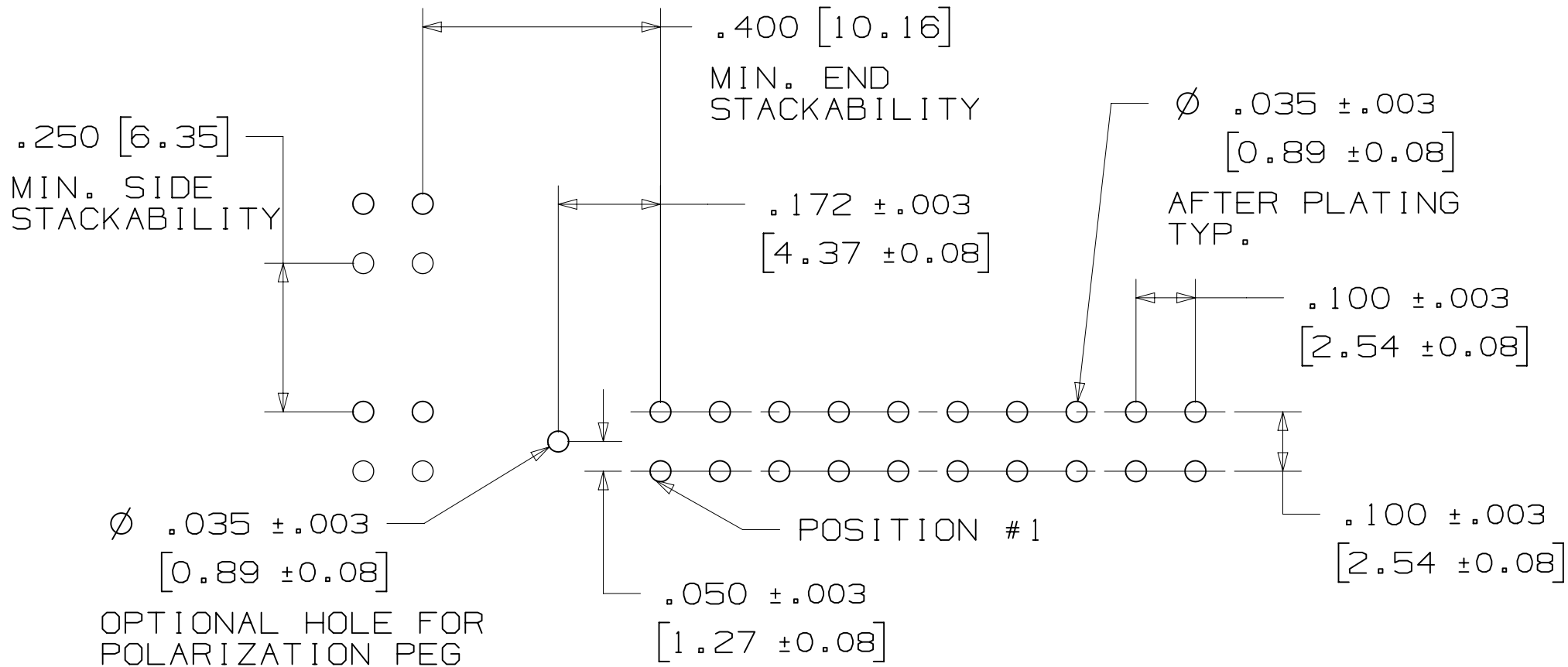
