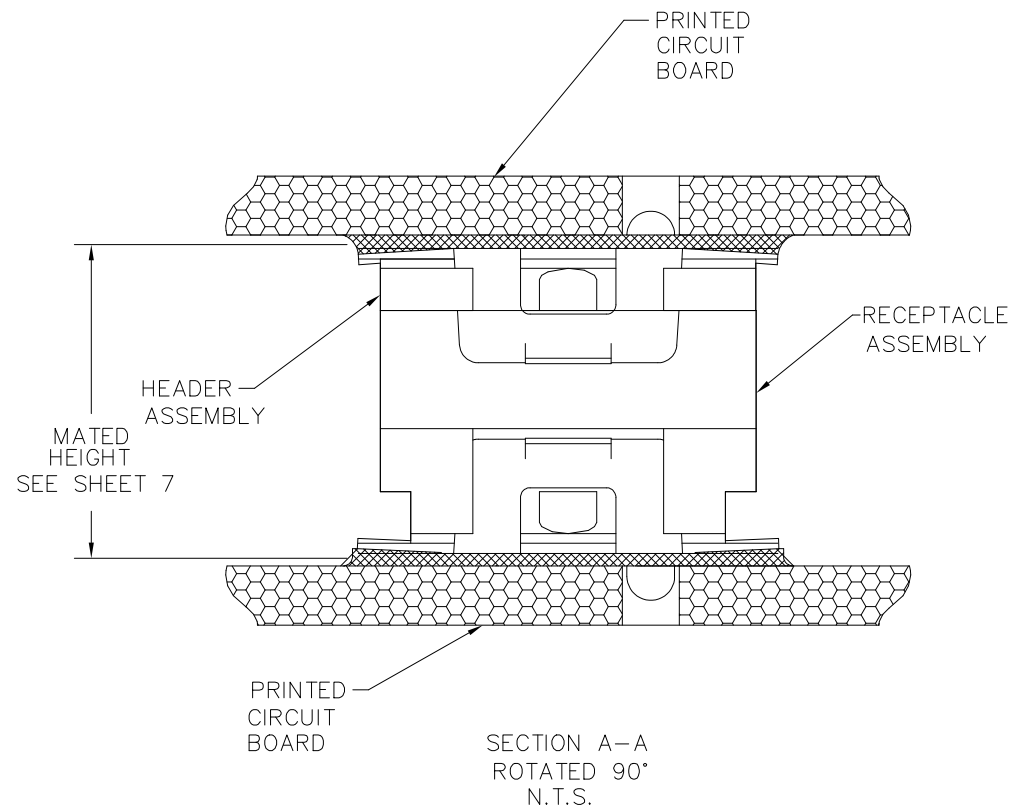
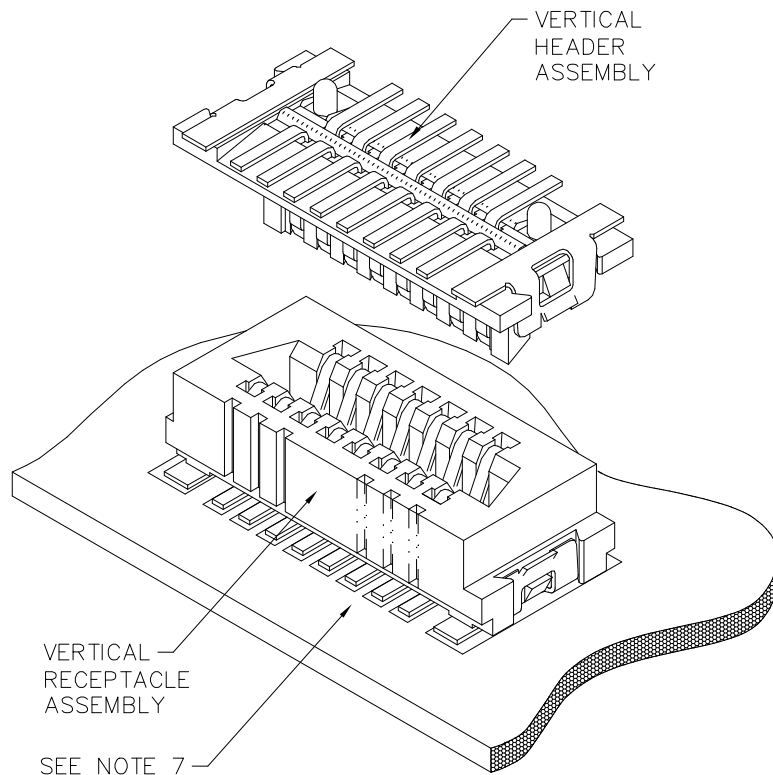
