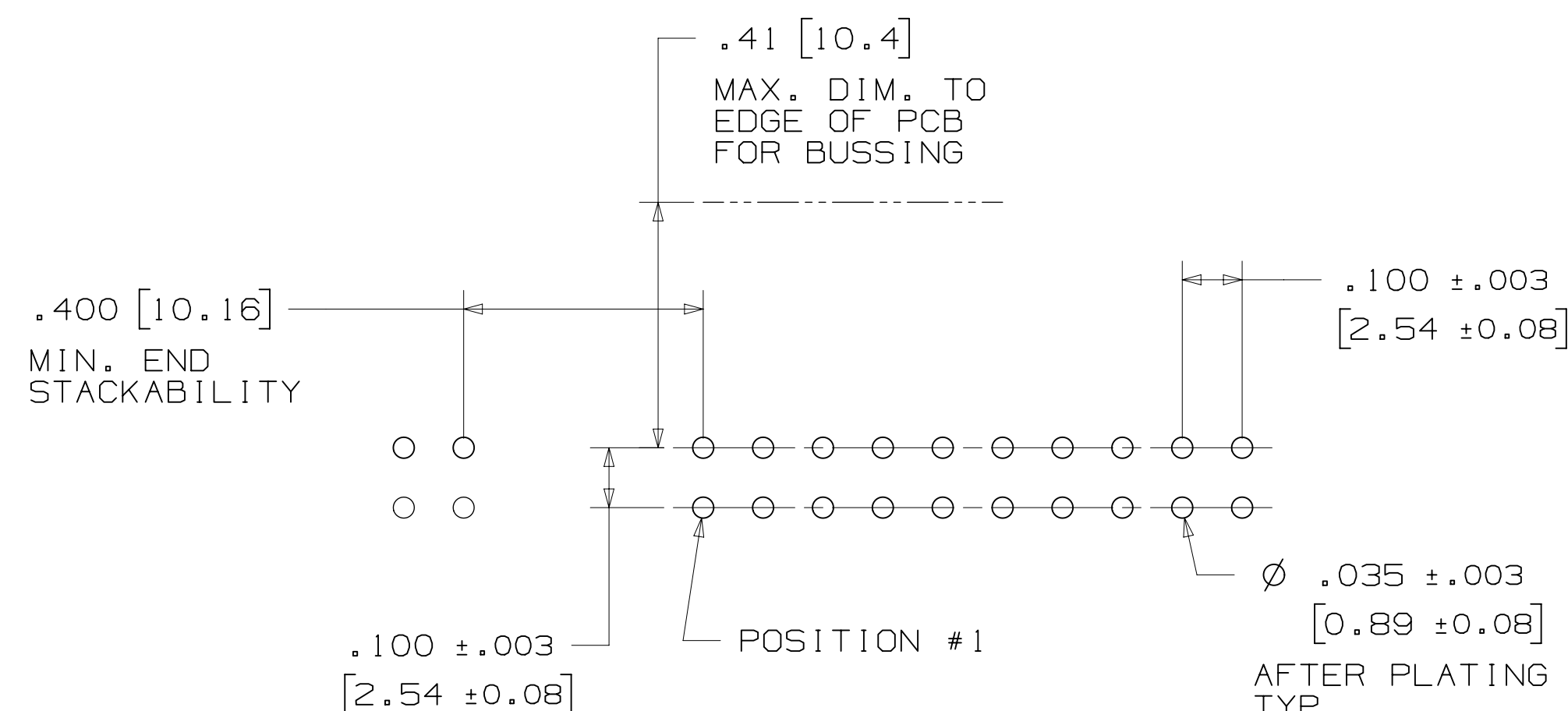
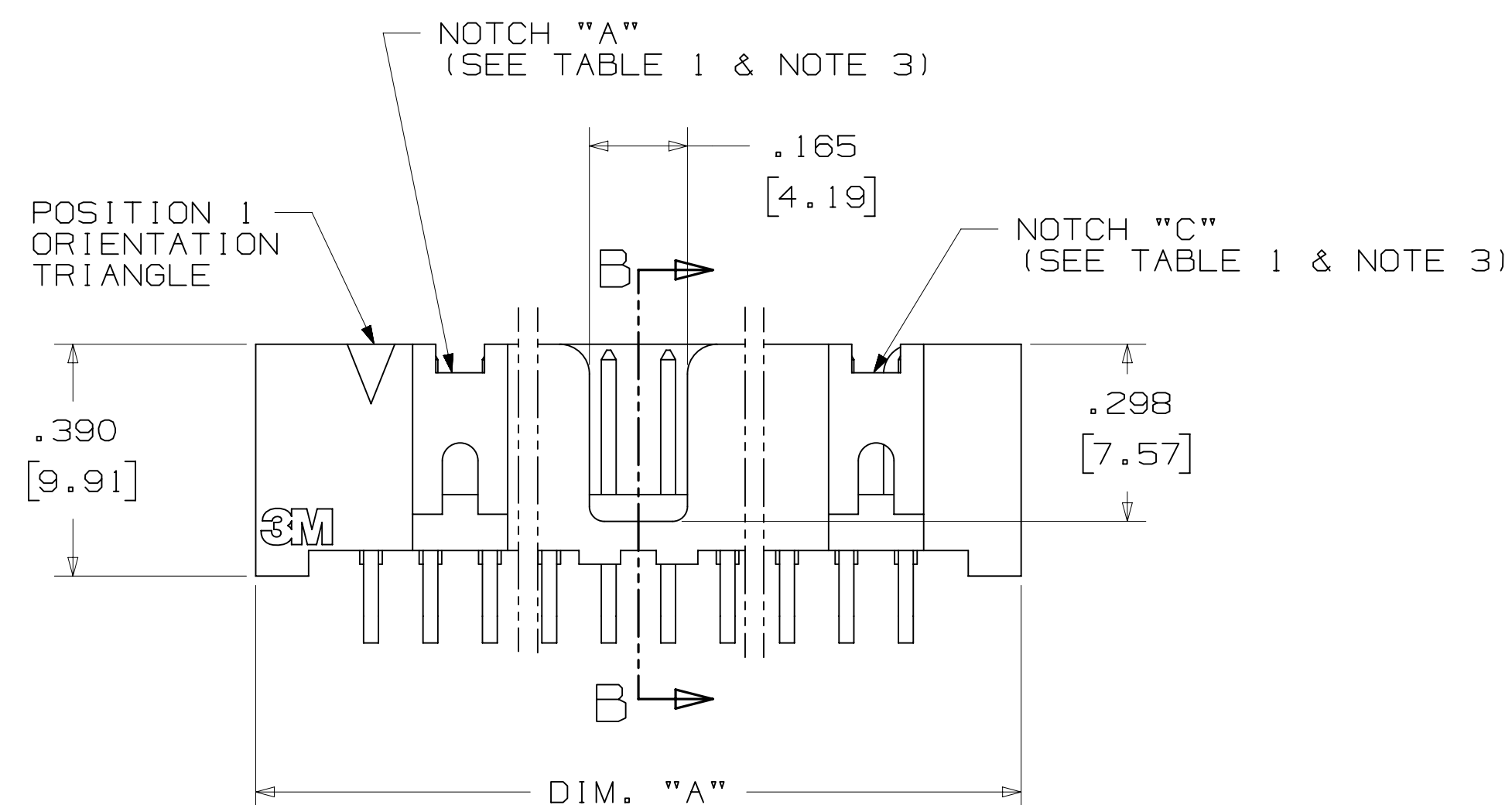
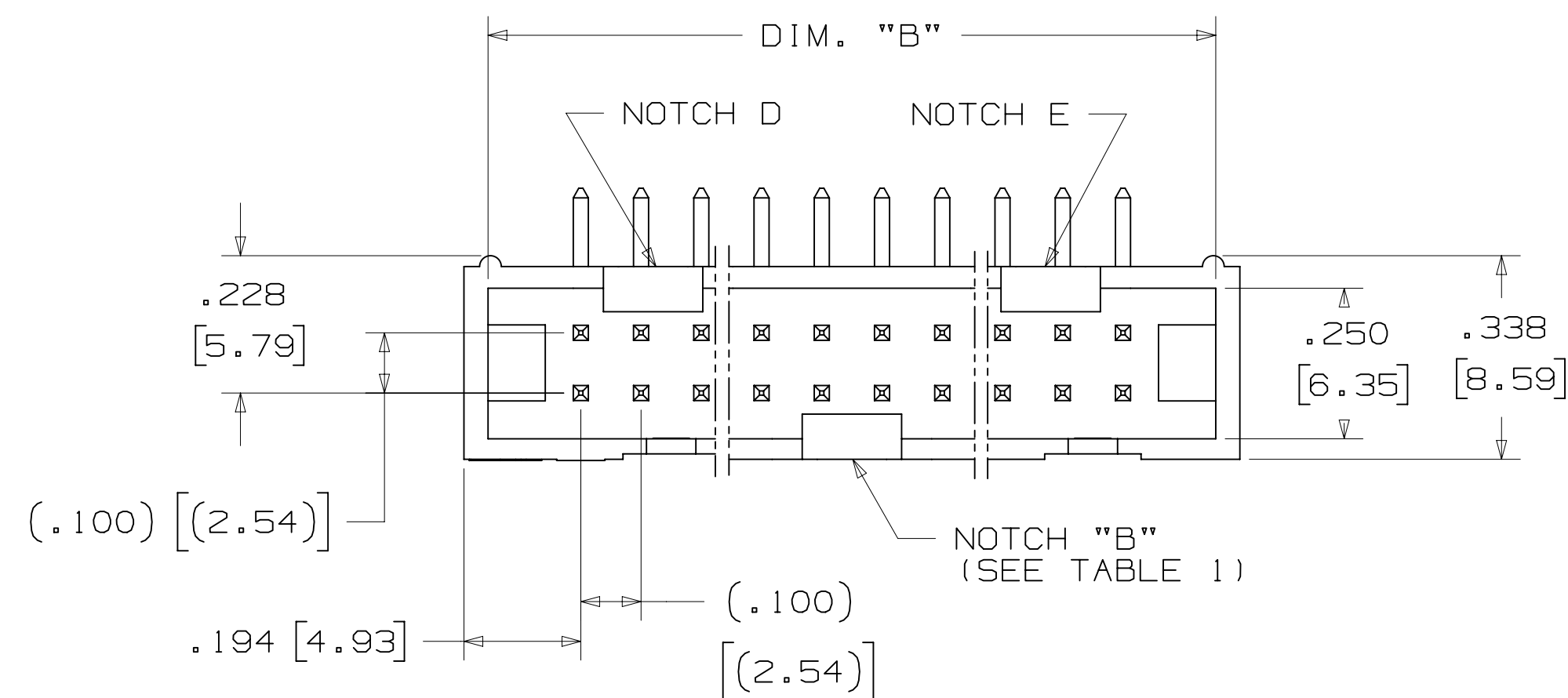
PIN QUANTITY:
(SEE TABLE 1)

- PLATING:

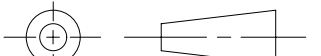
