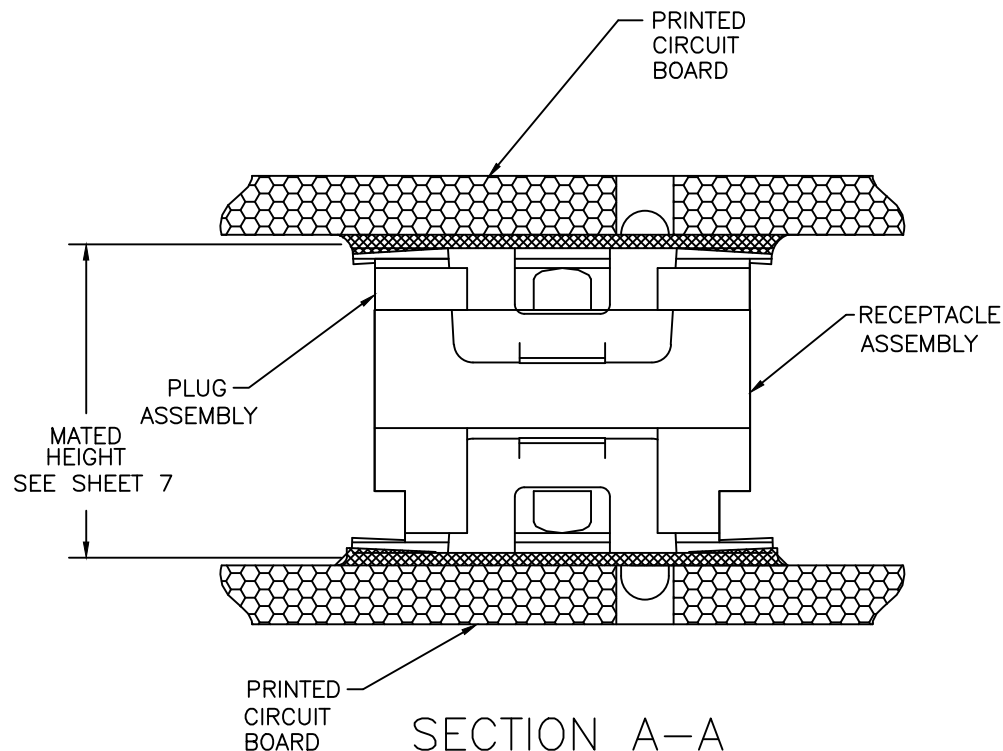
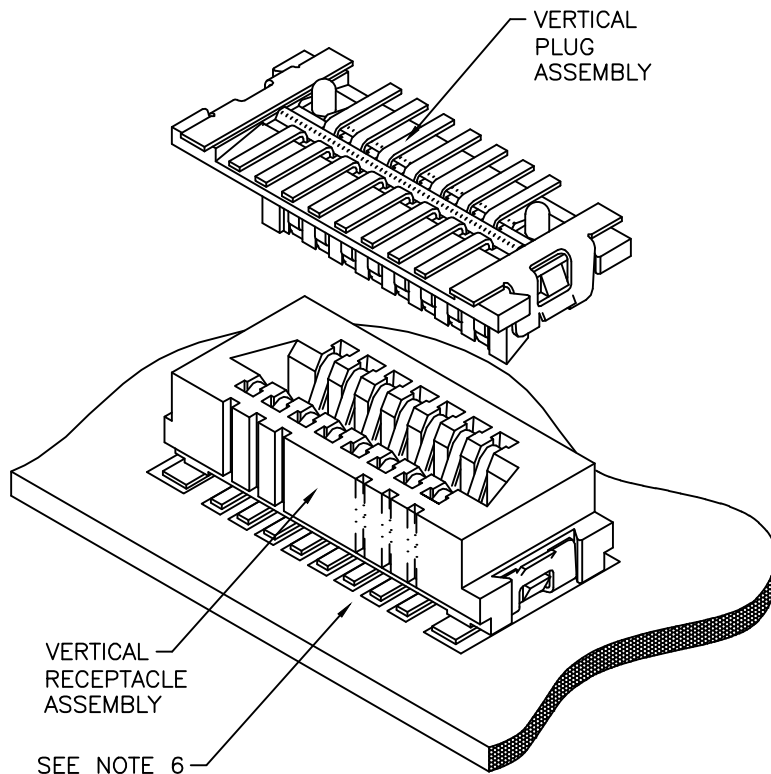


