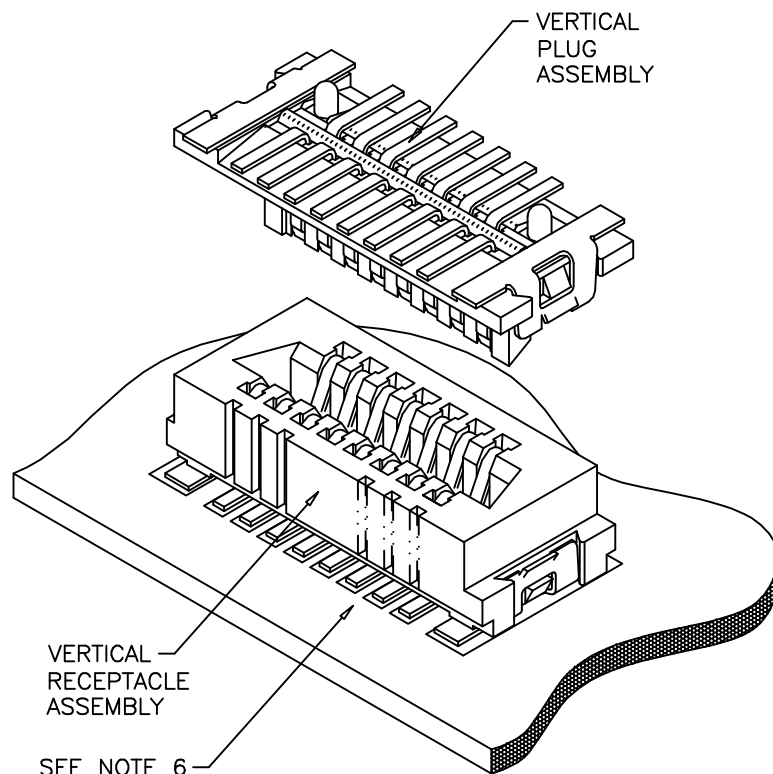


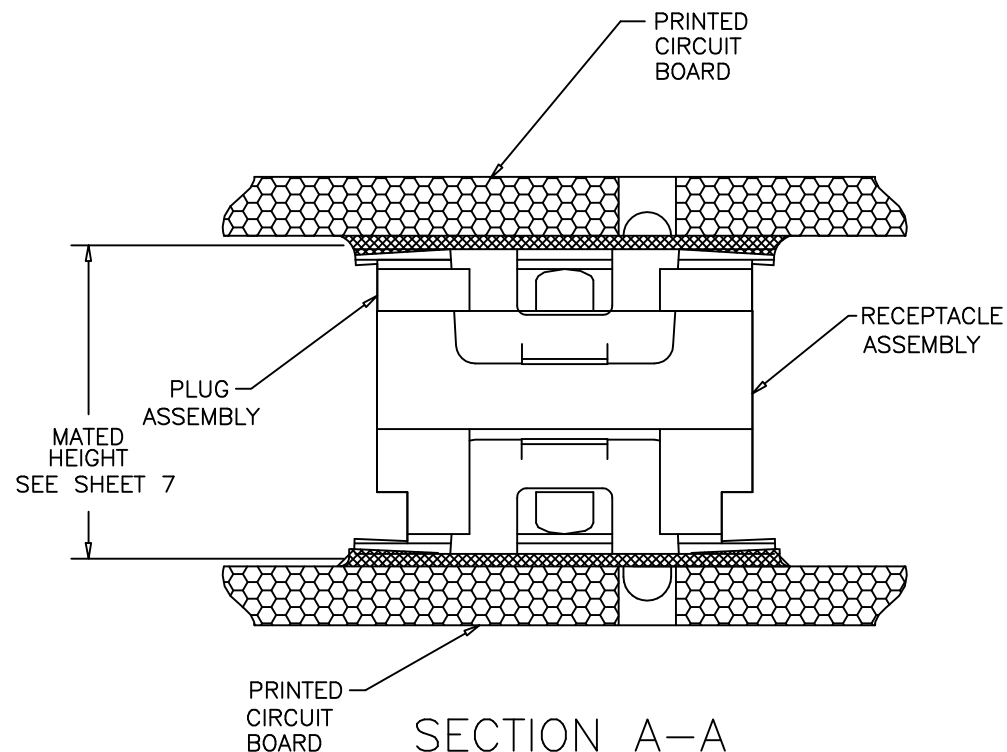
PRODUCT NUMBER
SEE TABLE



VERTICAL
RECEPTACLE
ASSEMBLY

SEE NOTE 6

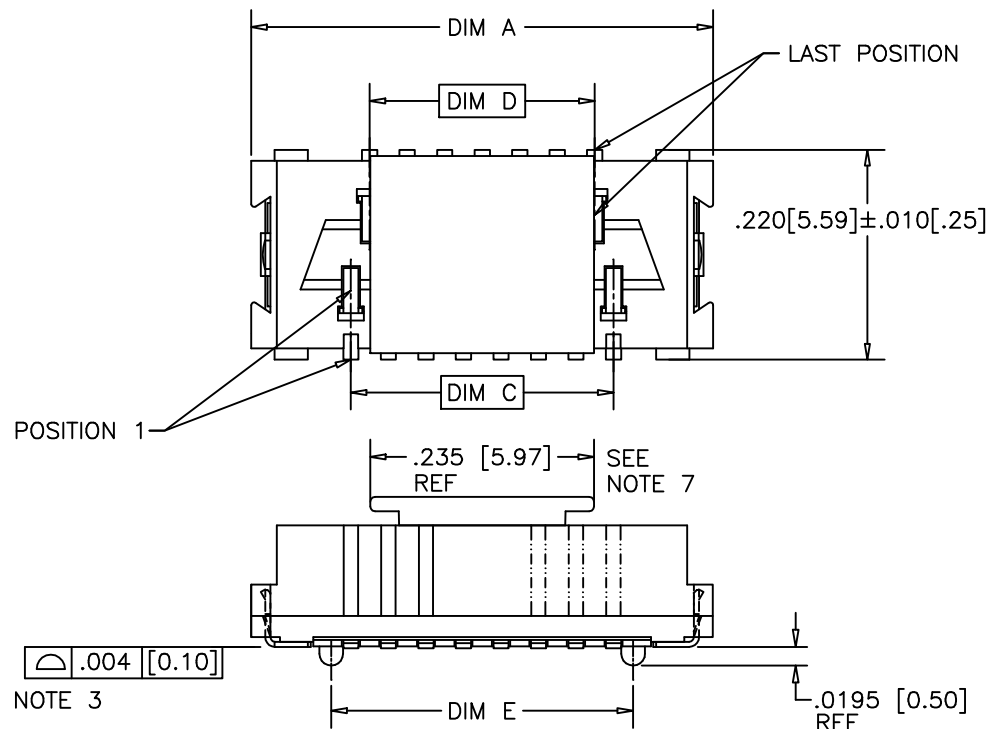
VERTICAL
PLUG
ASSEMBLY



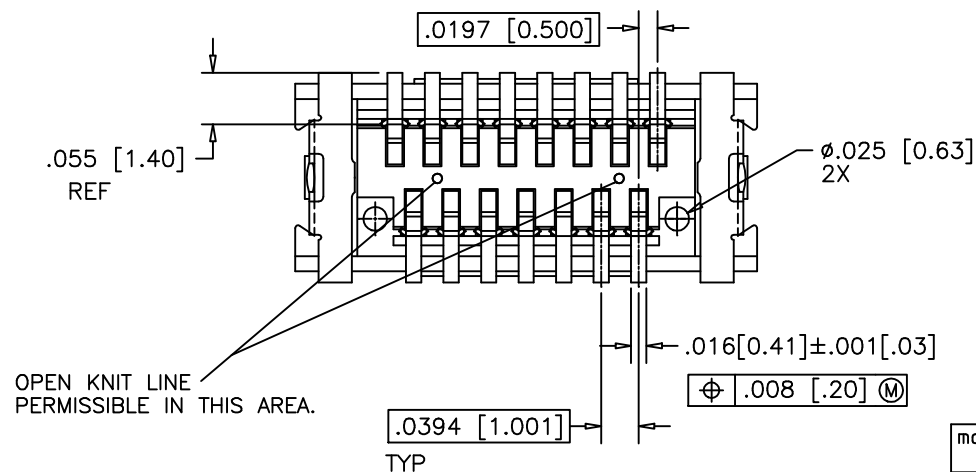
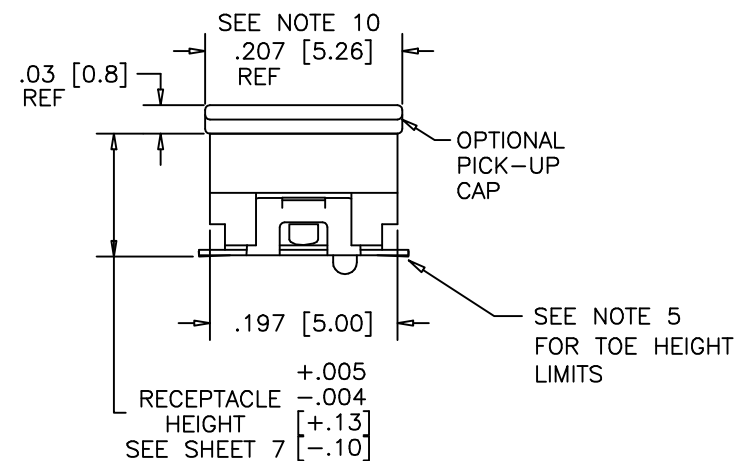
SECTION A-A
ROTATED 90°
N.T.S.

mat'l. code				surface ISO 1302 ✓				tolerance ISO 406 ISO 1101				projection 		product family CONAN®					
ltr	ecn no	dr	date	tolerances unless otherwise specified								 INCH/MM		title CONAN® CONNECTOR ASSEMBLY					
A	—	GM	2013-01-14	angles		linear		XXX±.01/XXX±0.3											
B	ELX-N-13992	GM	2013-02-05	0°±2°				XXX±.005/XXX±0.13											
C	ELX-N-14209	GM	2013-03-07					XXXX±.0020/XXX±0.05											
				—		—		dr		GM SUN		2013-01-14				dwg no		sheet 1 of 7 size	
				—		—		engr		GM SUN		2013-01-14				10124017		A3	
				—		—		chr		RICK BIAN		2013-01-14							
				—		—		appd		RICK BIAN		2013-01-14							
sheet index		revision sheet		C	C	C	C	C	C	C	C	C							
				1	2	3	4	5	6	7									