```

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)

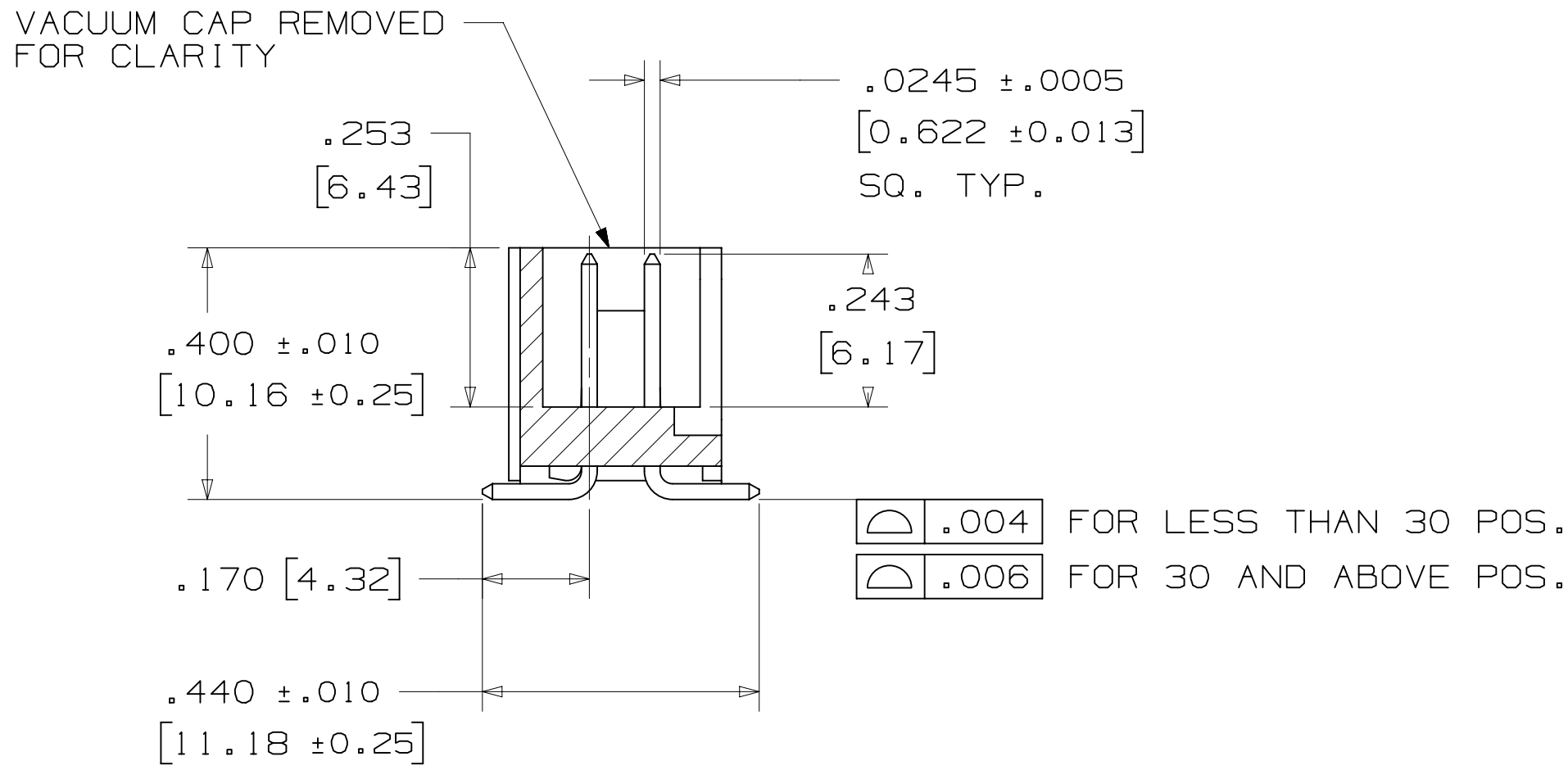
```



RECOMMENDED HOLE PATTERN
SHOWN FROM COMPONENT SIDE

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
ACROSS CODES				DRFT CASTIGLIONE		DATE AUG 11, 2014		MFG		DATE			
				CHRD		DATE		APPRV. R. SCHERER		DATE SEP 05, 2014			
DIVISION Interconnect Solutions				DIVISION CODE EMSD				© 3M COPYRIGHT 2016					
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		 3M Center 55, Pauli, MM 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 otherwise for 3M authorized purposes. All rights reserved.					
