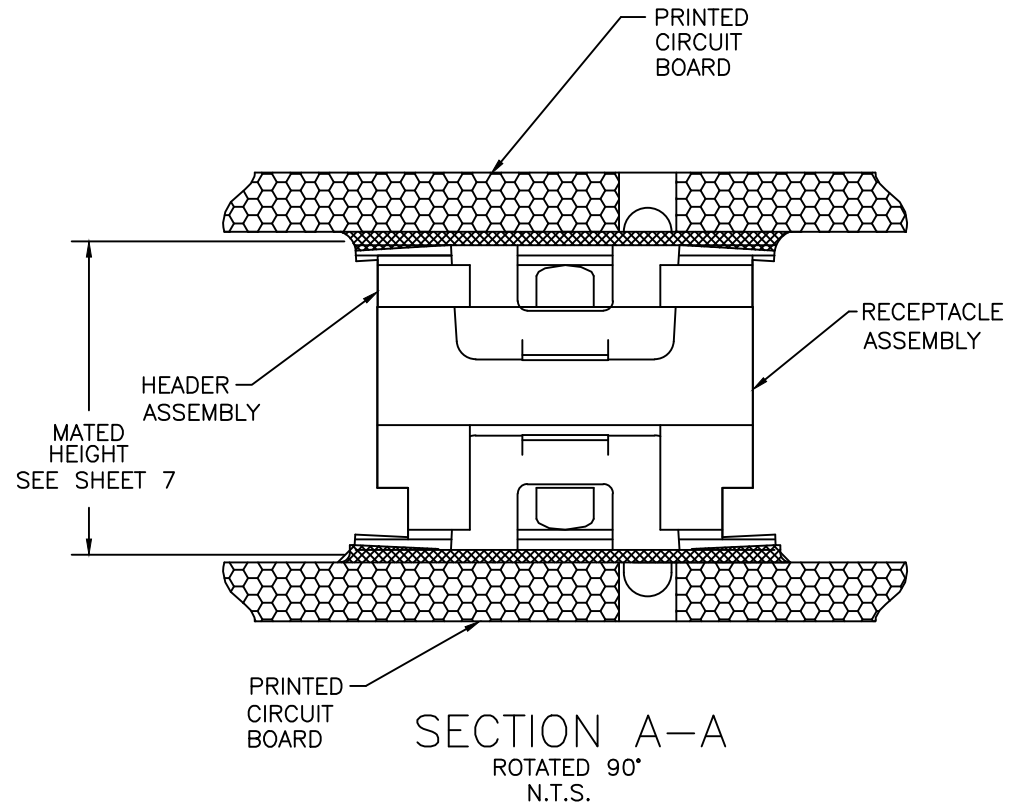
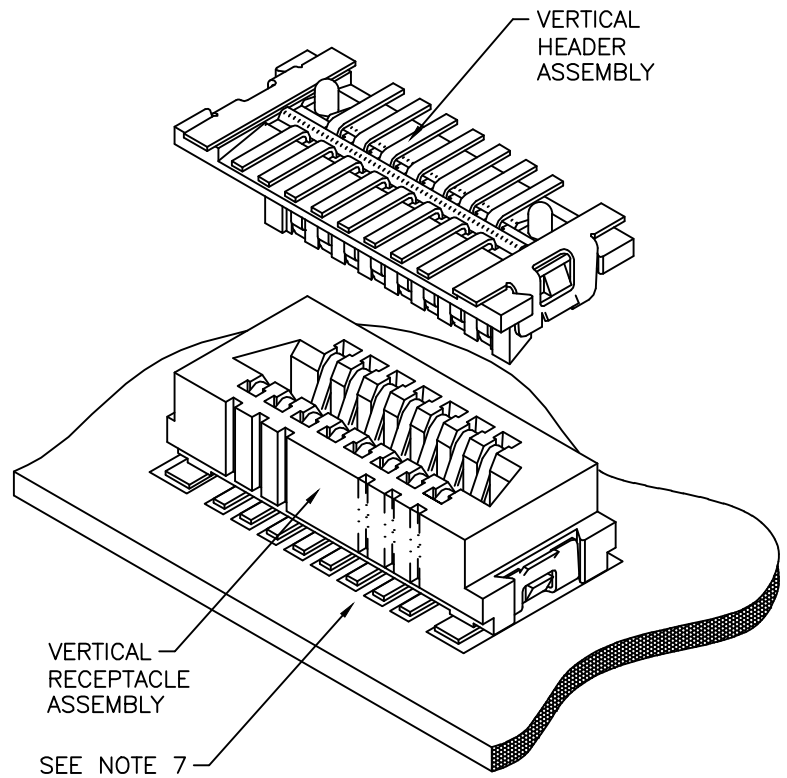


