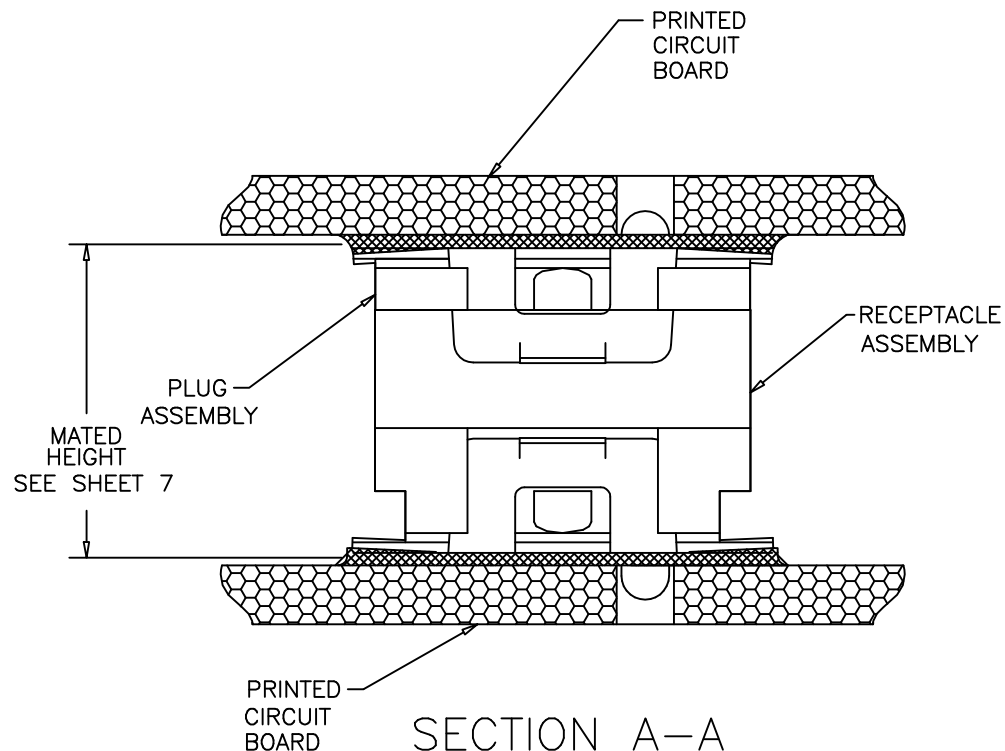
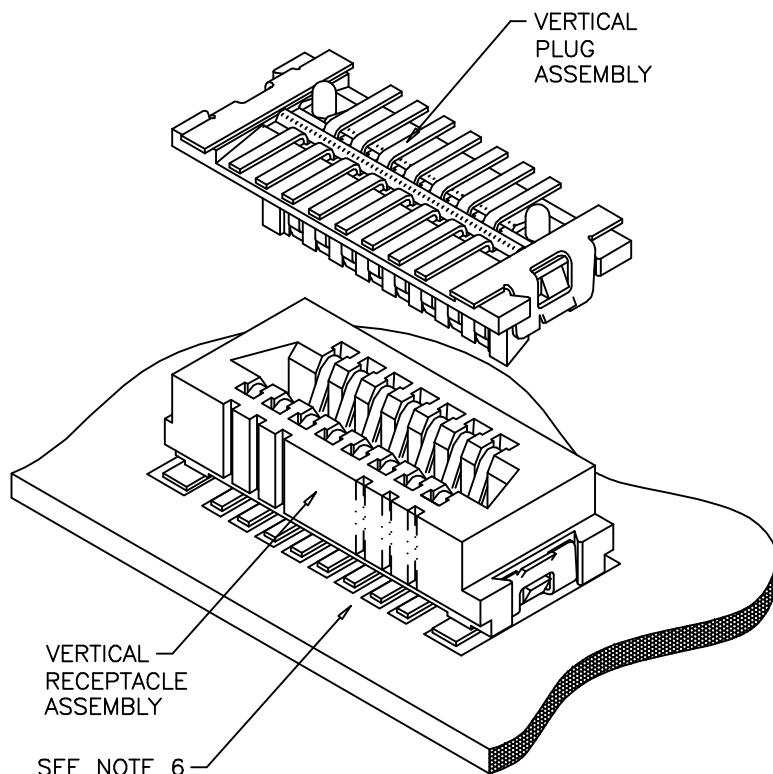