 THIRD ANGLE PROJECTION INTERPRET PER ASME Y14.5 - 2009				INCHES .00 ± .00 ± .01 .000 ± .005 .000 ±		TITLE HEADER, 4-WALL, LO-PRO, .100 X .100, SMT, STRAIGHT & RA							
				MILLIMETERS 0 ± .0 ± .3 .000 ± .13 .000 ±									
MAX. SURFACE ROUGHNESS  MAX. SURFACES ☒ MARKED ONLY				ANGLES		CASE NUMBER D		SIZE DRAWING NO. 78-5100-0770-7		REV. N			
						MODEL 2500 SERIES		DET. LISTS ☐ YES ☒ NO		SHT 3 OF 5			

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

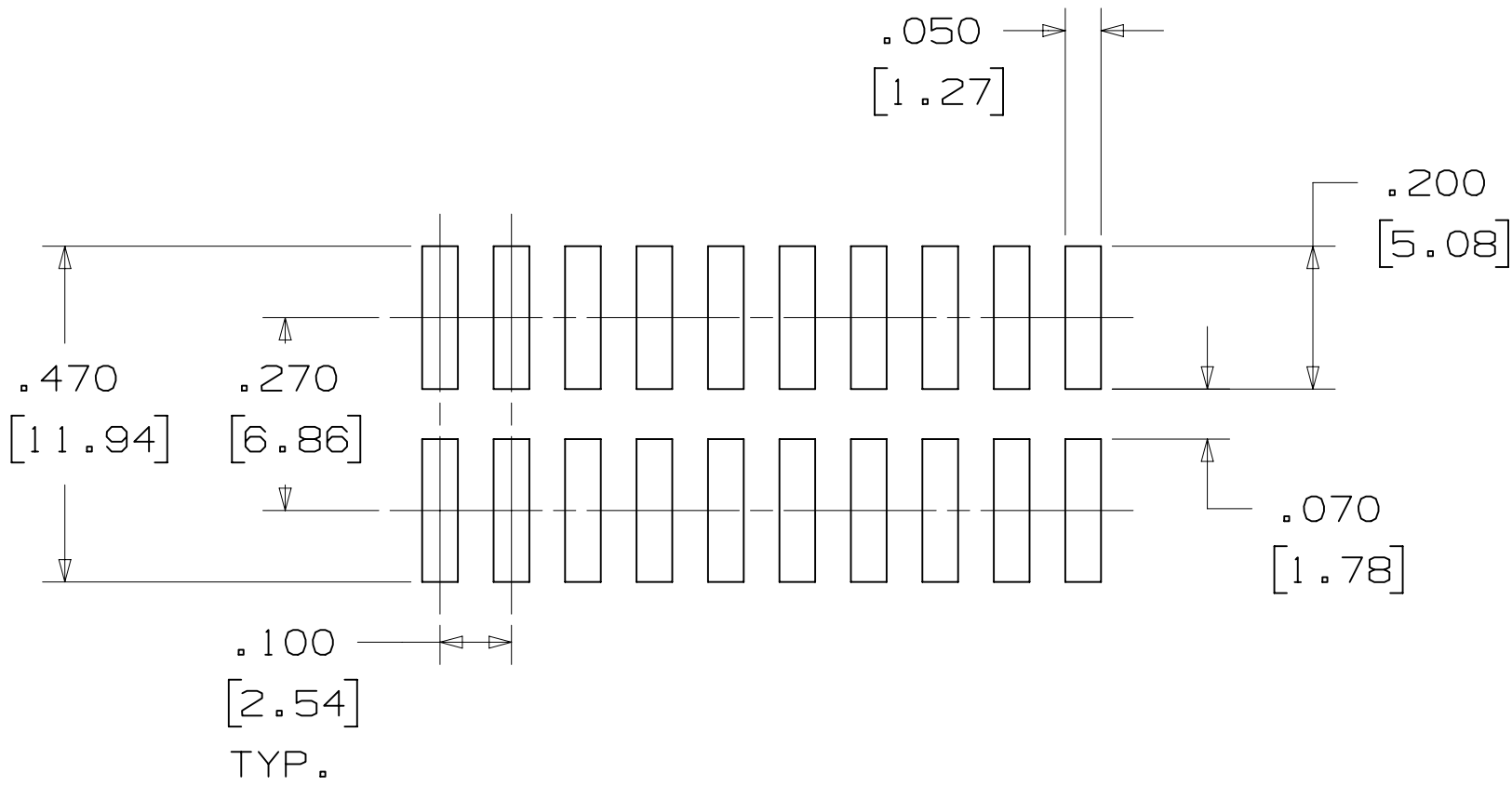
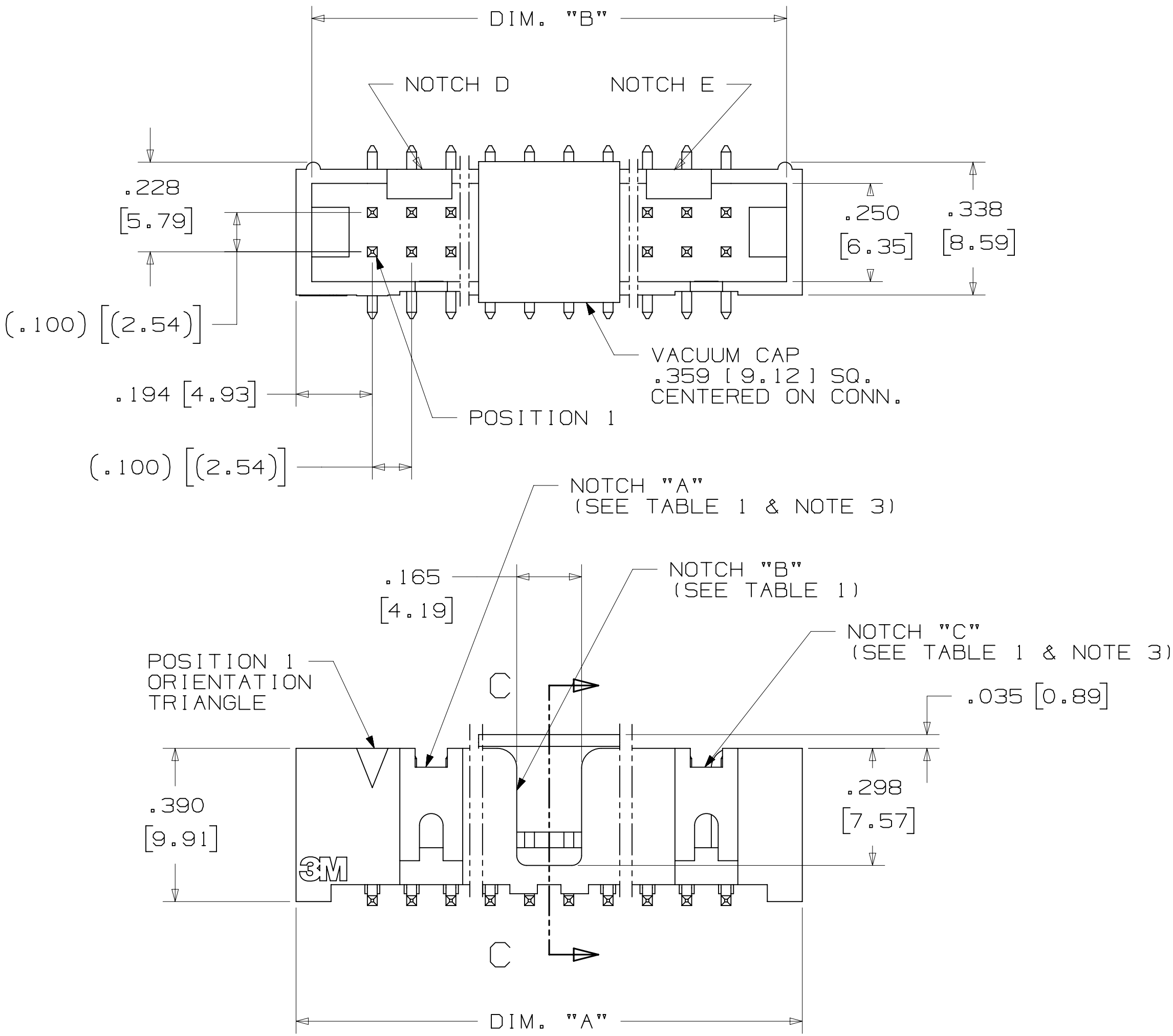
N25XX-6VOC-XX-XX

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
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED	INCHES .00 ±.01 .000 ±.005 .0000 ±	MILLIMETERS 0 ±.3 .00 ±.13 .000 ±	ANGLES	
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	MAX SURFACE ROUGHNESS	DEF SURFACES	MARKED ONLY		
DIVISION Interconnect Solutions		DIVISION CODE EMSD		DATE AUG 11, 2014		
CAGE NUMBER		SIZE		DRAWING NO. D78-5100-0770-7		
MODEL 2500 SERIES		DET		YES NO SHT 4 OF 5		
N 68908		AUG 02, 2016		JNC SC		
M 56068		AUG 11, 2014		JNC RS		
REV		ECO		ISSUE DATE AND DESCRIPTION		
CHKD		DATE		DATE		
APPR		R. SCHERER		DATE SEP 05, 2014		
3M		St. Paul, MN 55144		© 3M COPYRIGHT 2016		
TITLE		HEADER, 4-WALL, LO-PRO, .100 X .100, SMT, STRAIGHT & RA				



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.