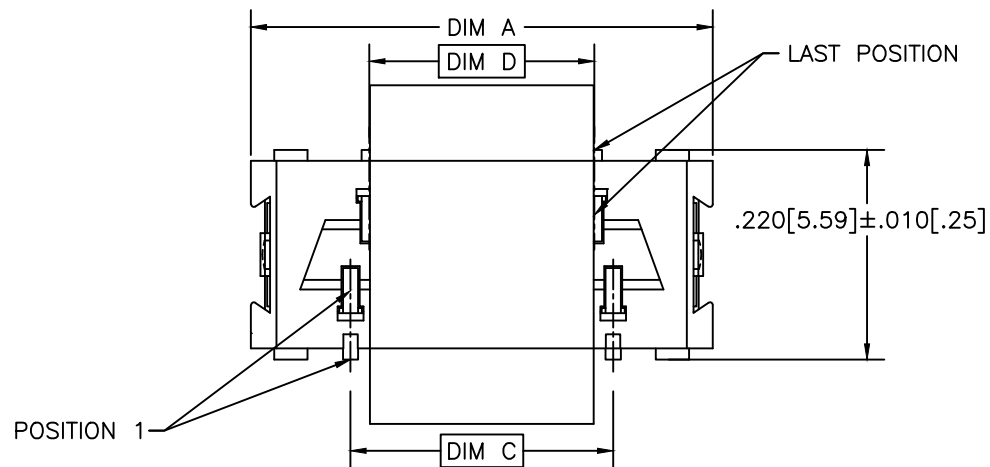


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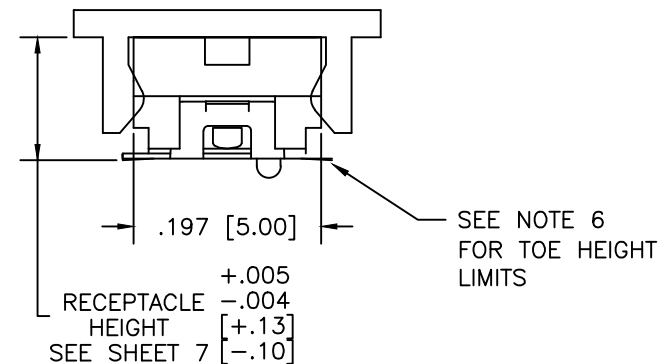
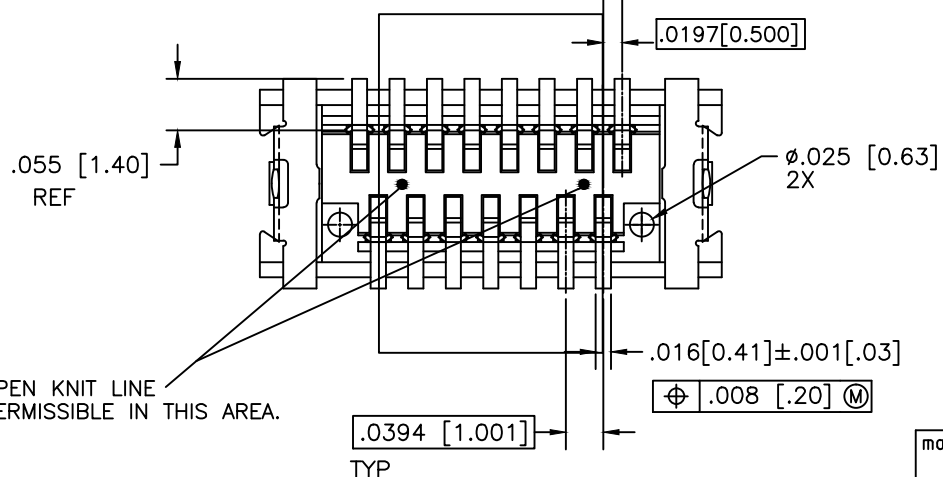
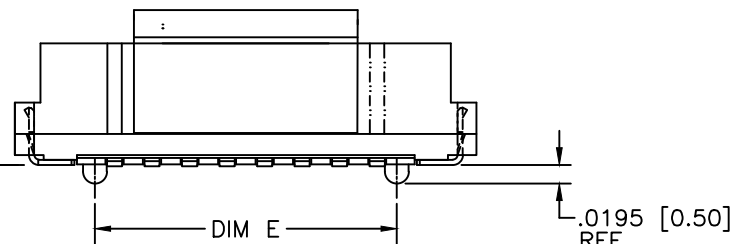
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ltr	ecn no	dr	date	tolerances unless otherwise specified						title				
AG	ELX-N-14208	GM	03/07/13	angles	linear	XXX±.01/XX±.3				CONAN CONNECTOR ASSEMBLY				
AH	ELX-N-22454	EH	10/11/15			XXX±.005/XXX±.13		scale 5:1						
AJ	-	EH	12/12/15	0°±2'		XXXX±.0020/XXXX±.0051								
-	-	-	-	dr	Eric Huang	10/11/15				dwg no		sheet 1 of 7		size
AD	M06-0373	MHT	09/26/06	enrg	Eric Huang	10/11/15				91900		A3		
AE	M08-0012	AGS	01/11/08	chr							Product Customer Drawing			
AF	M08-0287	MHT	10/02/08	appd	Tim Yao		10/11/15							
sheet	revision	AG	AG	AG	AG	AG	AG							
index	sheet	1	2	3	4	5	6	7						

PRODUCT NUMBER
SEE TABLE



.220[5.59]±.010[.25]

SEE NOTE 3
∠ .004 [.10]