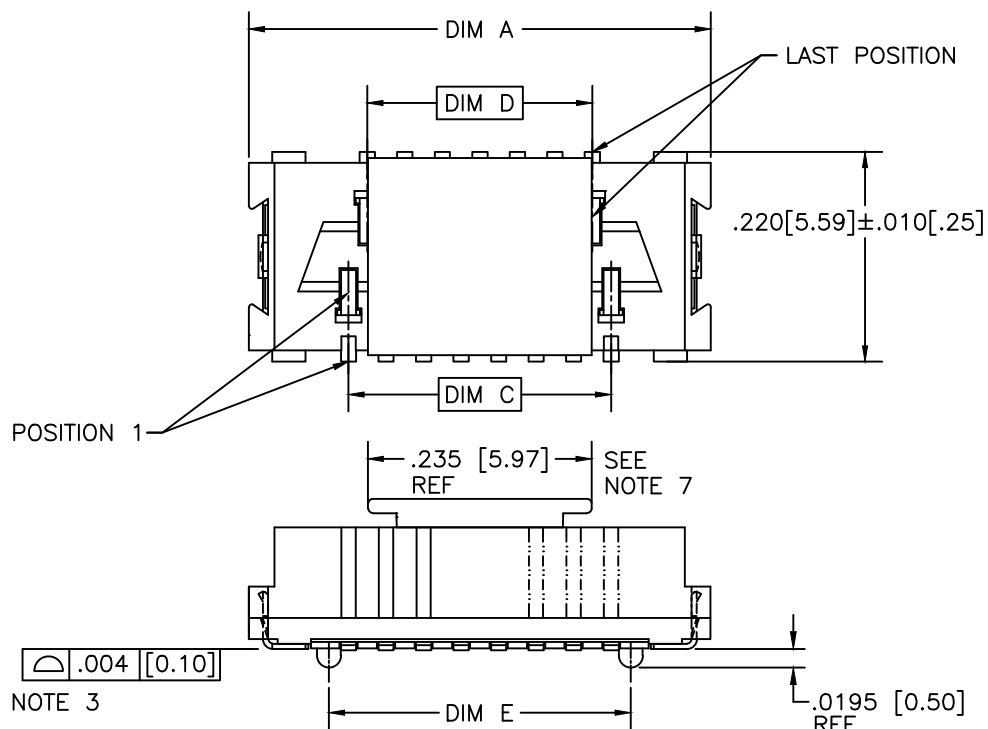
PRODUCT NUMBER
SEE TABLE



SECTION A-A
ROTATED 90°
N.T.S.