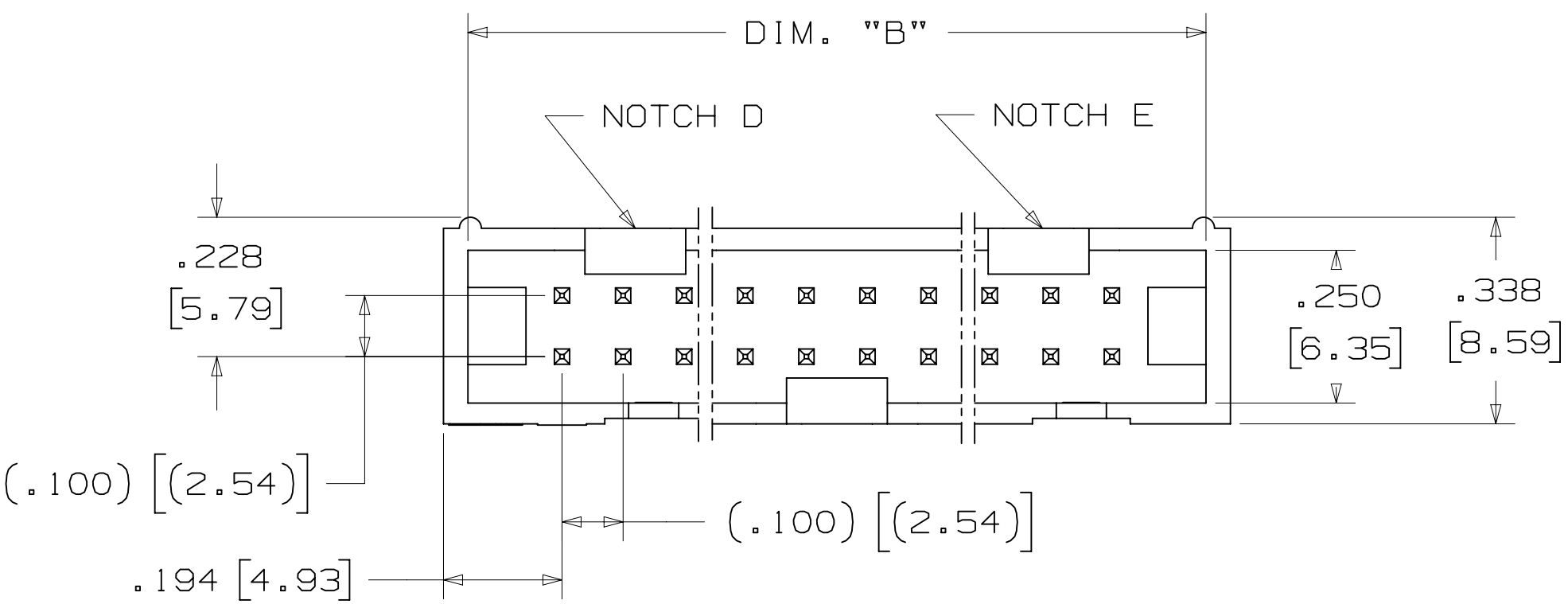