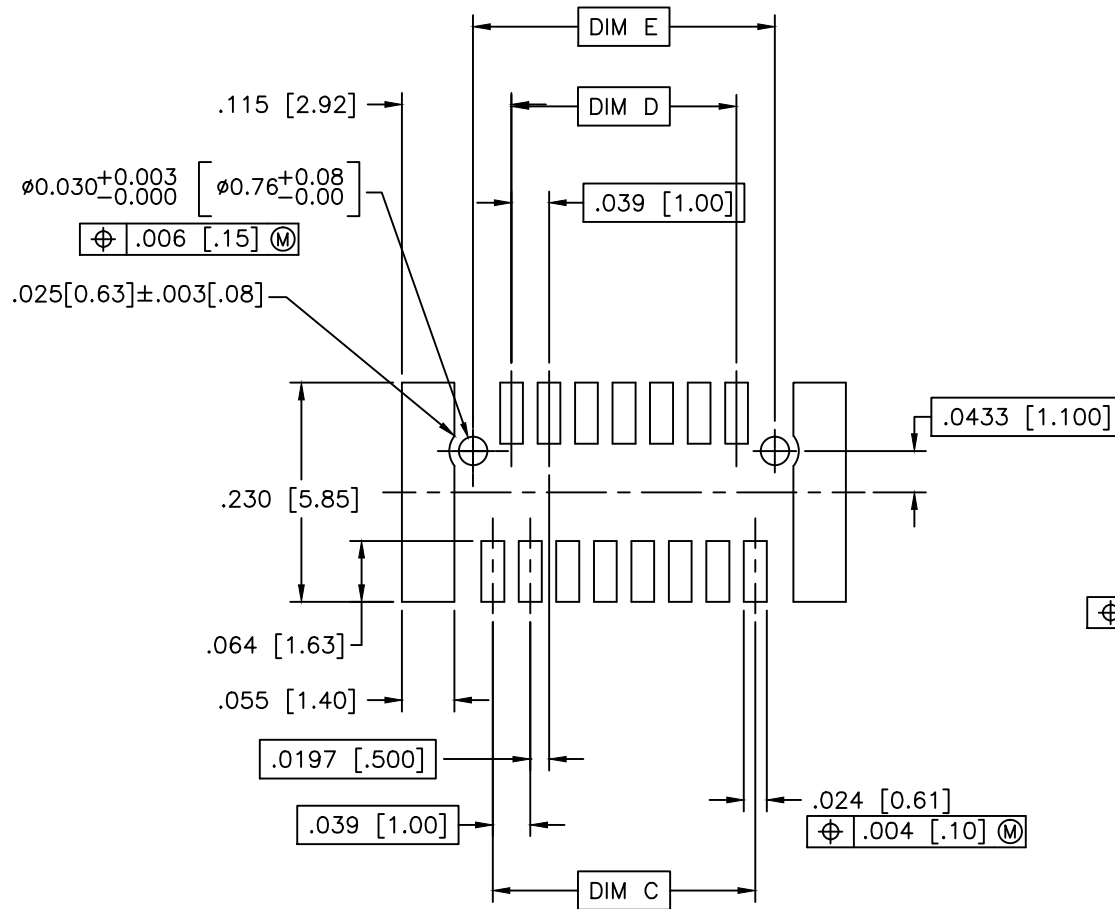
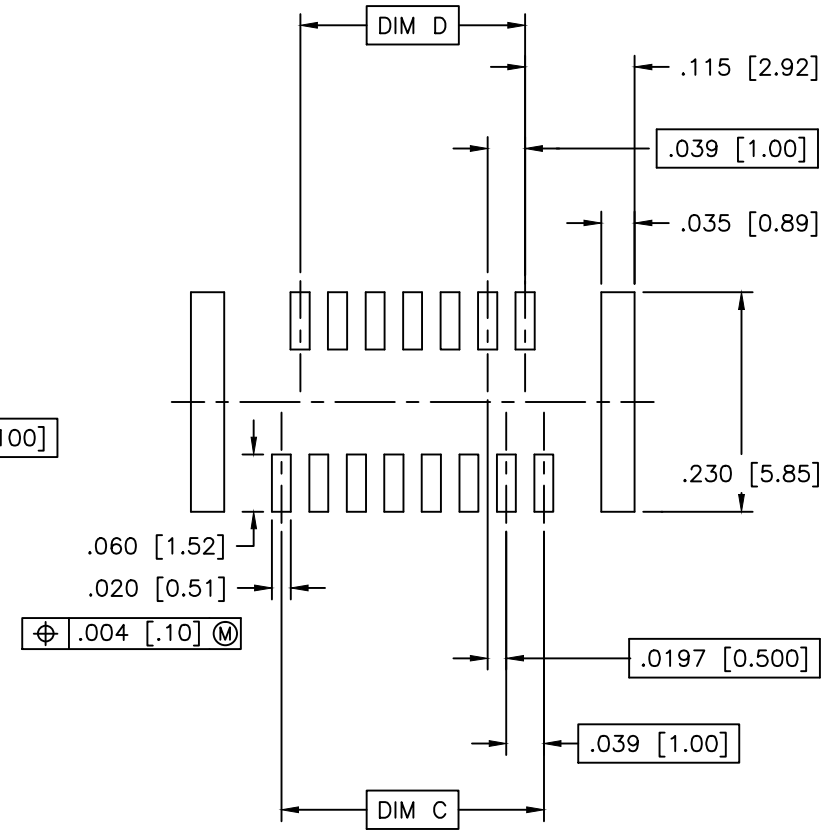


mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection INCH/MM	product family CONAN®
ltr	ecn no	dr	date	tolerances unless otherwise specified		scale 5:1	title CONAN® CONNECTOR ASSEMBLY
AJ				angles	linear		
				0°±2'			
		dr	Eric Huang	11/10/15		FCJ	dwg no 91900
		enr	Eric Huang	11/10/15			
		chr	-	-			
		appd	Tim Yao	11/10/15			
sheet index	revision sheet						type Product Customer Drawing