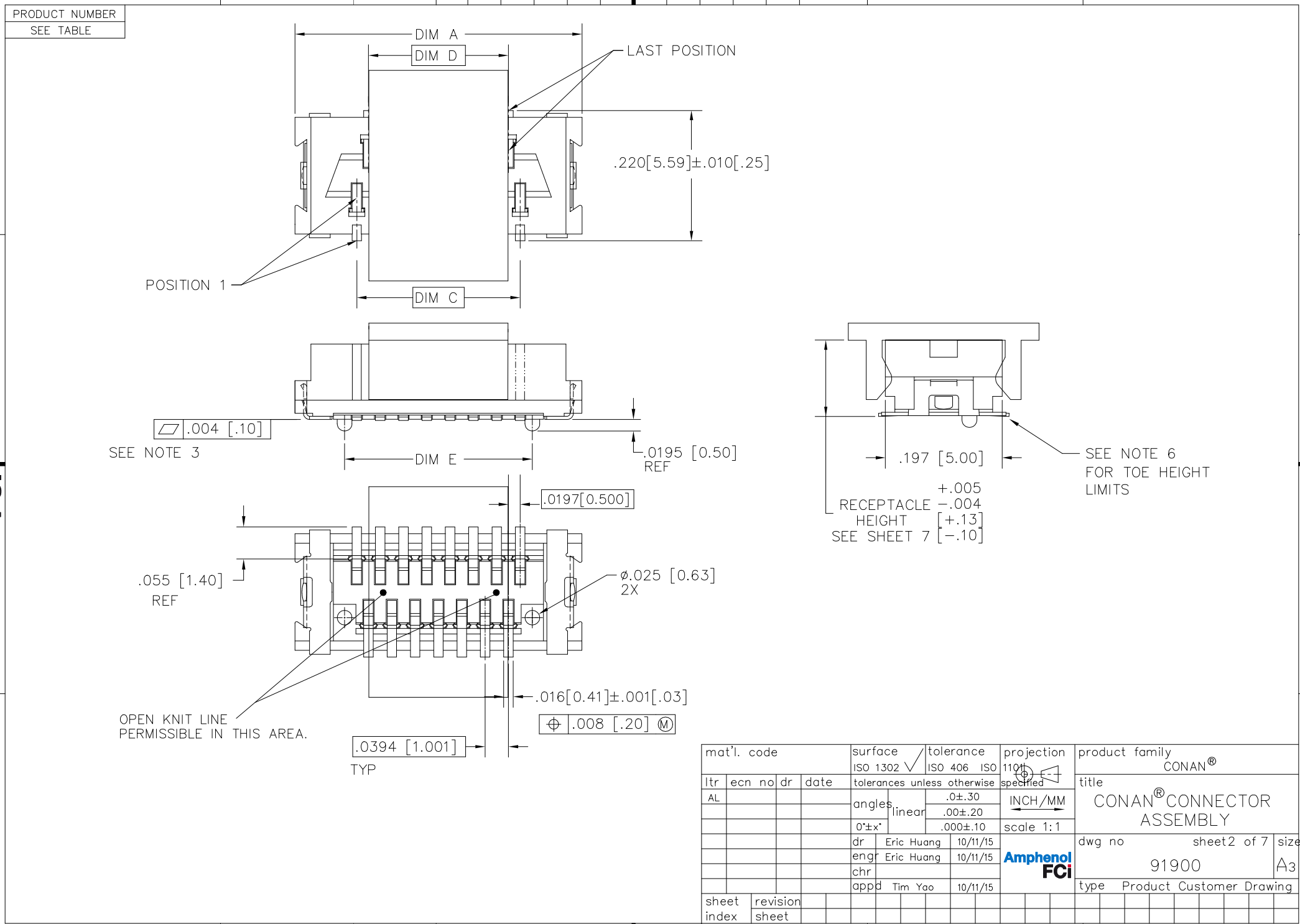