PRODUCT NUMBER
SEE TABLE

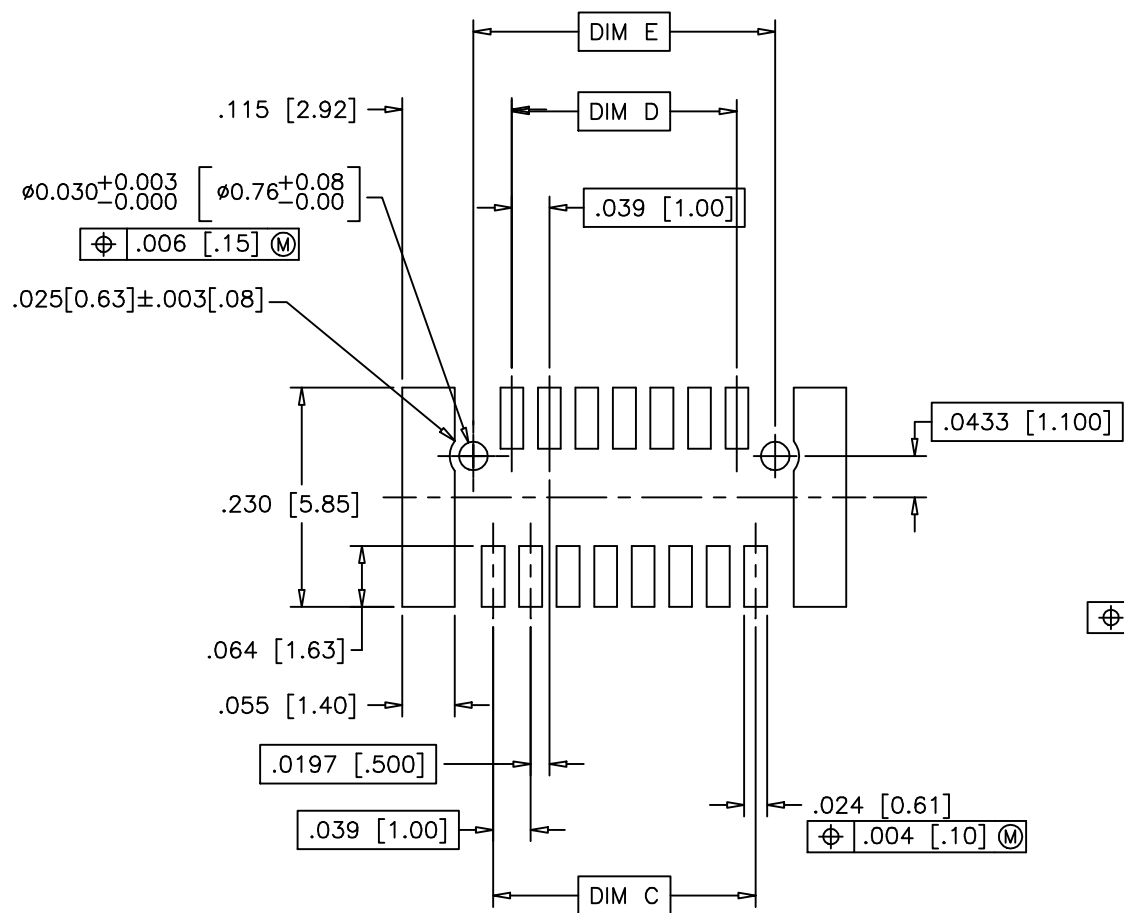


RECEPTACLE

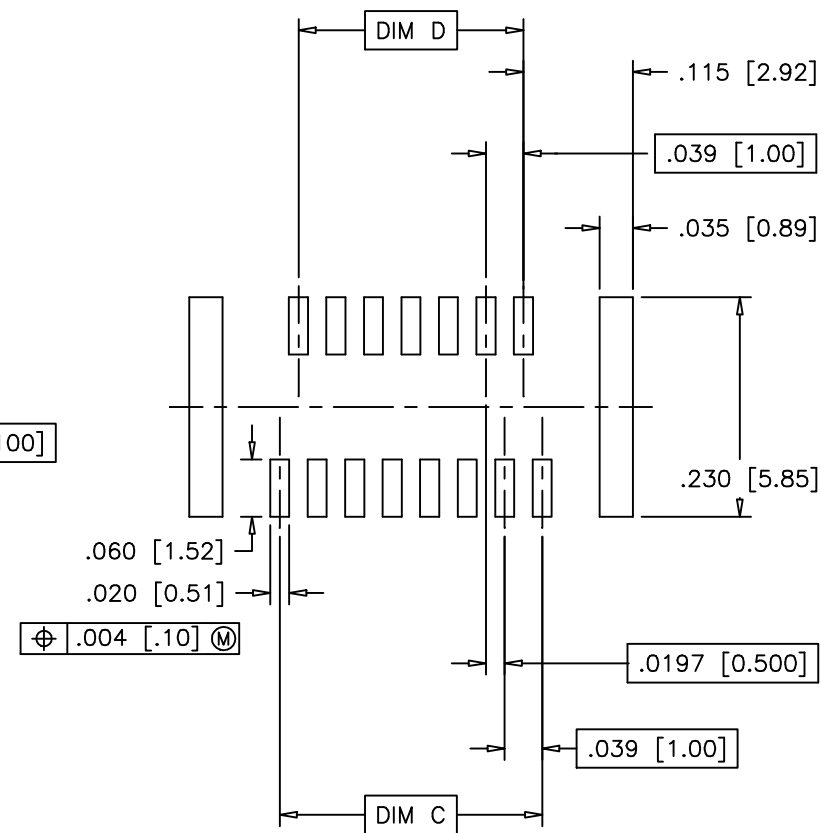


mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family CONAN®
ltr	ecn no	dr	date	tolerances unless otherwise specified		scale 5:1	title CONAN® CONNECTOR ASSEMBLY
c				angles	linear		
				0°±2°			
				dr	GM SUN	2013-01-14	dwg no 10124017