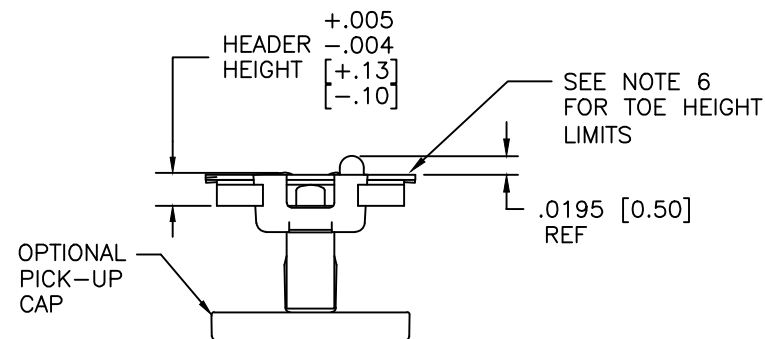
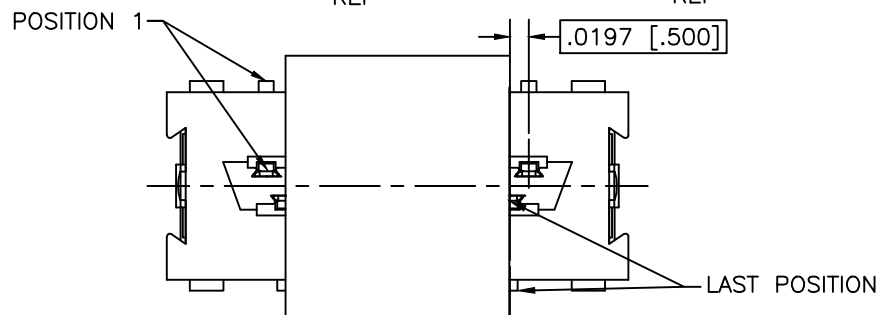
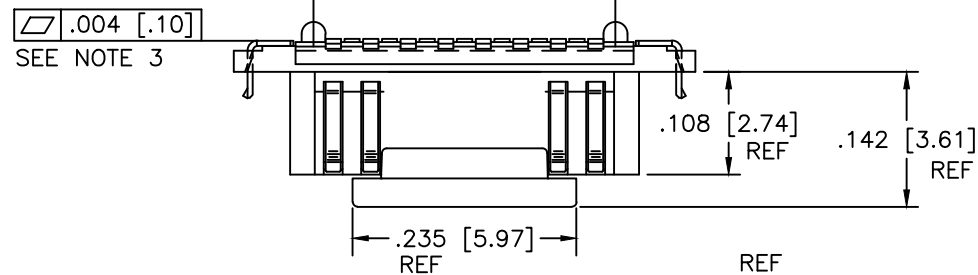
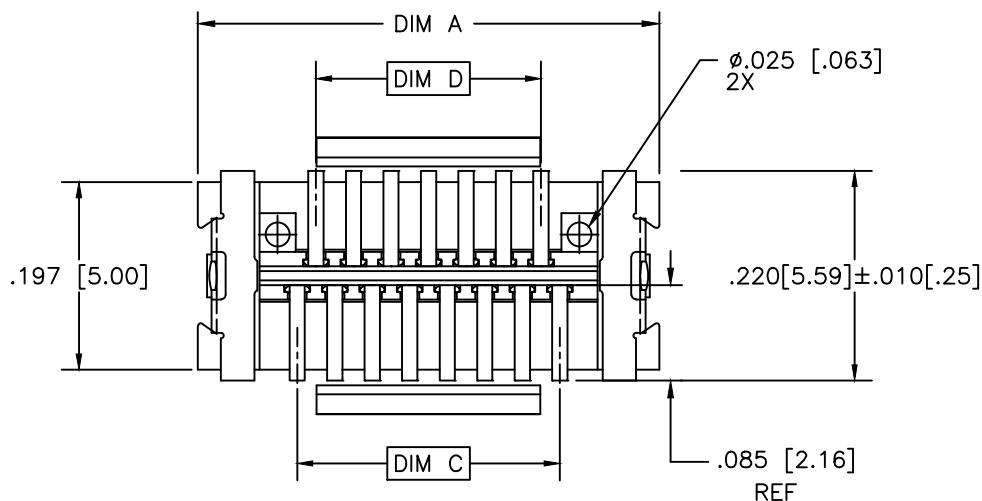
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PRODUCT NUMBER
SEE TABLERECOMMENDED
PAD LAYOUTRECOMMENDED
STENCIL LAYOUT
FOR RECEPTACLE