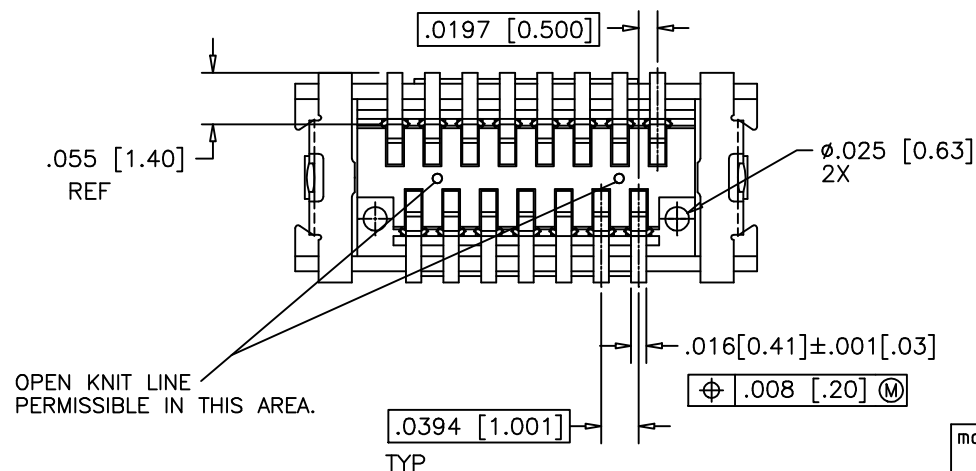
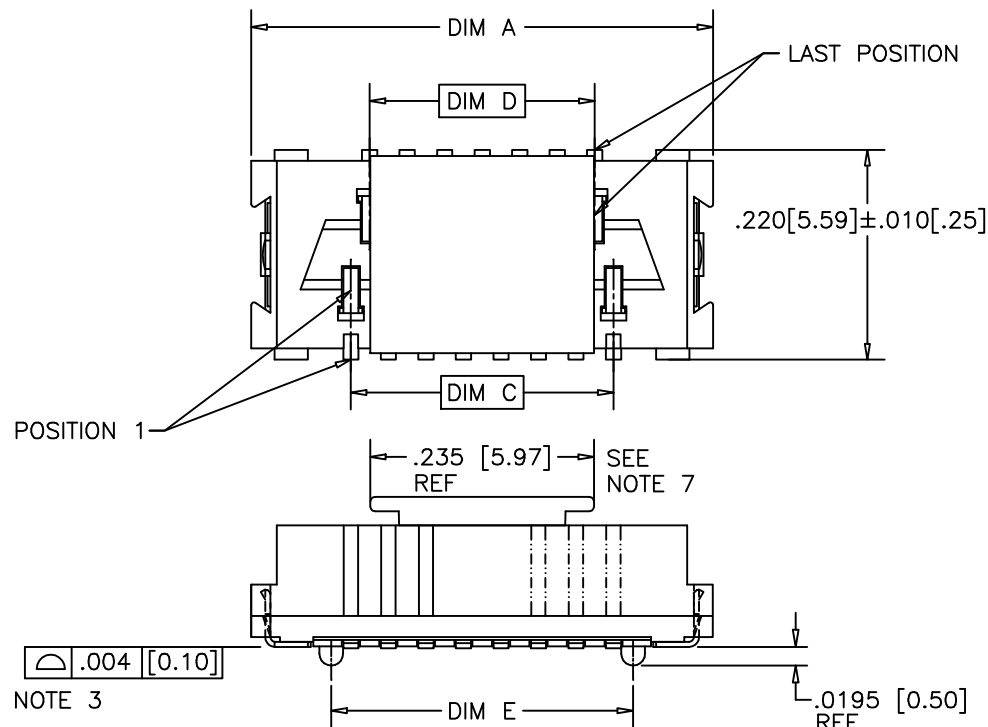
PRODUCT NUMBER
SEE TABLE



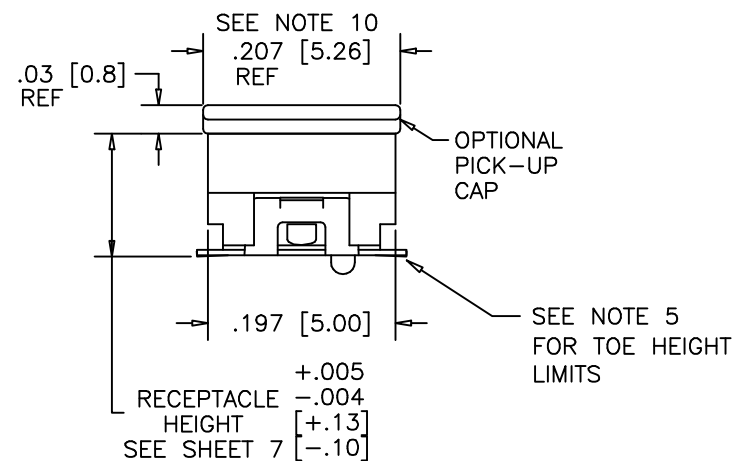
SECTION A-A
ROTATED 90°
N.T.S.