3M™ FOUR-WALL HEADER, 2500 SERIES
.100" X .100" LOW PROFILE, SURFACE MOUNT, STRAIGHT AND RIGHT ANGLE THROUGH-HOLE



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

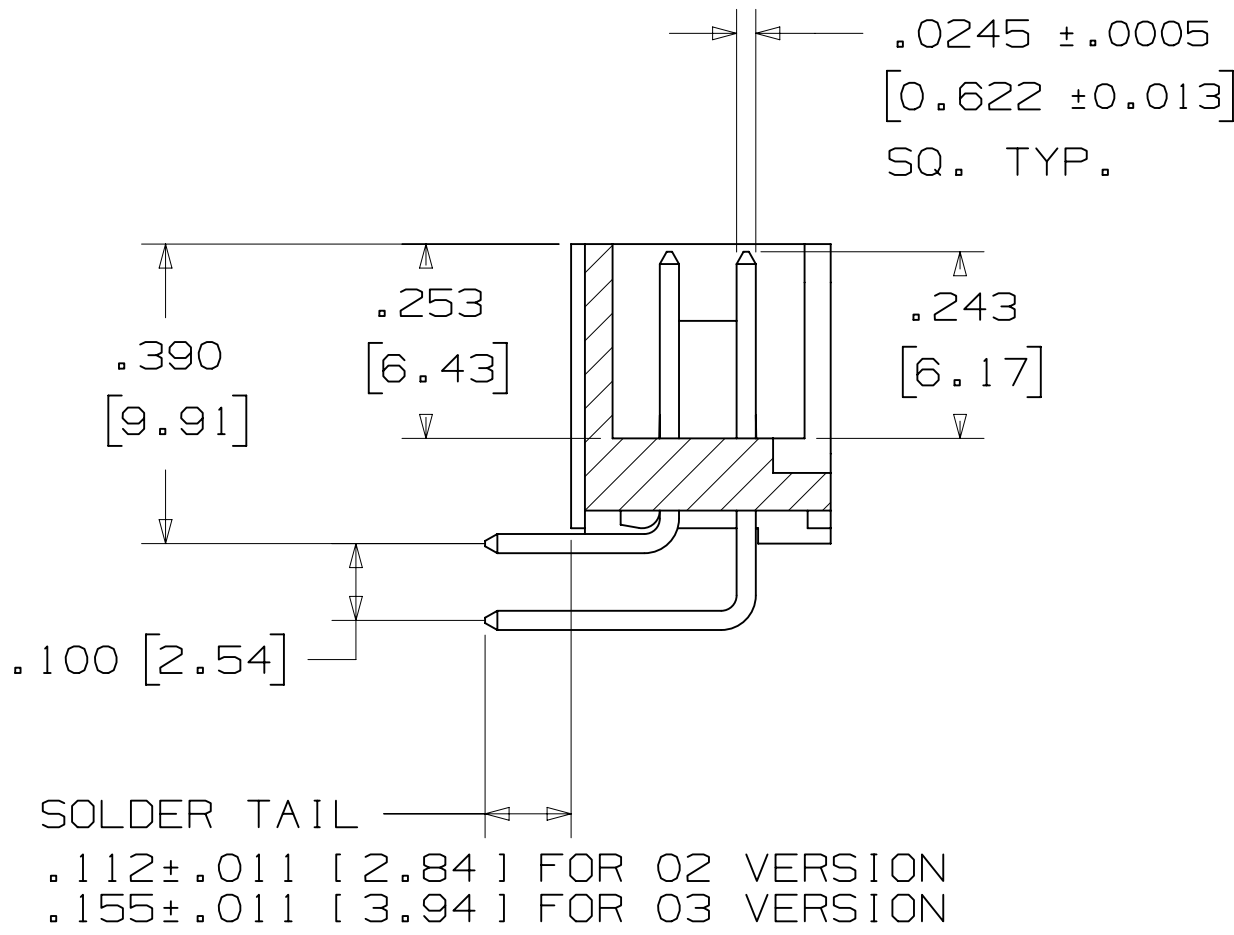
N= HIGH TEMP BLACK (PCT)
(RB, UB OR UG PLATING REQ'D)
BLANK= (UB OR UG PLATING)
PIN QUANTITY:
(SEE TABLE 1)
SOLDER TAIL:
02 = FOR .062 [1.57] THICK BOARD
03 = FOR .094 TO .125 [2.39 TO 3.18]
THICK BOARD

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		M	56068	AUG 11, 2014		JNC	RS
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD					
DRP	CASTIGLIONE	DATE	AUG 11, 2014	MFG					
CHKD		DATE		APPR	R. SCHERER	DATE	SEP 05, 2014		
DIVISION		INTERCONNECT SOLUTIONS		DIVISION CODE		EMSD			
DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED					
THIRD ANGLE PROJECTION		INCHES		MILLIMETERS					
MAX SURFACE ROUGHNESS		0.00 ±.01		0.00 ±.005					
INTERPRET PER ASME Y14.5 - 2009		0 ±.0		0 ±.03					
MARKED SURFACES		0.00 ±.13		0.00 ±.000					
MARKED ONLY		ANGLES		CAGE NUMBER		DRAWING NO.		REV.	
				D78-5100-0770-7		M			
				MODEL		3000 SERIES		SHT 2 OF 5	

3M™ FOUR-WALL HEADER, 2500 SERIES
.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