mat'l. code				surface			tolerance			projection		product family				
				ISO 1302 ✓			ISO 406 ISO 1101					CONAN®				
ltr	ecn no	dr	date	tolerances unless otherwise specified					INCH/MM		title					
AG	ELX-N-14208	GM	03/07/13	angles				.0±.30				CONAN® CONNECTOR ASSEMBLY				
AH	ELX-N-22454	EH	10/11/15	linear				.00±.20								
AJ	—	EH	12/12/15	0°±x'				.000±.10		scale 1:1						
AK	ELX-N-26578	TONY	04/07/17	dr	Eric Huang		10/11/15				dwg no					
AL	ELX-N-26810	TONY	04/26/17	engr	Eric Huang		10/11/15		Amphenol FCI		sheet 1 of 7					
				chr							91900					
AF	M08-0287	MHT	10/02/08	appd	Tim Yao		10/11/15				size					
sheet	revision	AL	AL	AL	AL	AL	AL	AL	AL							
index	sheet	1	2	3	4	5	6	7								
type Product Customer Drawing																



mat'l. code				surface		tolerance		projection		product family						
				ISO 1302 ✓		ISO 406 ISO 1101				CONAN®						
ltr	ecn	no	dr	date		tolerances unless otherwise specified				title						
AL						angles		linear		.0±.30		INCH/MM		CONAN® CONNECTOR ASSEMBLY		
						0°±x'				.00±.20						
										.000±.10		scale 1:1				
						dr	Eric Huang		10/11/15				dwg no		sheet2 of 7	size
						engr	Eric Huang		10/11/15		Amphenol FCI		91900		A3	
						chr										
						appd	Tim Yao		10/11/15				type		Product Customer Drawing	
sheet index		revision sheet														



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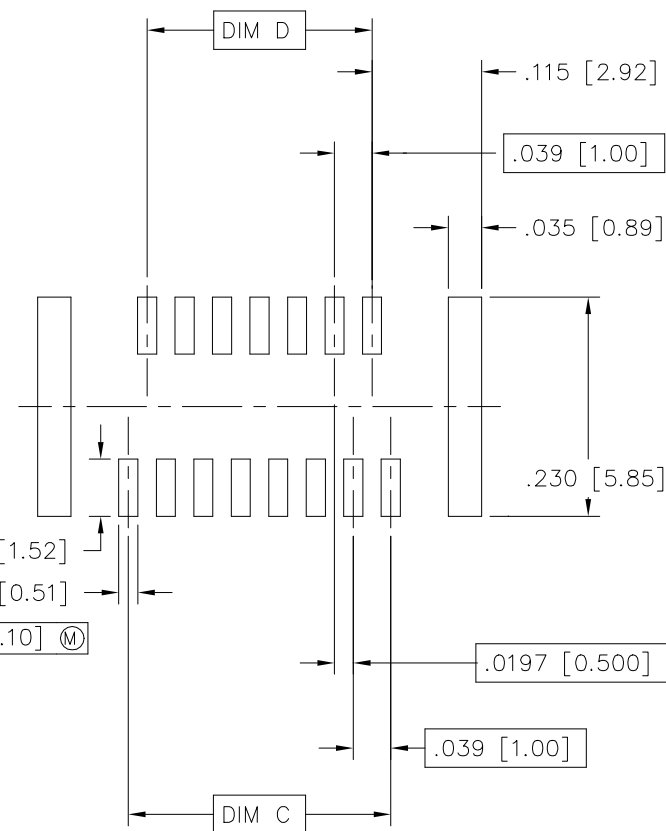
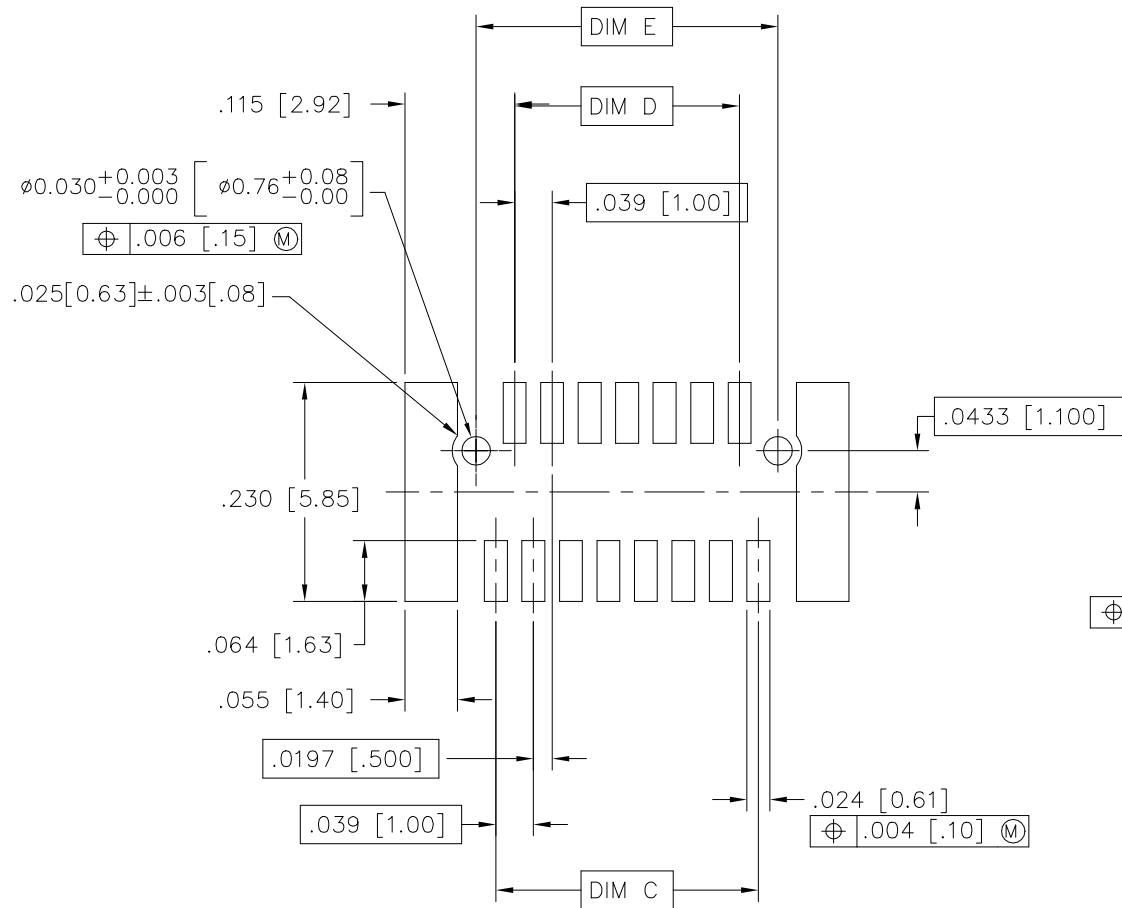
A