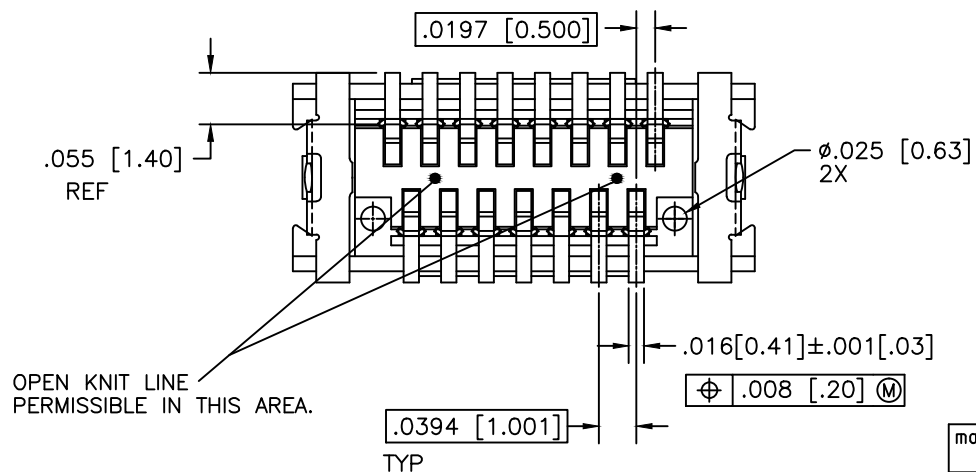
mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family CONAN®			
ltr	ecn no	dr	date	tolerances unless otherwise specified			title			
A	N11-0214	J.Z	2011-07-20	angles	linear	INCH/MM	CONAN® CONNECTOR ASSEMBLY			
B	ELX-N-05460	J.Z	2011-08-23							
C	ELX-N-14210	GM	2013-03-07	0°±2°		scale 5:1	dwg no			
-	-	-	-	dr	J.ZHOU	2011-07-20	sheet 1 of 7			
-	-	-	-	enr	J.ZHOU	2011-07-20	10118744			
-	-	-	-	chr	J.ZHOU	2011-07-20	A3			
-	-	-	-	appd	R.BIAN	2011-07-20				
sheet	revision	C	C	C	C	C	C	C	C	C
index	sheet	1	2	3	4	5	6	7		

PRODUCT NUMBER
SEE TABLE

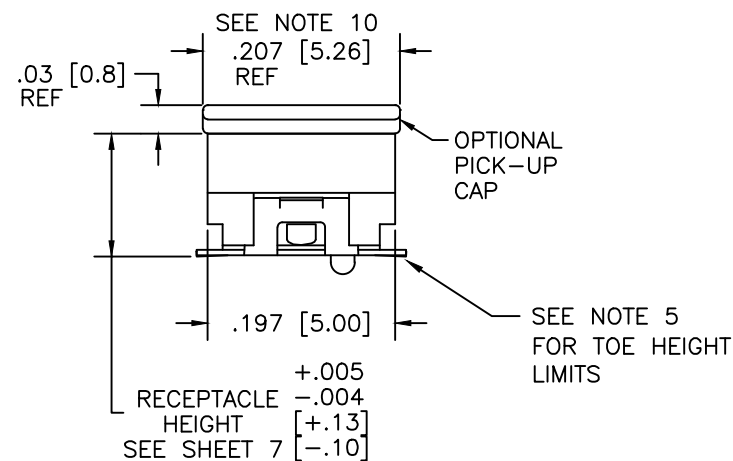


SEE NOTE 3

.004 [0.10]