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection 	product family CONAN®
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM 	title CONAN® CONNECTOR ASSEMBLY
A	—	GM	2013-01-14	angles	linear		
B	ELX-N-13992	GM	2013-02-05				
C	ELX-N-14209	GM	2013-03-07	0°±2°		scale 5:1	
—	—	—	—	dr	GM SUN	2013-01-14	dwg no
—	—	—	—	enrg	GM SUN	2013-01-14	sheet 1 of 7
—	—	—	—	chr	RICK BIAN	2013-01-14	size
—	—	—	—	appd	RICK BIAN	2013-01-14	A3
sheet index	revision sheet	C	C	C	C	C	type
		1	2	3	4	5	Product Customer Drawing

PRODUCT NUMBER
SEE TABLE

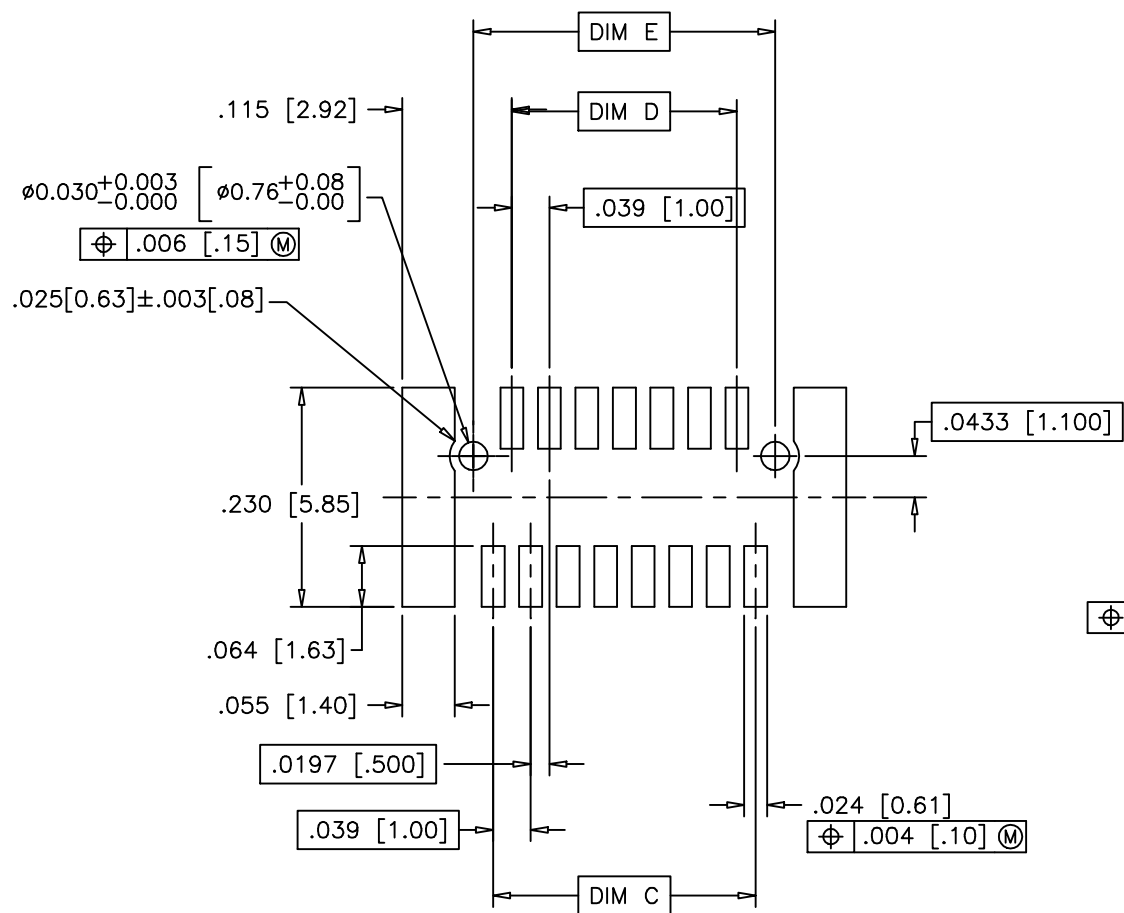