B

C

D

PRODUCT NUMBER
SEE TABLE



A

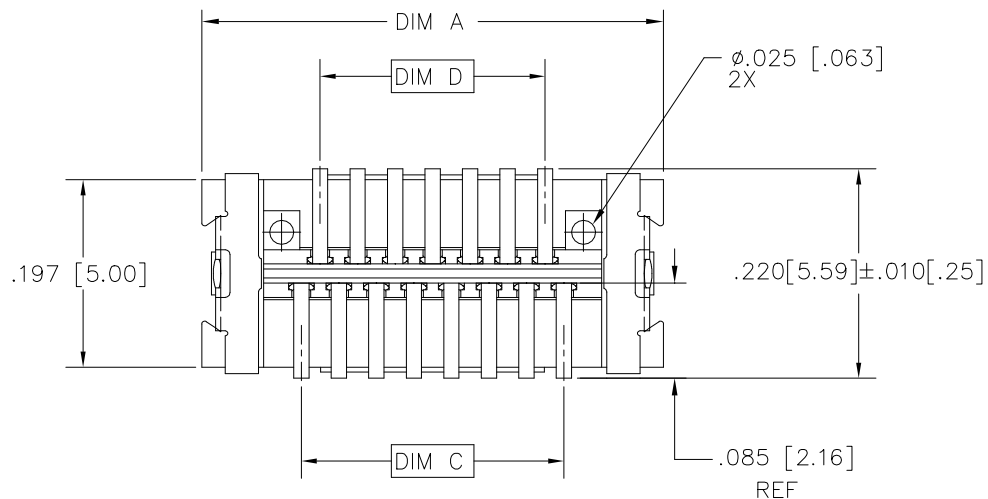
B

C

D

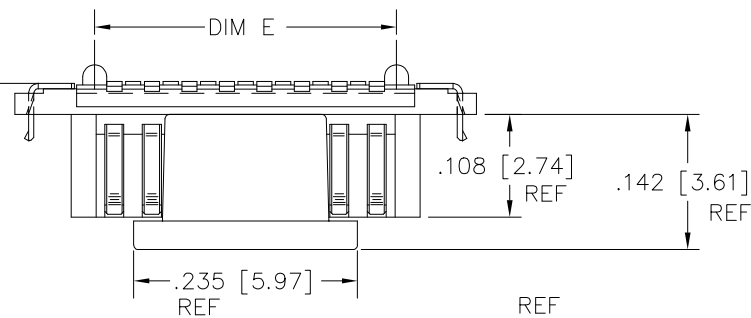
mat'l. code				surface	tolerance	projection	product family			
ltr				ISO 1302	ISO 406	ISO 1101	CONAN®			
ecn no				tolerances unless otherwise specified			title			
dr				angles	linear	INCH/MM	CONAN® CONNECTOR ASSEMBLY			
date				0°±x'		scale 1:1	dwg no			
				dr	Eric Huang	10/11/15	sheet 3 of 7			
				engr	Eric Huang	10/11/15	size			
				chr			91900			
				appd	Tim Yao	10/11/15	type			
sheet index				revision	sheet		Product Customer Drawing			

PRODUCT NUMBER
SEE TABLE

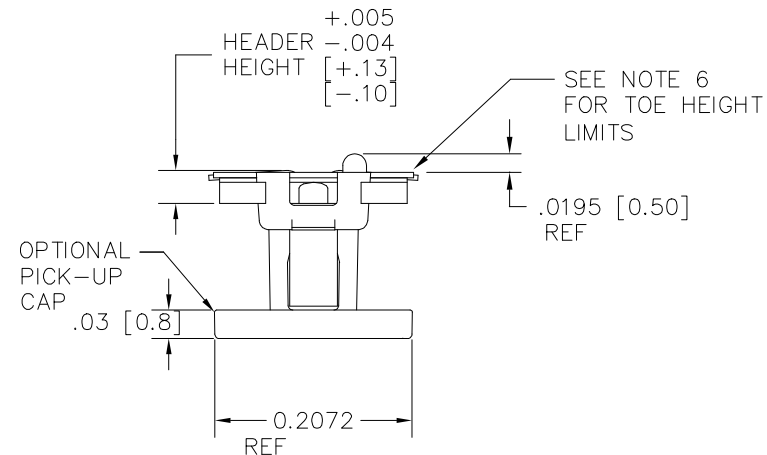
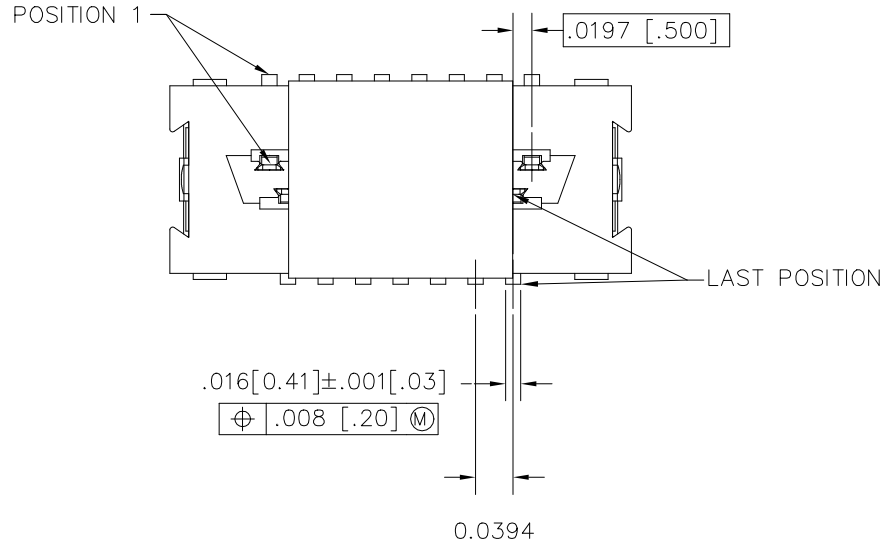


0.004 [.10]
SEE NOTE 3

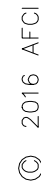
POSITION 1



REF



mat'l. code				surface	tolerance	projection	product family			
				ISO 1302	ISO 406	ISO 1101	CONAN®			
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title			
AL					angles	linear	CONAN® CONNECTOR ASSEMBLY			
					0°±x'		dwg no			
							sheet 4 of 7			
					dr	Eric Huang	size			
					eng	Eric Huang	A3			
					chr		91900			
					appd	Tim Yao	type			
							Product Customer Drawing			
sheet index	revision sheet									