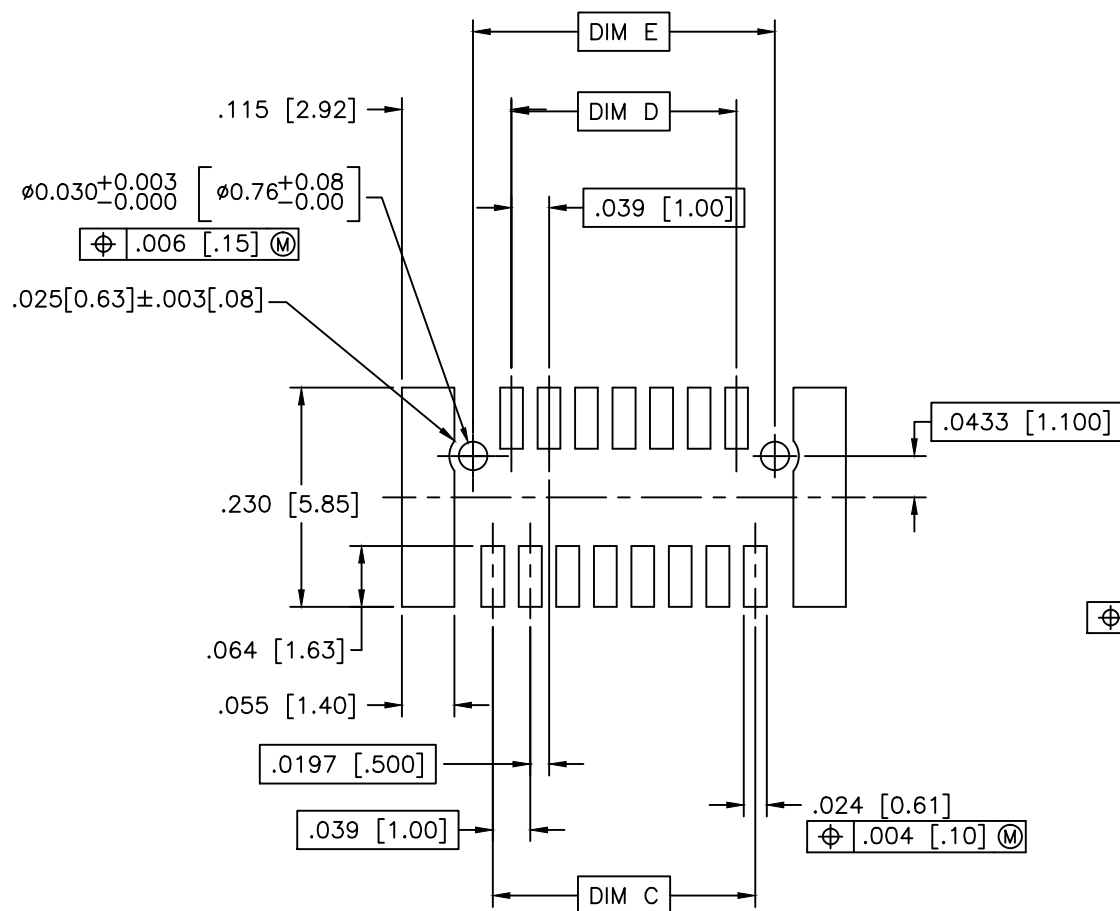


RECEPTACLE

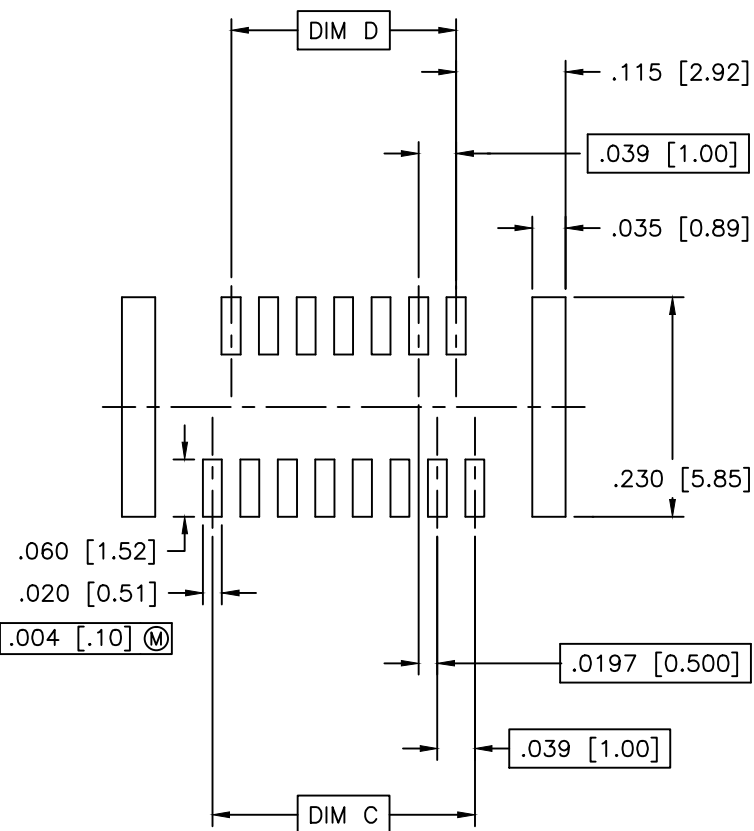


mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection INCH/MM	product family CONAN®
ltr	ecn no	dr	date	tolerances unless otherwise specified		scale 5:1	title CONAN® CONNECTOR ASSEMBLY
c				angles	linear		
				0°±2'			
		dr	J.ZHOU	2011-07-20			dwg no
		enr	J.ZHOU	2011-07-20			sheet 2 of 7
		chr	J.ZHOU	2011-07-20			size
		appd	R.BIAN	2011-07-20			10118744
sheet index	revision sheet						type Product Customer Drawing