RECEPTACLE

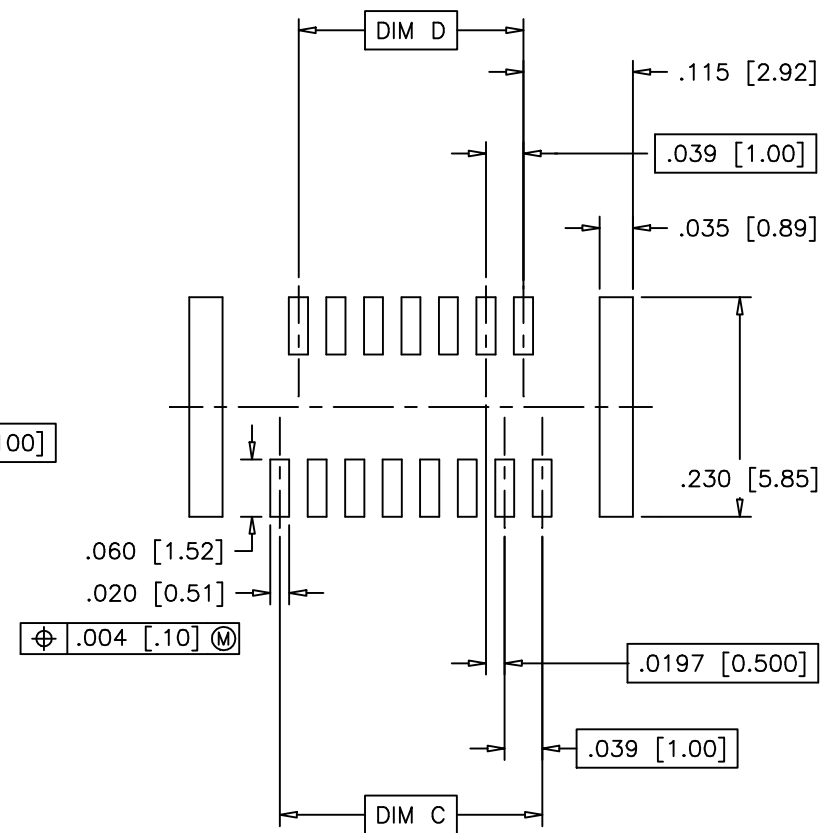


mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family CONAN®
ltr	ecn no	dr	date	tolerances unless otherwise specified		scale 5:1	title CONAN® CONNECTOR ASSEMBLY
c				angles	linear		
				0°±2°			
				dr	GM SUN	2013-01-14	dwg no 10124017
				enr	GM SUN	2013-01-14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

PRODUCT NUMBER
SEE TABLE



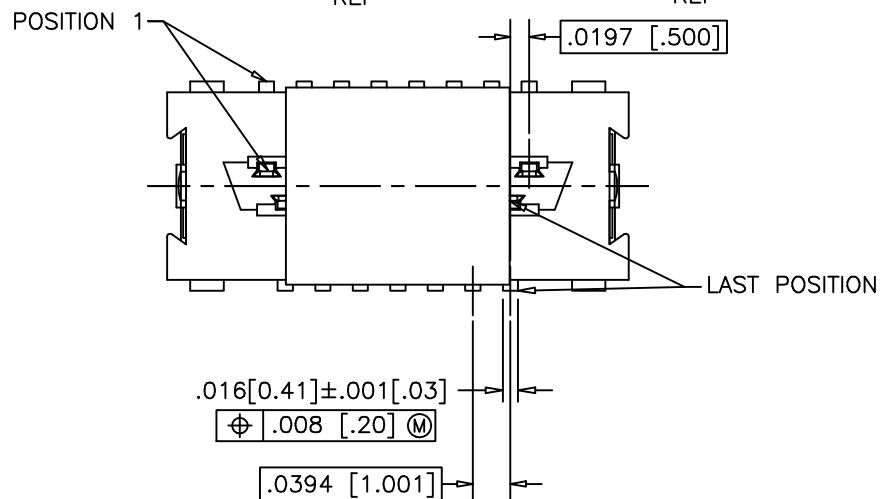
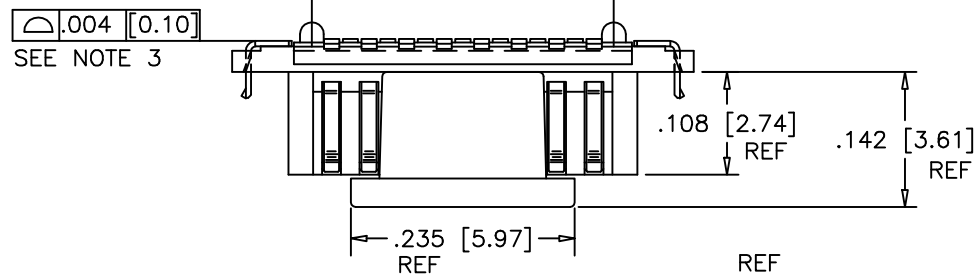
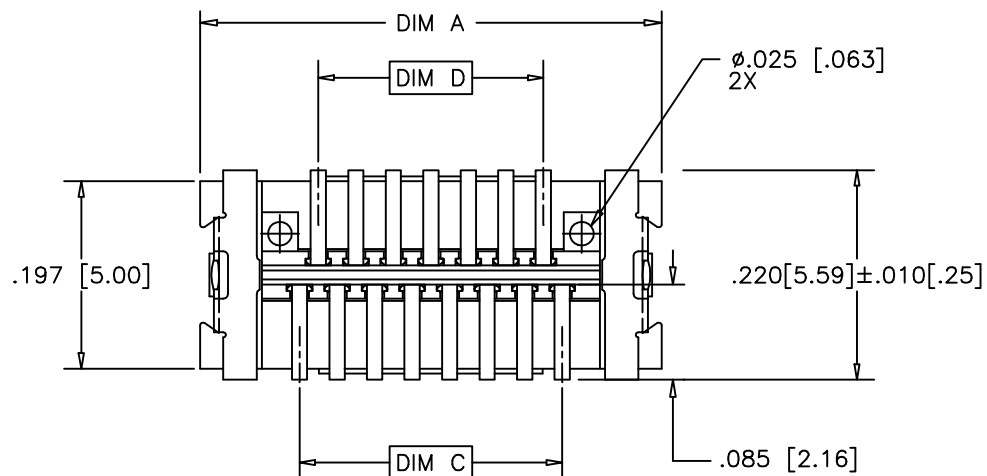
RECOMMENDED
PAD LAYOUT
FOR RECEPTACLE