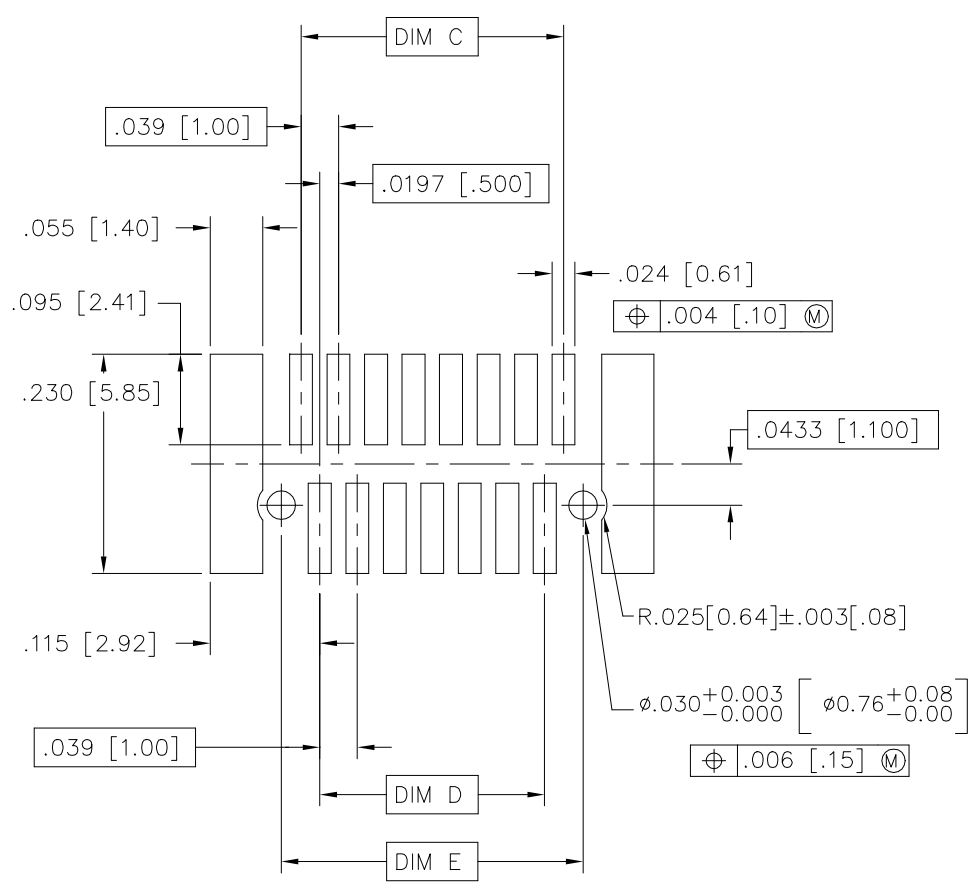
A

B

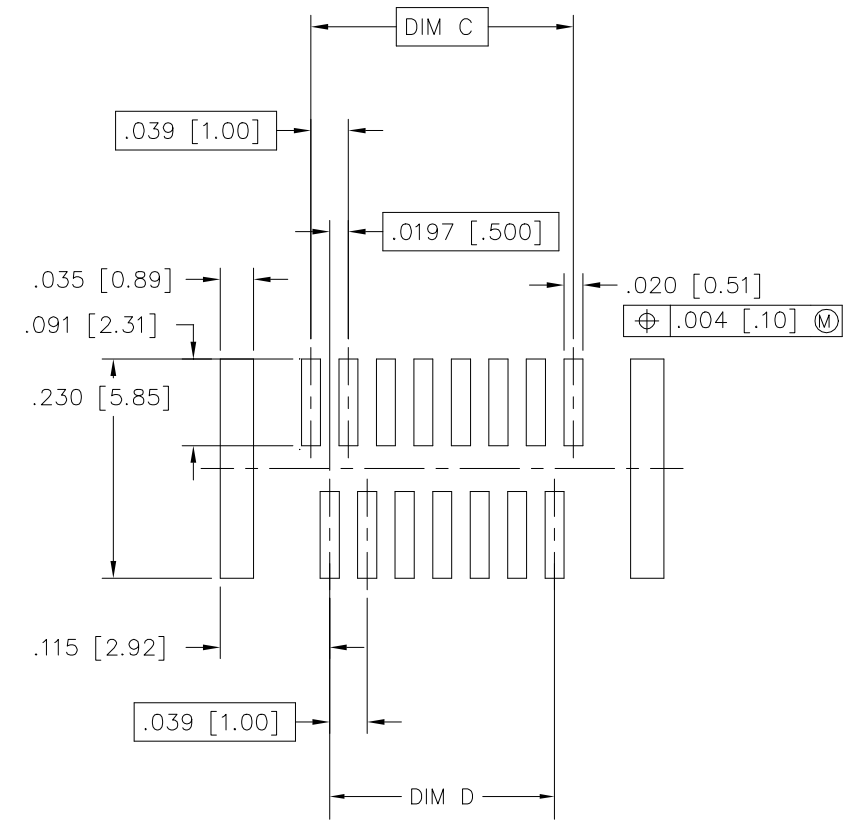
C

D

PRODUCT NUMBER
SEE TABLE



RECOMMENDED
PAD LAYOUT



RECOMMENDED
STENCIL LAYOUT
FOR HEADER

mat'l. code				surface	tolerance	projection	product family			
				ISO 1302	ISO 406	ISO 1101	CONAN®			
ltr	ecn no	dr	date	tolerances unless otherwise specified			title			
AL				angles	linear	INCH/MM	CONAN® CONNECTOR ASSEMBLY			
				0°±x'		scale 1:1				
				dr	Eric Huang	10/11/15	dwg no		sheet 5 of 7	size
				engr	Eric Huang	10/11/15	91900			A3
				chr						
				appd	Tim Yao	10/11/15	type Product Customer Drawing			
sheet index	revision sheet									

A

B

C

D



Amphenol
FCI

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D

PRODUCT NUMBER	POS	DIM "A"	DIM "C"	DIM "D"	DIM "E"
919TC-WXY09	9	.366 [9.30]	.157 [4.00]	.118 [3.00]	.1990 [5.055]
↑ -WXY09LF					
-WXY11	11	.406 [10.30]	.197 [5.00]	.157 [4.00]	.2380 [6.045]
-WXY11LF					
-WXY15	15	.484 [12.30]	.276 [7.00]	.236 [6.00]	.3170 [8.052]
-WXY15LF					
-WXY21	21	.602 [15.30]	.394 [10.00]	.354 [9.00]	.4350 [11.049]
-WXY21LF					
-WXY25	25	.681 [17.30]	.472 [12.00]	.433 [11.00]	.5140 [13.056]