PRODUCT NUMBER
SEE TABLE



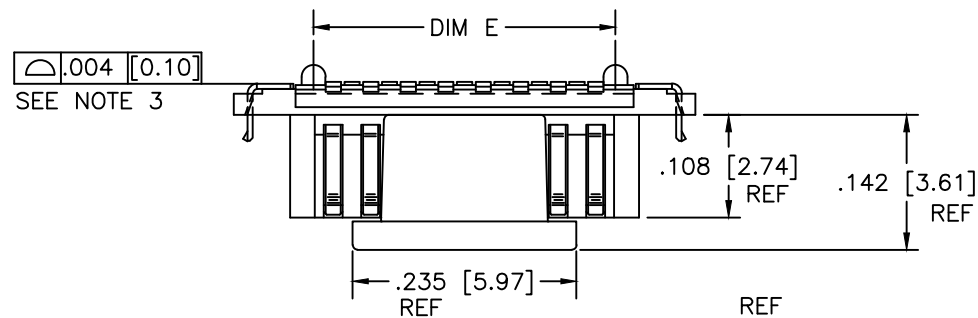
RECOMMENDED
PAD LAYOUT
FOR RECEPTACLE



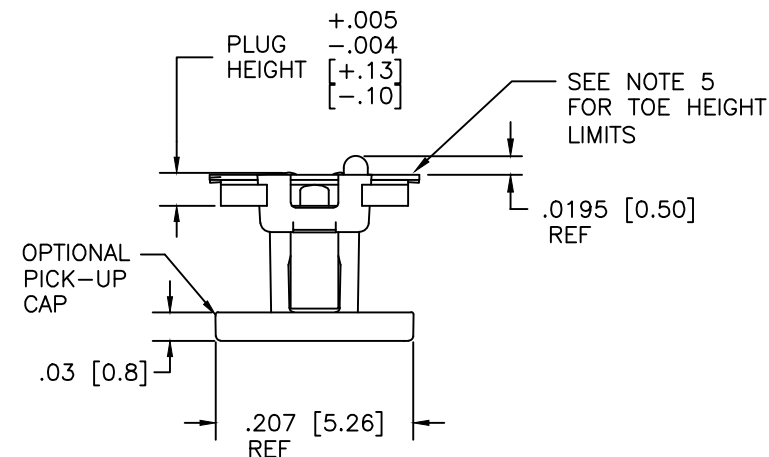
RECOMMENDED
STENCIL LAYOUT
FOR RECEPTACLE

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			
c				angles	linear					
				0° $\pm$ 2°		scale 5:1	dwg no 10118744			
				dr	J.ZHOU	2011-07-20				
				enr	J.ZHOU	2011-07-20	sheet 3 of 7 size A3			
				chr	J.ZHOU	2011-07-20				
				appd	R.BIAN	2011-07-20	type Product Customer Drawing			
sheet index	revision sheet									