ORDERING INFORMATION
RIGHT ANGLE VERSION

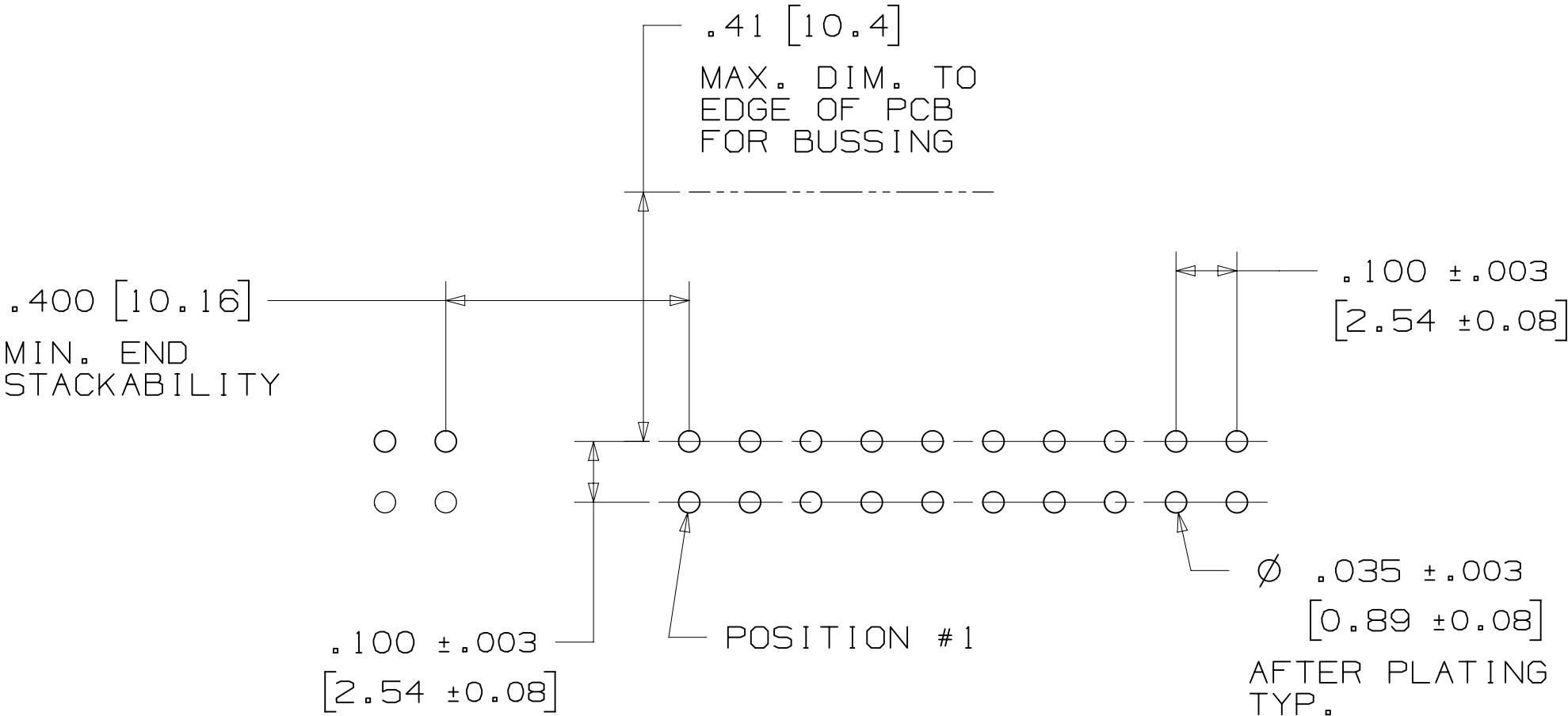
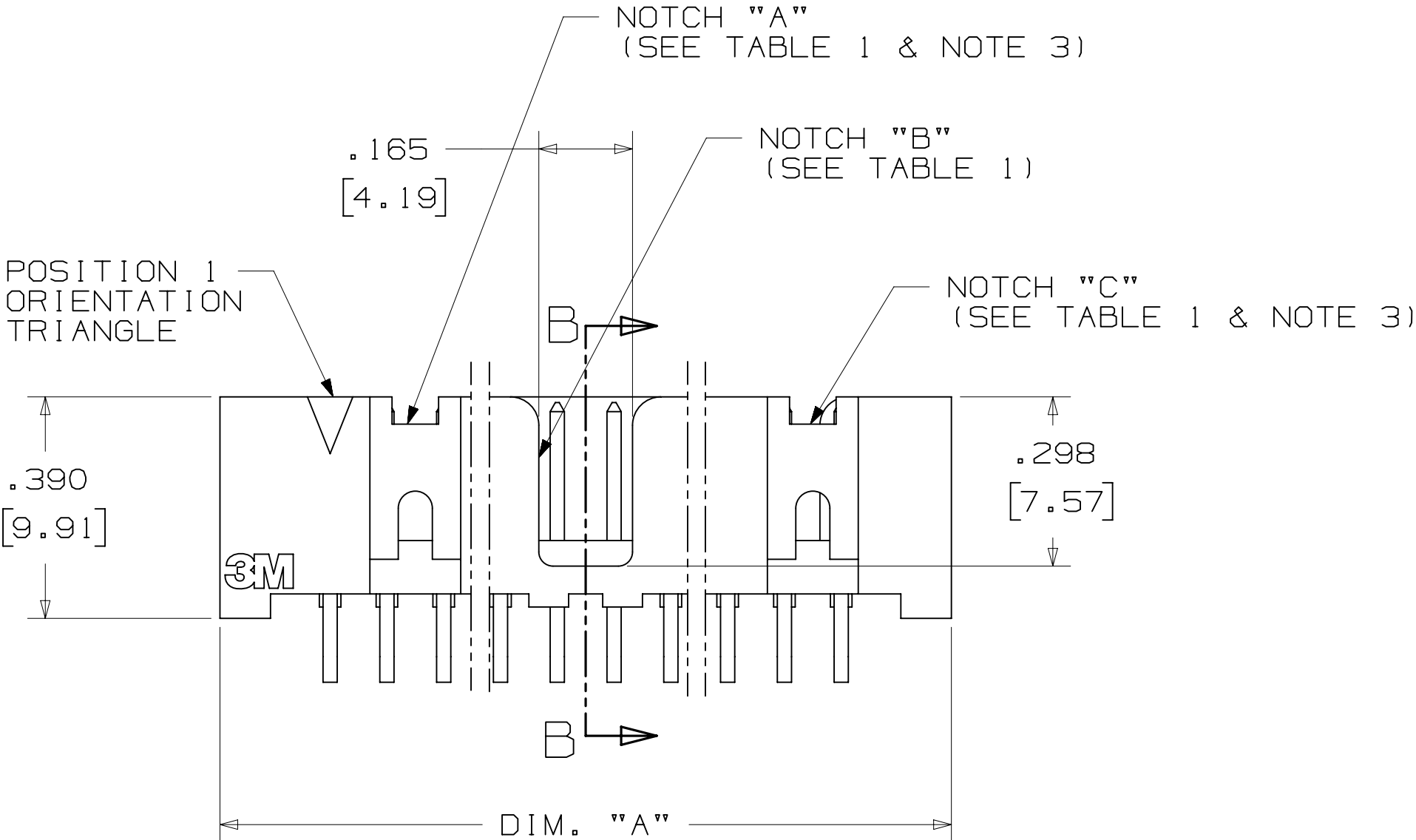