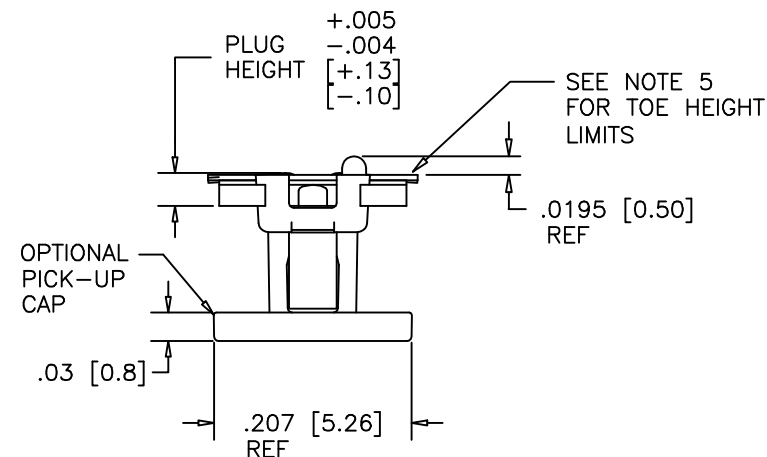
RECOMMENDED
STENCIL LAYOUT
FOR RECEPTACLE

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								
C				angles		linear	XX±.01/XX±0.3		INCH/MM ↔		CONAN® CONNECTOR ASSEMBLY							
				0°±2°			XXX±.005/XXX±0.13 XXX±.0020/XXX±0.051											
				dr		GM SUN	2013-01-14				dwg no				sheet 4 of 7		size	
				engr		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 10124017 type Product Customer Drawing			
				enr	GM SUN	2013-01-14				
				chr	RICK BIAN	2013-01-14				
				appd	RICK BIAN	2013-01-14	sheet 6 of 7 size A3			
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							

Mouser Electronics

Authorized Distributor

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

[FCI / Amphenol:](#)

10124017-1022121LF	10124017-1132111LF	10124017-1021221LF	10124017-1022569LF	10124017-1022321LF
10124017-3022125LF	10124017-2022125LF	10124017-3132111LF	10124017-1021125LF	10124017-1021225LF
10124017-1132121LF	10124017-3132169LF	10124017-1022325LF	10124017-3022121LF	10124017-1022221LF
10124017-3132121LF	10124017-1022125LF	10124017-1021121LF	10124017-1022225LF	10124017-3021121LF
10124017-3131121LF	10124017-1021321LF	10124017-1021569LF	10124017-1021325LF	10124017-3131169LF
10124017-2021125LF	10124017-1131121LF	10124017-3232121LF	10124017-3131111LF	10124017-3021125LF