				enr	GM SUN	2013-01-14	
				chr	RICK BIAN	2013-01-14	
				appd	RICK BIAN	2013-01-14	type Product Customer Drawing
sheet index	revision sheet						

PRODUCT NUMBER
SEE TABLE



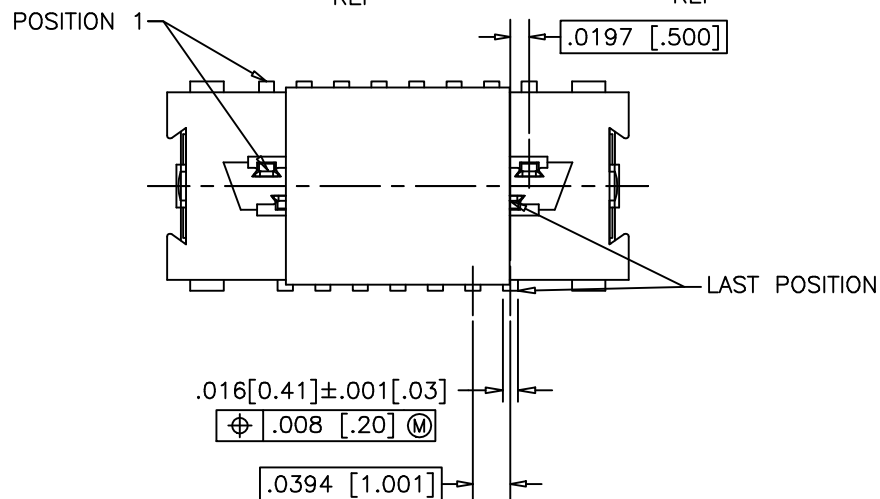
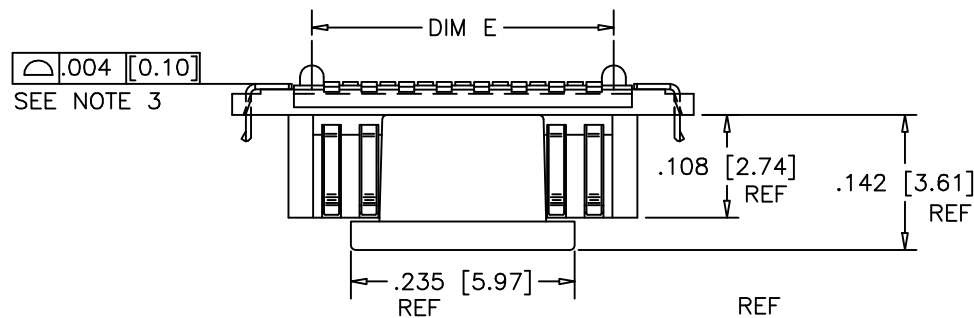
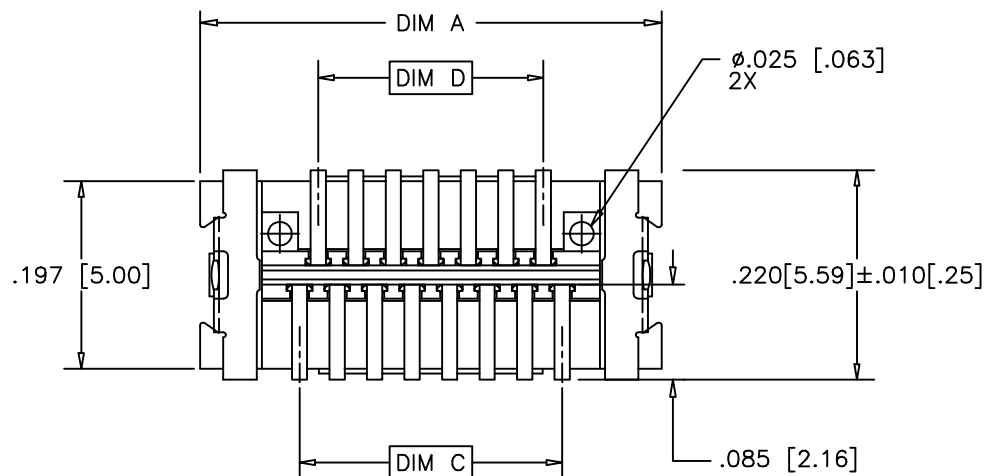
RECOMMENDED
PAD LAYOUT
FOR RECEPTACLE