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection 	product family CONAN®			
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM	title CONAN® CONNECTOR ASSEMBLY			
AJ				angles	linear					
				0°±2°						
				dr	Eric Huang	11/10/15	FCI scale 5:1	dwg no		sheet 3 of 7
				enr	Eric Huang	11/10/15		91900		A3
				chr	-	-		type Product Customer Drawing		
				appd	Tim Yao	11/10/15				
sheet index	revision sheet									

PRODUCT NUMBER
SEE TABLE

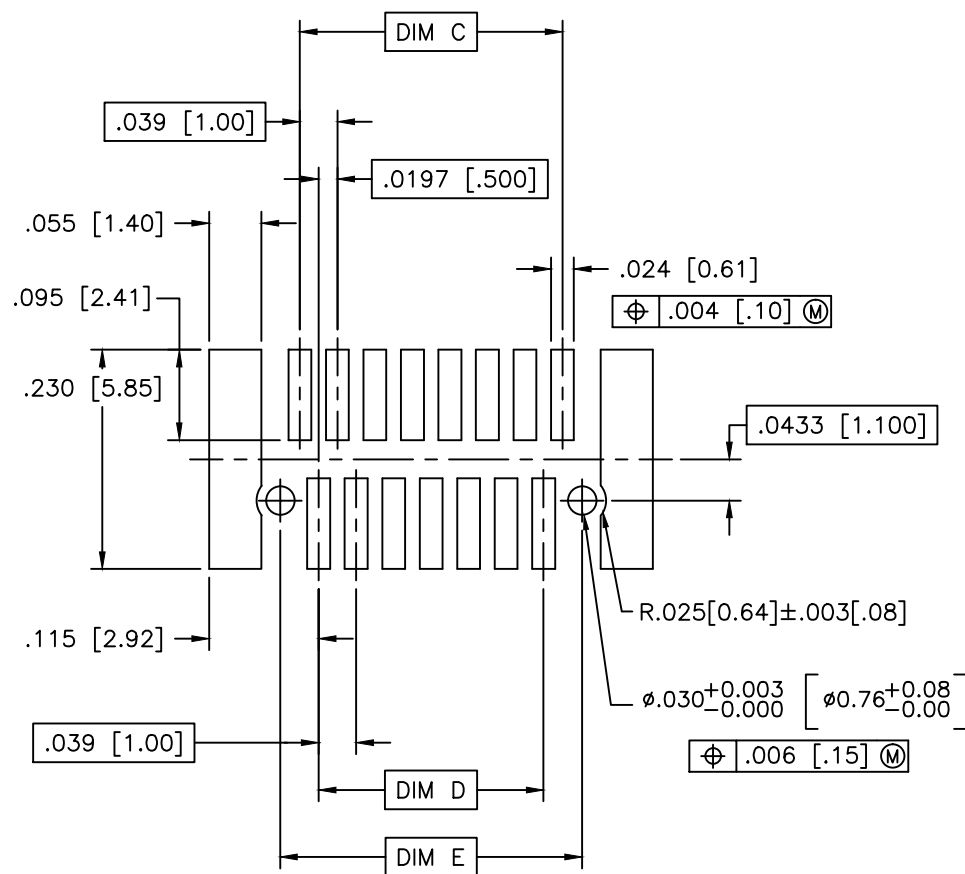
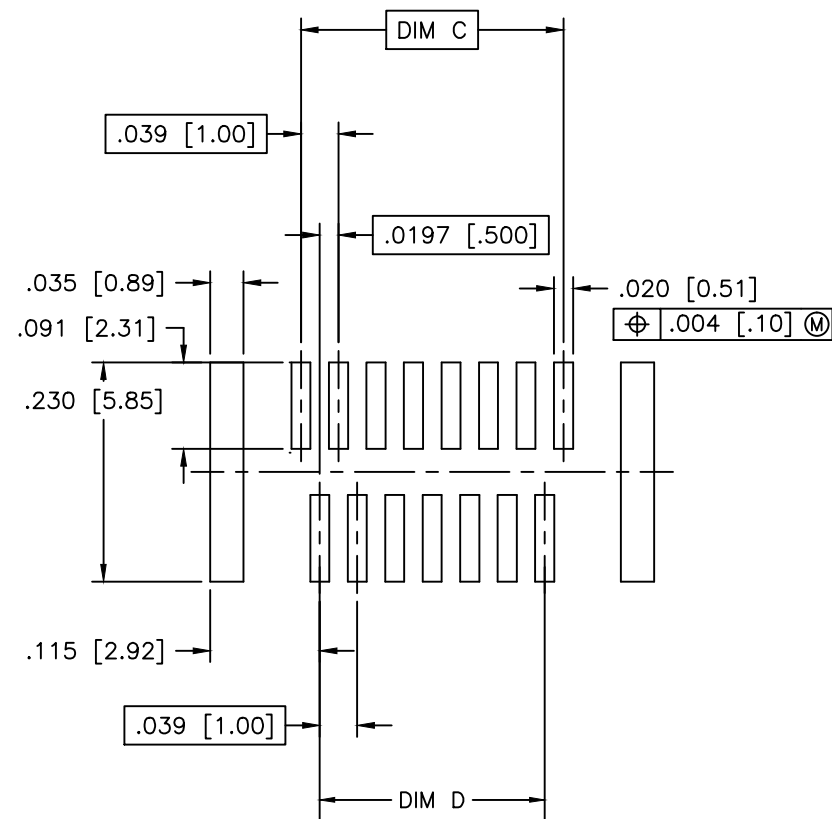


mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection INCH/MM	product family CONAN®
ltr	ecn no	dr	date	tolerances unless otherwise specified		scale 5:1	title CONAN® CONNECTOR ASSEMBLY
AJ				angles	linear		
					.XX±.01/.XX±0.3		
					.XXX±.005/.XXX±0.13		
					.XXX±.0020/.XXX±0.051		
				dr	Eric Huang	11/10/15	dwg no 91900
				enr	Eric Huang	11/10/15	
				chr	-	-	type Product Customer Drawing
				appd	Tim Yao	11/10/15	
sheet index	revision sheet						



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PRODUCT NUMBER
SEE TABLERECOMMENDED
PAD LAYOUTRECOMMENDED
STENCIL LAYOUT
FOR HEADER

mat'l. code				surface ISO 1302 ☒	tolerance ISO 406 ISO 1101	projection 	product family CONAN [®]			
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM scale 5:1	title CONAN [®] CONNECTOR ASSEMBLY			
AJ				angles	linear					
				0°±2'						
		dr	Eric Huang	11/10/15			dwg no		sheet 5 of 7 size	
		enr	Eric Huang	11/10/15						
		chr	-	11/10/15			91900		A3	
		appd	TimYao	11/10/15			type		Product Customer Drawing	
sheet index	revision sheet									