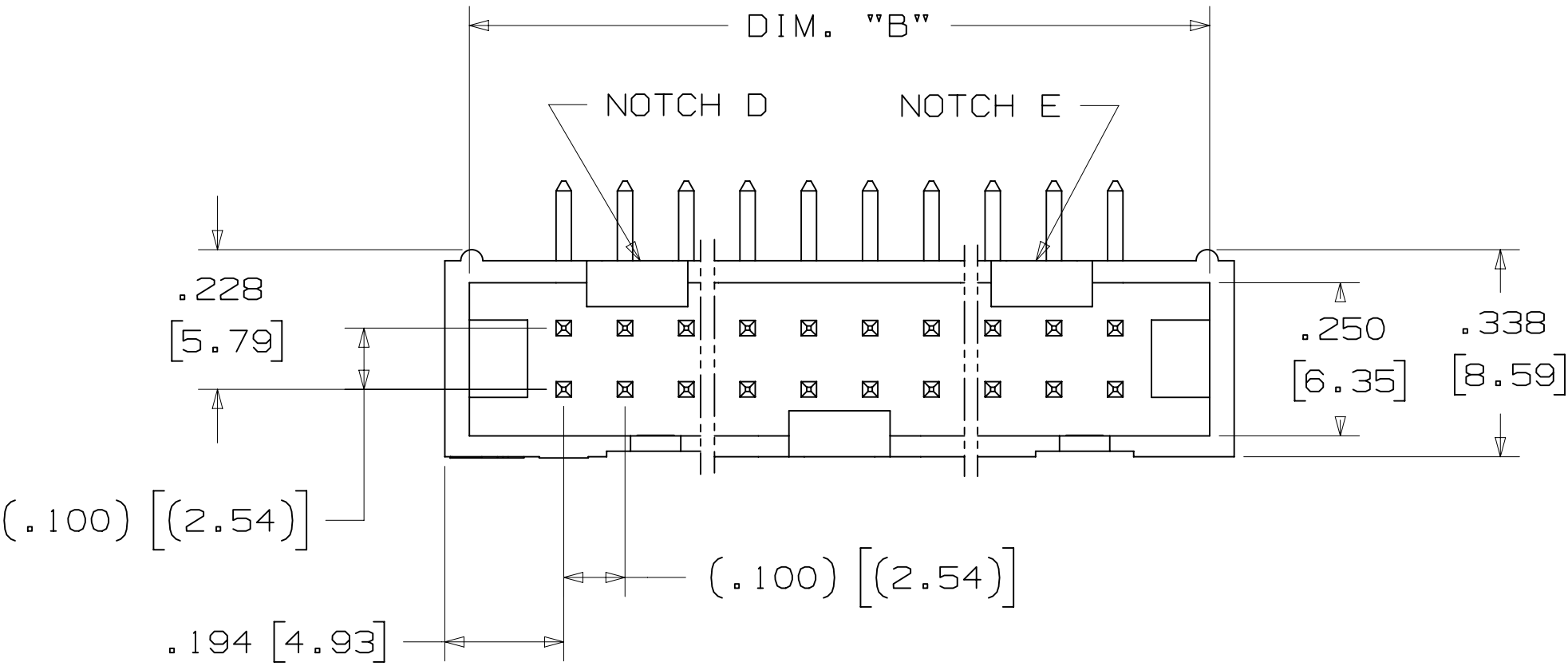
X25XX-50XX-XX