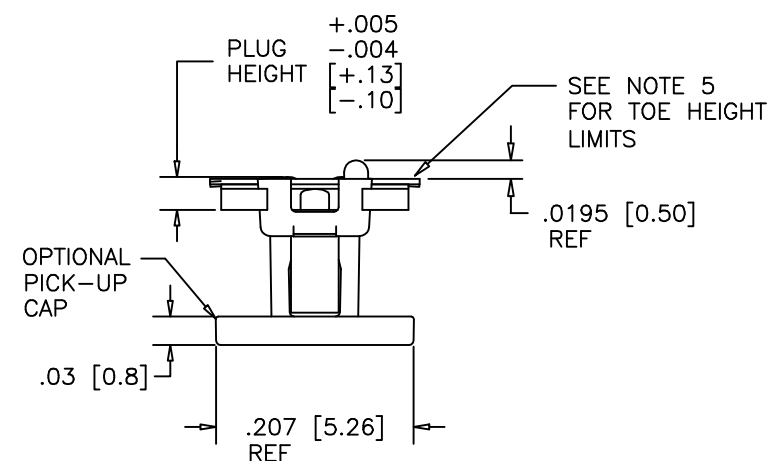
RECOMMENDED
STENCIL LAYOUT
FOR RECEPTACLE

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 scale 5:1	title CONAN [®] CONNECTOR ASSEMBLY
c				angles	linear		
				0°±2°			
				dr	GM SUN	2013-01-14	dwg no 10124017 sheet 3 of 7 size A3
				enr	GM SUN	2013-01-14	
				chr	RICK BIAN	2013-01-14	
				appd	RICK BIAN	2013-01-14	type Product Customer Drawing
sheet index	revision sheet						