PRODUCT NUMBER
SEE TABLE



PLUG

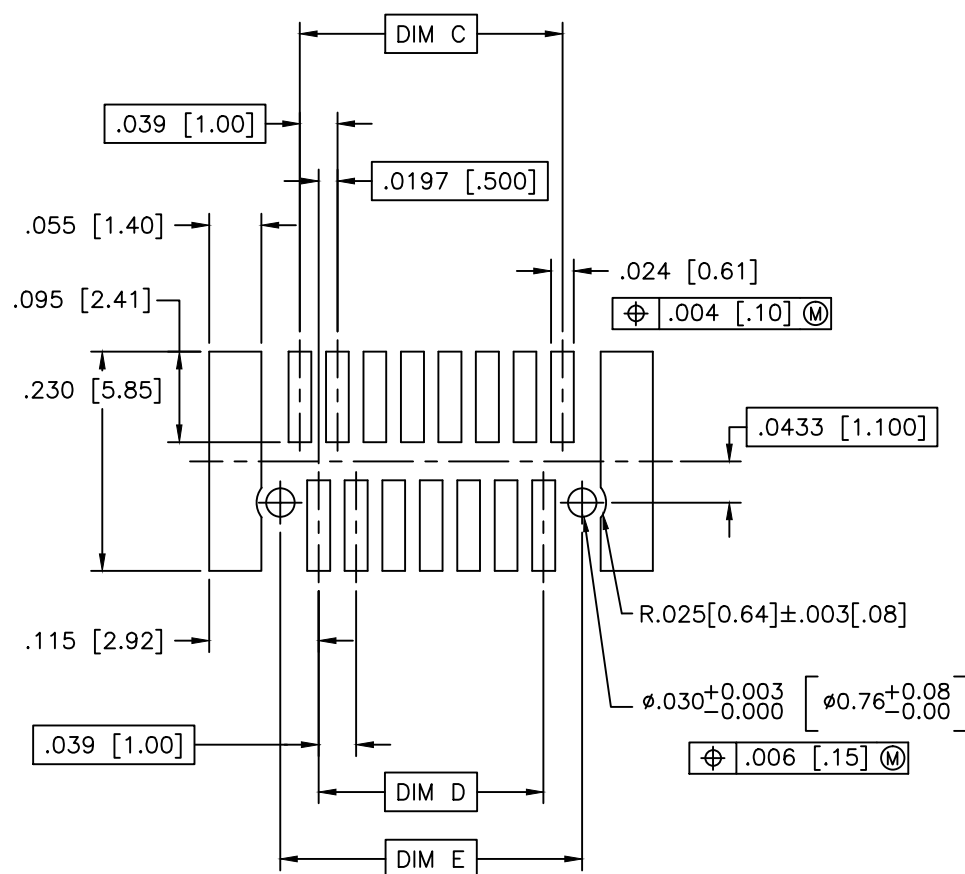
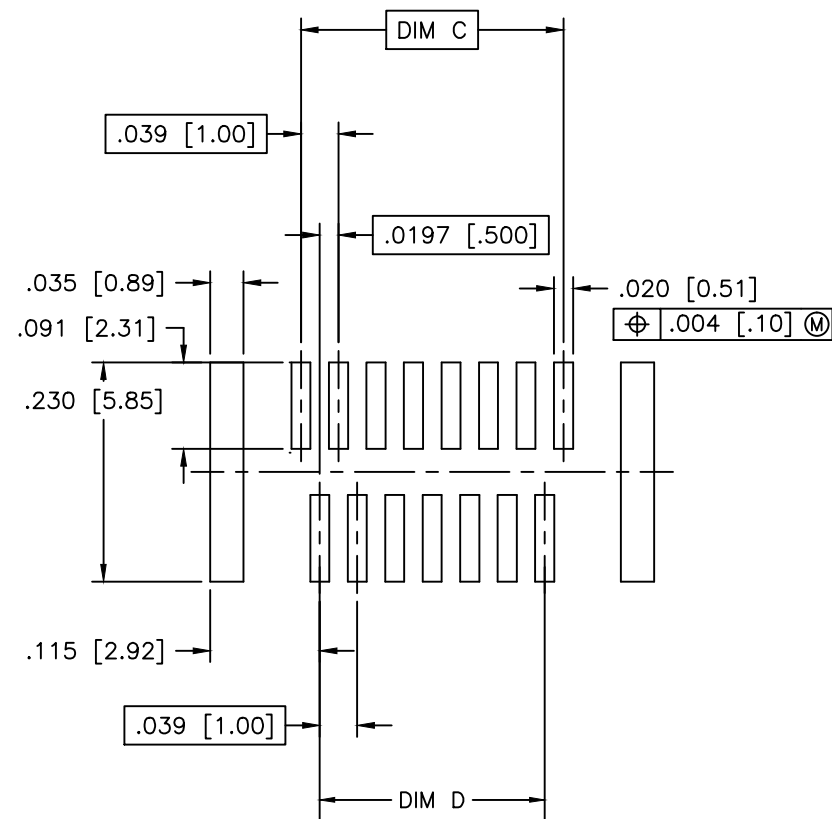


mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection 	product family CONAN®	
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM	title CONAN® CONNECTOR ASSEMBLY	
c				angles	linear			
				0° ± 2°		scale 5:1	dwg no	sheet 4 of 7 size
				dr	J.ZHOU	2011-07-20	10118744	A3
				enr	J.ZHOU	2011-07-20	type Product Customer Drawing	
				chr	J.ZHOU	2011-07-20		
				appd	R.BIAN	2011-07-20		
sheet index	revision sheet							



FCIconnect.com

Copyright FCI

PRODUCT NUMBER
SEE TABLERECOMMENDED
PAD LAYOUT
FOR PLUGRECOMMENDED
STENCIL LAYOUT
FOR PLUG

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			
c				angles		.XX±.01/.XX±.03		linear						
						.XXX±.005/.XXX±.013								
				0°±2'		.XXX±.0020/.XXX±.0051		scale 5:1	dwg no 10118744					
		dr	J.ZHOU	2011-07-20										
		enr	J.ZHOU	2011-07-20										
		chr	J.ZHOU	2011-07-20										
		appd	R.BIAN	2011-07-20										
sheet index		revision sheet								type		Product Customer Drawing		

PRODUCT NUMBER	POS	DIM "A"	DIM "C"	DIM "D"	DIM "E"
10118744-TCWXY09LF	9	.366 [9.30]	.157 [4.00]	.118 [3.00]	.1990 [5.055]
-TCWXY11LF	11	.406 [10.30]	.197 [5.00]	.157 [4.00]	.2380 [6.045]
-TCWXY15LF	15	.484 [12.30]	.276 [7.00]	.236 [6.00]	.3170 [8.052]
-TCWXY21LF	21	.602 [15.30]	.394 [10.00]	.354 [9.00]	.4350 [11.049]
-TCWXY25LF	25	.681 [17.30]	.472 [12.00]	.433 [11.00]	.5140 [13.056]
-TCWXY31LF	31	.800 [20.30]	.591 [15.00]	.551 [14.00]	.6320 [16.053]
-TCWXY41LF	41	.996 [25.30]	.787 [20.00]	.748 [19.00]	.8290 [21.057]
-TCWXY51LF	51	1.193 [30.30]	.984 [25.00]	.945 [24.00]	1.0260 [26.060]
-TCWXY69LF	69	1.547 [39.30]	1.339 [34.00]	1.299 [33.00]	1.3800 [35.052]

NOTES:

1. MATERIALS:

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

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

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

PLUG TERMINALS - COPPER ALLOY,
PLATED WITH GOLD OR 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-12-0977 FOR PRODUCT PERFORMANCE AND ENVIRONMENTAL RESISTANCE DATA.

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

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

5. 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.