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

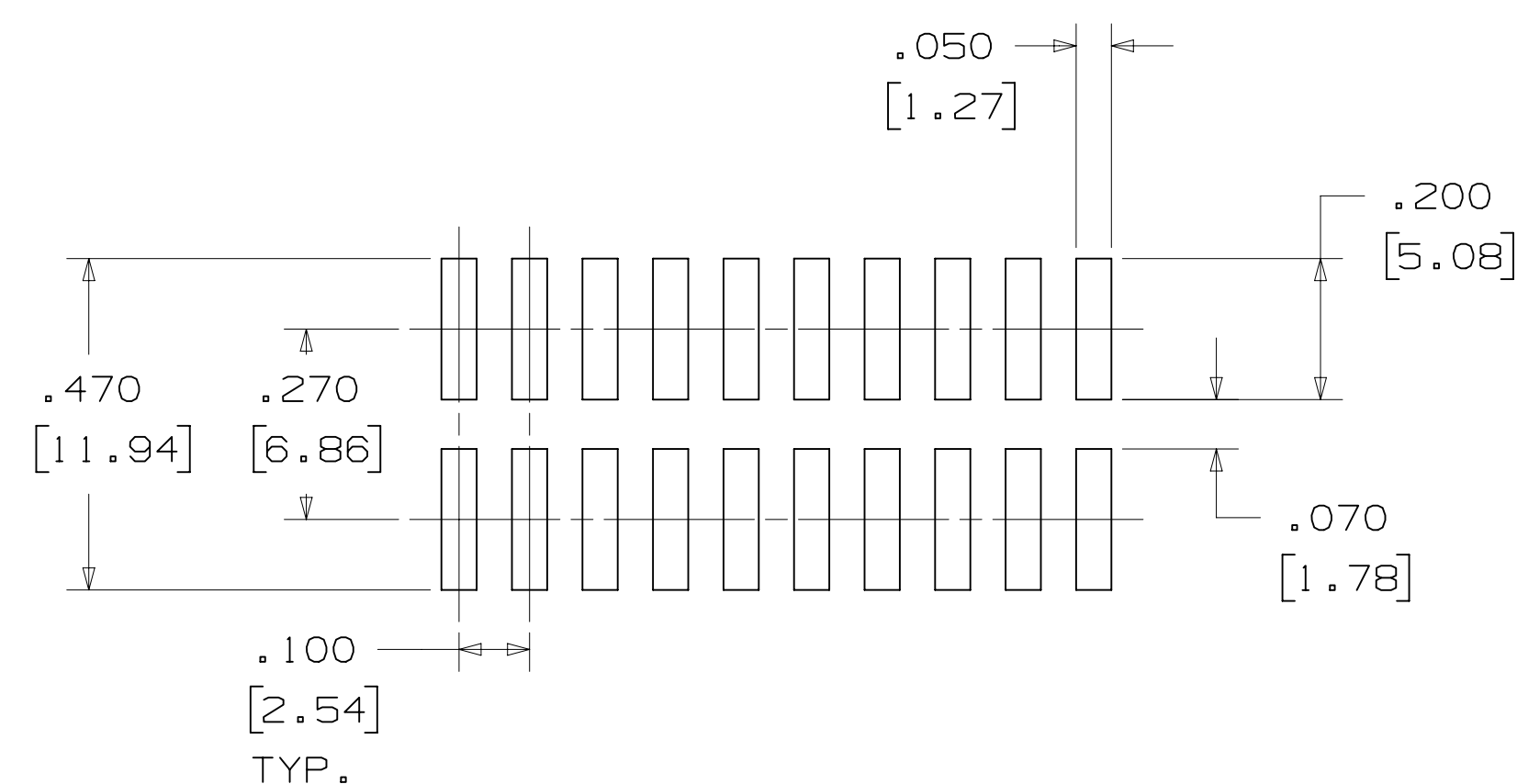
DESIGN REFERENCE		NEXT ASSEMBLY		REV. ECO		ISSUE DATE AND DESCRIPTION		DRFT CHKD	
X25XX-50XX-XX				ECO		AUG 11, 2014		MFG DATE	
DIVISION		DIVISION CODE		CHKD		DATE		DATE	
Interconnect Solutions		EMSD		R. SCHERER		SEP 05, 2014			
DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED		INCHES .00 ±.01 .000 ±.005 .0000 ±		MILLIMETERS 0 ±.3 .00 ±.13 .000 ±	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		DET SURFACES		MARKED ONLY	
TITLE		HEADER, 4-WALL, LO-PRO, .100 X .100, SMT, STRAIGHT & RA		CAGE NUMBER		DRAWING NO. D78-5100-0770-7		REV. M	
MODEL		3000 SERIES		LISTS		YES NO		SHT 3 OF 5	



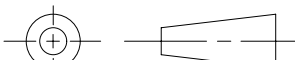
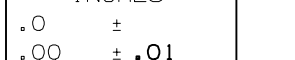
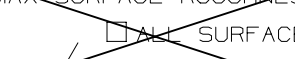
ORDERING INFORMATION

SURFACE MOUNT VERSION

- PLATING:
RB = 30μ" [0.76μm] AVG. GOLD
200μ" [5.08μm] MATTE TIN (RIA, E1 & C1 APPLY)