PRODUCT NUMBER
SEE TABLE

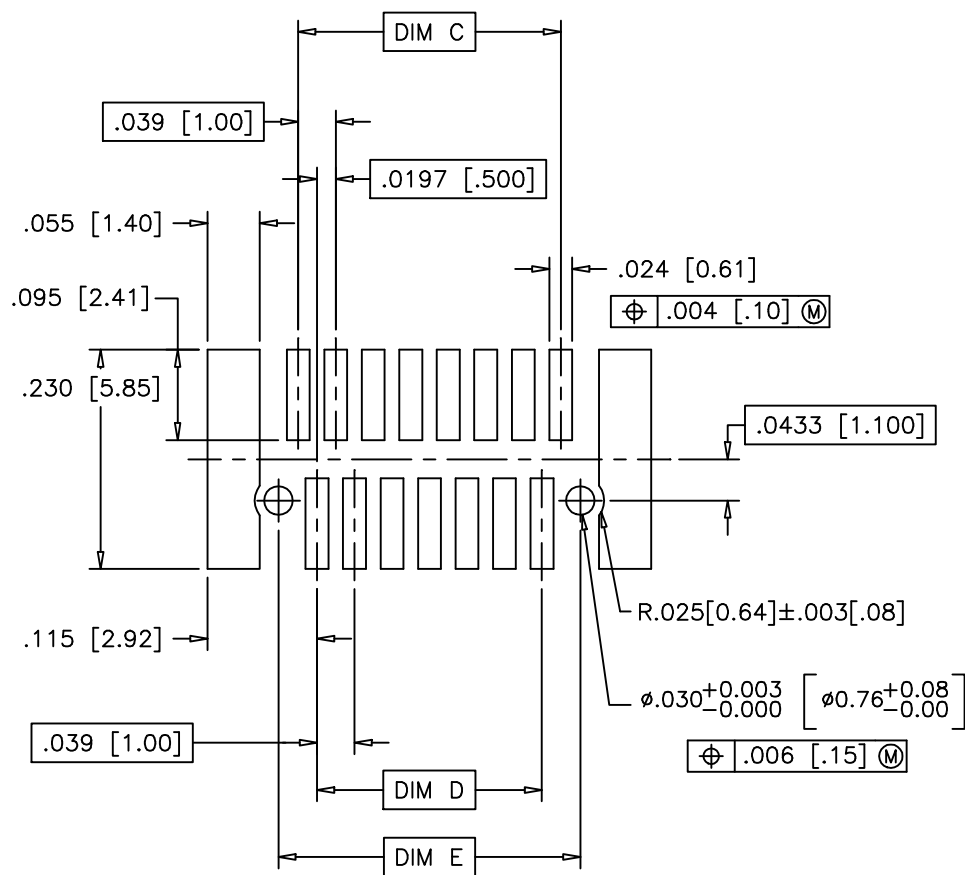


PLUG

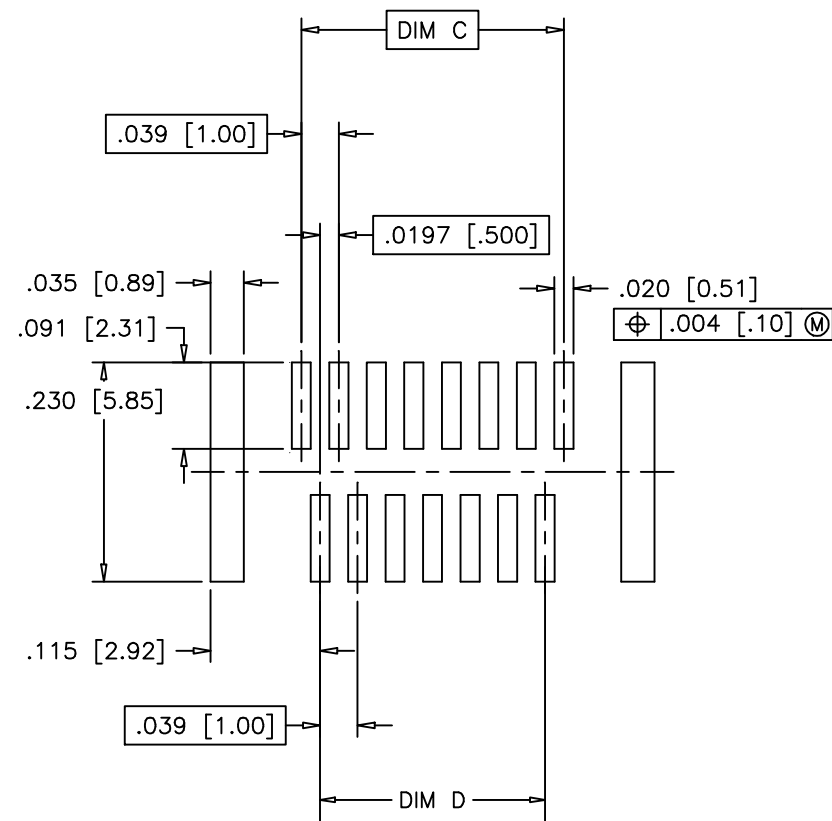


mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection 		product family CONAN®				
ltr	ecn no	dr	date	tolerances unless otherwise specified								title CONAN® CONNECTOR ASSEMBLY		
C				angles	linear	$.XX \pm .01 / .XX \pm 0.3$								
						$0^\circ \pm 2^\circ$	$.XXX \pm .005 / .XX \pm 0.13$							
							$.XXXX \pm .0020 / .XXX \pm 0.05$		scale 5:1					
				dr	GM SUN	2013-01-14				dwg no		sheet 4 of 7	size	
				enr	GM SUN	2013-01-14				10124017		A3		
				chr	RICK BIAN	2013-01-14								
				appd	RICK BIAN	2013-01-14								
sheet index		revision sheet								type		Product	Customer	Drawing

PRODUCT NUMBER
SEE TABLE



RECOMMENDED
PAD LAYOUT
FOR PLUG



RECOMMENDED
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 scale 5:1	title CONAN® CONNECTOR ASSEMBLY			
c				angles	linear					
				0°±2'						
				dr	GM SUN	2013-01-14		dwg no		sheet 5 of 7
				enr	GM SUN	2013-01-14		10124017		A3
				chr	RICK BIAN	2013-01-14				
				appd	RICK BIAN	2013-01-14		type		Product Customer Drawing
sheet index	revision sheet									

PRODUCT NUMBER	POS	DIM "A"	DIM "C"	DIM "D"	DIM "E"
10124017-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 IN CONTACT AREA
AND OTHER ALL AREA PLATING G/F WITH
AN OVERALL 50u"/1.27u Ni UNDERPLATE.

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