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 	product family CONAN®		
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM scale 5:1 	title CONAN® CONNECTOR ASSEMBLY		
AJ				angles	linear				
				0°±2°					
				dr	Eric Huang	11/10/15			
				enrg	Eric Huang	11/10/15	dwg no		sheet 6 of 7
				chr	-	-	91900		A3
				appd	Tim Yao	11/10/15	type		Product Customer Drawing
sheet index	revision sheet								



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PRODUCT NUMBER
SEE TABLE

CONAN® ASSEMBLY PART NUMBER

919 T C - W X Y ZZ LF

LEAD FREE OPTION
SEE NOTE 12

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 +.010 -.008 [+.25] [-.20]
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 		product family CONAN®									
ltr	ecn no		dr	date		tolerances unless otherwise specified						title							
AJ						angles		linear		X0.01/X0.3 X0.005/X0.013 X0.002/X0.005		INCH/MM		CONAN® CONNECTOR ASSEMBLY					
						0°±2'						scale 5:1							
						dr		Eric Huang		11/10/15				dwg no		sheet 7 of 7		size	
						enrg		Eric Huang		11/10/15				91900				A3	
						chr		—		—									
						appd		Tim Yao		11/10/15									
sheet index		revision sheet																	

Mouser Electronics

Authorized Distributor

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FCI / Amphenol:

[91900-21109](#) [91901-31151](#) [91901-31551](#) [91910-21351](#) [91911-31169](#) [91911-31525](#) [91910-21441LF](#) [91930-21141LF](#) [91930-21151LF](#) [91910-21415LF](#) [91911-31115LF](#) [91911-31521LF](#) [91910-21351LF](#) [91930-21169LF](#) [91931-31169LF](#) [91910-21421LF](#) [91921-31125LF](#) [91920-21121LF](#) [91931-31141LF](#) [91911-31421LF](#) [91910-21425LF](#) [91930-21115LF](#) [91931-31115LF](#) [91930-21111LF](#) [91930-21109LF](#) [91921-31141LF](#) [91910-21541LF](#) [91910-21151LF](#) [91910-21125LF](#) [91911-31531LF](#) [91910-21551LF](#) [91910-21531LF](#) [91910-21521LF](#) [91910-21525LF](#) [91910-21115LF](#) [91910-21111LF](#) [91911-31441LF](#) [91910-21109LF](#) [91901-31141LF](#) [91900-21221LF](#) [91931-31115](#) [91931-31141](#) [91931-31169](#) [91931-31121](#) [91910-21441](#) [91930-21141](#) [91930-21109](#) [91930-21121](#) [91910-21531](#) [91910-21551](#) [91930-21115](#) [91910-21369](#) [91910-21131LF](#) [91910-21369LF](#) [91921-31121LF](#) [91930-31169LF](#) [91931-32131LF](#) [91911-32569LF](#) [91910-21511LF](#) [91910-21515LF](#) [91920-21131LF](#) [91921-31131LF](#) [91910-21411LF](#) [91930-21131LF](#) [91921-31115LF](#) [91910-21431LF](#) [91931-31131LF](#) [91931-31121LF](#) [91930-21125LF](#) [91910-21225LF](#) [91921-31169LF](#) [91910-21409LF](#) [91920-21169LF](#) [91930-21121LF](#) [91910-21141LF](#) [91901-31125LF](#) [91901-31541LF](#) [91910-21509LF](#) [91901-31121](#) [91901-31311](#) [91911-21241](#) [91911-31111](#) [91911-31221](#) [91911-31311](#) [91911-31515](#) [91920-21151](#) [91920-31121](#) [91931-32111](#) [91900-21211LF](#) [91900-21215LF](#) [91900-21225LF](#) [91900-21231LF](#) [91900-21269LF](#) [91900-21309LF](#) [91900-21311LF](#) [91900-21315LF](#) [91900-21325LF](#) [91900-21341LF](#) [91900-21351LF](#) [91900-21369LF](#)