-WXY25LF					
-WXY31	31	.800 [20.30]	.591 [15.00]	.551 [14.00]	.6320 [16.053]
-WXY31LF					
-WXY41	41	.996 [25.30]	.787 [20.00]	.748 [19.00]	.8290 [21.057]
-WXY41LF					
-WXY51	51	1.193 [30.30]	.984 [25.00]	.945 [24.00]	1.0260 [26.060]
-WXY51LF					
-WXY69	69	1.547 [39.30]	1.339 [34.00]	1.299 [33.00]	1.3800 [35.052]
↓ -WXY69LF					

NOTES:

1. MATERIALS:

RECEPTACLE HOUSING - LCP, UL-94V-0. COLOR: NATURAL.

RECEPTACLE TERMINALS - COPPER ALLOY,
PLATED WITH 15u"/.38u GXT™ IN CONTACT AREA
AND 100u"/2.54u Sn ON SOLDER LEGS WITH
AN OVERALL 50u"/1.27u Ni UNDERPLATE.

HEADER HOUSING - LCP, UL-94V-0. COLOR: NATURAL.

HEADER TERMINALS - COPPER ALLOY,
PLATED WITH 15u"/.38u GXT™ IN CONTACT AREA
AND 100u"/2.54u Sn ON SOLDER LEGS WITH
AN OVERALL 50u"/1.27u Ni UNDERPLATE.

RETENTION DEVICE - BRASS,
PLATED WITH 100u"/2.54u Sn OVER NICKEL.

2. REFERENCE GS-12-006 FOR PRODUCT PERFORMANCE DATA.

3. SEE TA-774 FOR FURTHER DESCRIPTION OF
HOW THIS DIMENSION IS APPLIED.

4. PICK AND PLACE CAP OR TAPE IS ONLY AVAILABLE WITH
OPTION 3 PACKAGING. (PSA ADHESIVE SEALED).
ALSO, PSA PACKAGING REQUIRES A PICK AND
PLACE CAP.