PLUG TERMINALS - COPPER ALLOY,
PLATED WITH GOLD IN CONTACT AREA
AND OTHER ALL AREA PLATING G/F WITH
AN OVERALL 50u"/1.27u Ni UNDERPLATE.

HOLD DOWN - COPPER ALLOY.
PLATED WITH GOLD FLISH 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		INCH/MM 	title CONAN® CONNECTOR ASSEMBLY			
c				angles	linear					
				0°±2°						
				dr	GM SUN	2013-01-14		dwg no		sheet 6 of 7
				enr	GM SUN	2013-01-14		10124017		A3
				chr	RICK BIAN	2013-01-14		type Product Customer Drawing		
				appd	RICK BIAN	2013-01-14				
sheet index	revision									
	sheet									

PRODUCT NUMBER
SEE TABLE

CONAN[®] ASSEMBLY PART NUMBER

10124017 - T C W X Y ZZ LF

LEAD FREE
SEE NOTE 8

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

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

PACKAGING	W
TUBE	2
PRESSURE SEALED TAPE & REEL	3

Y	PLUG HEIGHT	RECEPTACLE HEIGHT	MATED HEIGHT	+0.10 -0.008 [+.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]	

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

X	PLATING
1	15u" Au ON CONTACT AREA, OTHER ALL AREA PLATING G/F.
2	30u" Au ON CONTACT AREA, OTHER ALL AREA PLATING G/F.

EXAMPLE: 10124017-3131125LF
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		title	
C								CONAN [®] CONNECTOR ASSEMBLY	
								dwg no	
								10124017	
								sheet 7 of 7 size	
								A3	
								type	
								Product Customer Drawing	
sheet index		revision sheet							