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

7. 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

8. 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				title				
c					angles	linear	.XX±.01/.XX±.03	INCH/MM		CONAN® CONNECTOR ASSEMBLY			
					0°±2°		.XXX±.005/.XXX±.013	scale 5:1		dwg no			
					dr	J.ZHOU	2011-07-20			sheet 6 of 7			
					enr	J.ZHOU	2011-07-20			10118744			
					chr	J.ZHOU	2011-07-20			A3			
					appd	R.BIAN	2011-07-20			type Product Customer Drawing			
sheet	revision												
index	sheet												

PRODUCT NUMBER
SEE TABLE

CONAN® ASSEMBLY PART NUMBER

10118744 - T C W 3 Y ZZ LF

LEAD FREE
SEE NOTE 8

TYPE	T
PLUG WITH PEGS	1
RECEPTACLE WITH PEGS	3

Y	PLUG HEIGHT	RECEPTACLE HEIGHT	MATED HEIGHT
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]

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

PICK AND PLACE CAP OR TAPE	C
WITH CAP	1

PACKAGING	W
PRESSURE SEALED TAPE & REEL	3

EXAMPLE: 10118744-3131125LF
IS A CONAN® RECEPTACLE ASSEMBLY,
HAVING PEGS AND WITH A PICK AND PLACE CAP.
IT 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		INCH/MM scale 5:1	title CONAN® CONNECTOR ASSEMBLY			
C				angles	linear					
				0°±2°						
				dr	J.ZHOU	2011-07-20	dwg no 10118744			
				enr	J.ZHOU	2011-07-20				
				chr	J.ZHOU	2011-07-20	sheet 7 of 7 size A3			
				appd	R.BIAN	2011-07-20				
sheet index	revision sheet						type Product Customer Drawing			

Mouser Electronics

Authorized Distributor

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

[FCI / Amphenol:](#)

<u>10118744-1133109LF</u>	<u>10118744-1133115LF</u>	<u>10118744-1133125LF</u>	<u>10118744-1133141LF</u>	<u>10118744-1133151LF</u>
<u>10118744-1133209LF</u>	<u>10118744-1133211LF</u>	<u>10118744-1133221LF</u>	<u>10118744-1133225LF</u>	<u>10118744-1133231LF</u>
<u>10118744-1133269LF</u>	<u>10118744-1133311LF</u>	<u>10118744-1133331LF</u>	<u>10118744-1133351LF</u>	<u>10118744-1133369LF</u>
<u>10118744-1133411LF</u>	<u>10118744-1133415LF</u>	<u>10118744-1133421LF</u>	<u>10118744-1133425LF</u>	<u>10118744-1133431LF</u>
<u>10118744-1133441LF</u>	<u>10118744-1133451LF</u>	<u>10118744-1133509LF</u>	<u>10118744-1133515LF</u>	<u>10118744-1133531LF</u>
<u>10118744-1133541LF</u>	<u>10118744-1133551LF</u>	<u>10118744-1133569LF</u>	<u>10118744-3133109LF</u>	<u>10118744-3133111LF</u>
<u>10118744-3133121LF</u>	<u>10118744-3133125LF</u>	<u>10118744-3133141LF</u>	<u>10118744-1133241LF</u>	<u>10118744-1133409LF</u>
<u>10118744-1133521LF</u>	<u>10118744-1133121LF</u>	<u>10118744-1133169LF</u>	<u>10118744-1133321LF</u>	<u>10118744-1133525LF</u>
<u>10118744-1133315LF</u>	<u>10118744-1133131LF</u>	<u>10118744-3133115LF</u>	<u>10118744-3133151LF</u>	<u>10118744-1133215LF</u>
<u>10118744-1133251LF</u>	<u>10118744-1133325LF</u>	<u>10118744-1133341LF</u>	<u>10118744-1133309LF</u>	<u>10118744-3133131LF</u>
<u>10118744-3133169LF</u>	<u>10118744-1133111LF</u>	<u>10118744-1133469LF</u>	<u>10118744-1133511LF</u>	