RECOMMENDED PAD LAYOUT

DESIGN REFERENCE				NEXT ASSEMBLY				M 56088		AUG 11, 2014				JNC		RS					
REV								ECO		REVISED AND REDRAWN											
DRFT								CASTIGLIONE		ISSUE DATE AND DESCRIPTION				MFG				DATE			
CHKD										AUG 11, 2014				APPR. R. SCHERER				DATE SEP 05, 2014			
DIVISION								DIVISION CODE		© 3M COPYRIGHT 2015 This document and the information it contains are 3M property and may not be reproduced or further distributed without the permission, in writing, of 3M. All rights reserved.								3M Center St. Paul, MN 55144			
Interconnect Solutions								EMSD													
DO NOT SCALE				SCALE				TOLERANCES EXCEPT AS NOTED				INCHES									
DRAWING				4				.0 ± .01 .00 ± .005 .0000 ±				.0 ± .3 .00 ± .13 .000 ±									
THIRD ANGLE PROJECTION										MILLIMETERS											
INTERPRET PER ASME Y14.5 - 2009										CAGE NUMBER								SMT DRAWING NO.			
MAX. SURFACE ROUGHNESS										D 78-5100-0770-7								REV.			
MAX. SURFACES										MODEL								3000 SERIES			
MARKED ONLY										DET.								YES YES NO SHT 4 OF			

LOW PROFILE LATCH

POLARIZING POST

Technical drawing of a mechanical part, showing two views: a front view (left) and a side view (right). Dimensions are provided in inches (top) and millimeters (bottom, in brackets).

Front View (Left):

- Top horizontal dimension: .144 [3.66]
- Left vertical dimension: .830 [21.08]
- Right vertical dimension: .573 [14.55]
- Bottom horizontal dimension: .057 [1.45]

Side View (Right):

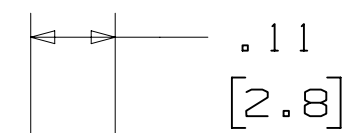
- Top horizontal dimension: .204 [5.18]
- Right vertical dimension: .043 [1.09]
- Bottom horizontal dimension: .118 [3.00]

PART NO.	MATERIAL	COLOR
3201-3	PCT	BLACK



3M PART NO.	MATERIAL	COLOR	DIM. "A"
N3518	LCP	BLACK	.02

SHORT/LONG SOCKET RETAINER CLIP



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]

3505-8XXX

CLIP HEIGHT CODE _____ PIN COUNT (SEE TABLE)

0 = .31 [7.9] FOR SOCKETS WITHOUT STRAIN RELIEF

1 = .53 [13.5] FOR SOCKETS WITH STRAIN RELIEF

AUG 11, 2014 REVISED AND REDRAWN		JNC	RS
M 56068			
DIVISION CODE EMSD		DIVISION CODE EMSD	
INTERCONNECT SOLUTIONS		INTERCONNECT SOLUTIONS	
DO NOT SCALE DRAWING 4 1		TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		THIRD ANGLE PROJECTION	
MAX. SURFACE ROUGHNESS 12.5		MAX. SURFACE ROUGHNESS 12.5	
MARKED ONLY		MARKED ONLY	
DATE AUG 11, 2014		DATE SEP 05, 2014	
DRAWN BY CASTIGLIONE		DRAWN BY CASTIGLIONE	
CHECKED DATE		CHECKED DATE	
APPROVAL R. SCHERER		APPROVAL R. SCHERER	
3M CENTER ST. PAUL, MN 55144		3M CENTER ST. PAUL, MN 55144	
TITLE HEADER, 4-WALL, LO-PRO, .100 X .100, SMT, STRAIGHT & RA		TITLE HEADER, 4-WALL, LO-PRO, .100 X .100, SMT, STRAIGHT & RA	
CAGE NUMBER D 78-5100-7		CAGE NUMBER D 78-5100-7	
SIZE DRAWING NO.		SIZE DRAWING NO.	
MODEL 3000 SERIES		MODEL 3000 SERIES	
DET. 1ST YES YES NO NO		DET. 1ST YES YES NO NO	
SHT 5 OF 5		SHT 5 OF 5	