5. RECOMMENDED SOLDER PASTE THICKNESS IS
.006 TO .008 INCHES THICK.

6. THE TOE HEIGHT OF THE SOLDER TAIL SHALL BE
MEASURED FROM THE LOWEST POINT OF THE .004
CO-PLANARITY GRAVITY PLANE. THIS MEASUREMENT
IS NOT TO EXCEED A WINDOW OF .000 TO .007 INCHES.

7. THREE SLOTS MAY BE LOCATED AT EITHER END OF
HOUSING.

8. 5.50mm MATED HEIGHT IS ONLY AVAILABLE
IN 9, 15 AND 31 POS.

9. 7.50mm MATED HEIGHT IS ONLY AVAILABLE
IN 9 POS.

10. APPLIES TO 91921-3XYZZ AND
91931- 3XYZZ OPTIONS ONLY.

11. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE
FOR 30 SECONDS IN A CONVECTION INFRA RED OR VAPOR PHASE
REFLOW OVEN. SEE APPLICATION/PROCEDURES IF THEY ARE AVAILABLE

13. PRODUCT WITH "LF" AT THE END MEETS EUROPEAN UNION DIRECTIVES AND OTHER
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 1101	product family CONAN®			
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title			
AL					angles	.0±.30	INCH/MM		CONAN® CONNECTOR ASSEMBLY	
					linear	.00±.20				
					0°±x'	.000±.10	scale 1:1		dwg no	
				dr	Eric Huang	10/11/15	Amphenol FCI		sheet 6 of 7	
				engr	Eric Huang	10/11/15			91900	
				chr					A3	
				appd	Tim Yao	10/11/15			type Product Customer Drawing	
sheet	revision									
index	sheet									

CONAN® ASSEMBLY PART NUMBER

LEAD FREE OPTION
SEE NOTE 12

919 T C - W X Y ZZ LF

TYPE	T
HEADER WITH NO PEGS	0
HEADER WITH PEGS	1
RECEPTACLE WITH NO PEGS	2
RECEPTACLE WITH PEGS	3

PICK AND PLACE CAP OR TAPE (NOTE 4)	C
WITHOUT CAP OR TAPE	0
WITH CAP	1
WITH TAPE (RECEPTACLE ONLY)	2

PACKAGING	W
TUBE	2
PRESSURE SEALED TAPE & REEL	3

NOTE 4

Y	HEADER HEIGHT	RECEPTACLE HEIGHT	MATED HEIGHT $\begin{matrix} +.010 \\ -.008 \\ [+ .25] \\ [- .20] \end{matrix}$
1	.034 [.86]	.129 [3.28]	.163 [4.15]
2	.048 [1.23]	SEE Y=1 FOR ALL RECEPTACLES	.177 [4.50]
3	.068 [1.73]		.197 [5.00]
4	.107 [2.72]		.236 [6.00]
5	.1465 [3.721]		.276 [7.00]
6	.088 [2.23]		.216 [5.50]
7	.1665 [4.229]		.296 [7.52]

*
* *
* NOTE 8
* * NOTE 9

X	PLATING
1	15u"/.38u GXT™
2	30u"/.76u GXT™

ZZ	NUMBER OF POSITIONS
09	9
11	11
15	15
21	21
25	25
31	31
41	41
51	51
69	69

EXAMPLE: 91921-31125LF
IS A CONAN® RECEPTACLE ASSEMBLY,
HAVING NO PEGS AND WITH A PICK AND PLACE CAP.
IT ALSO HAS GXT™ PLATING, IS .13 [3.2] HIGH AND 25
POSITIONS AND IS PACKAGED IN PRESSURE SEALED TAPE,
REEL AND LEAD FREE.

mat'l. code				surface ISO 1302 ☒	tolerance ISO 406 ISO 1101	projection 1101	product family CONAN®			
ltr	ecn no	dr	date	tolerances unless otherwise specified		 INCH/MM	title CONAN® CONNECTOR ASSEMBLY			
AL				angles	.0±.30		dwg no sheet 7 of 7 size 91900 A3			
				linear	.00±.20					
				0°±x'	.000±.10	scale 1:1	type Product Customer Drawing			
				dr	Eric Huang	10/11/15				
				engr	Eric Huang	10/11/15				
				chr						
				appd	Tim Yao	10/11/15				
sheet index	revision sheet									