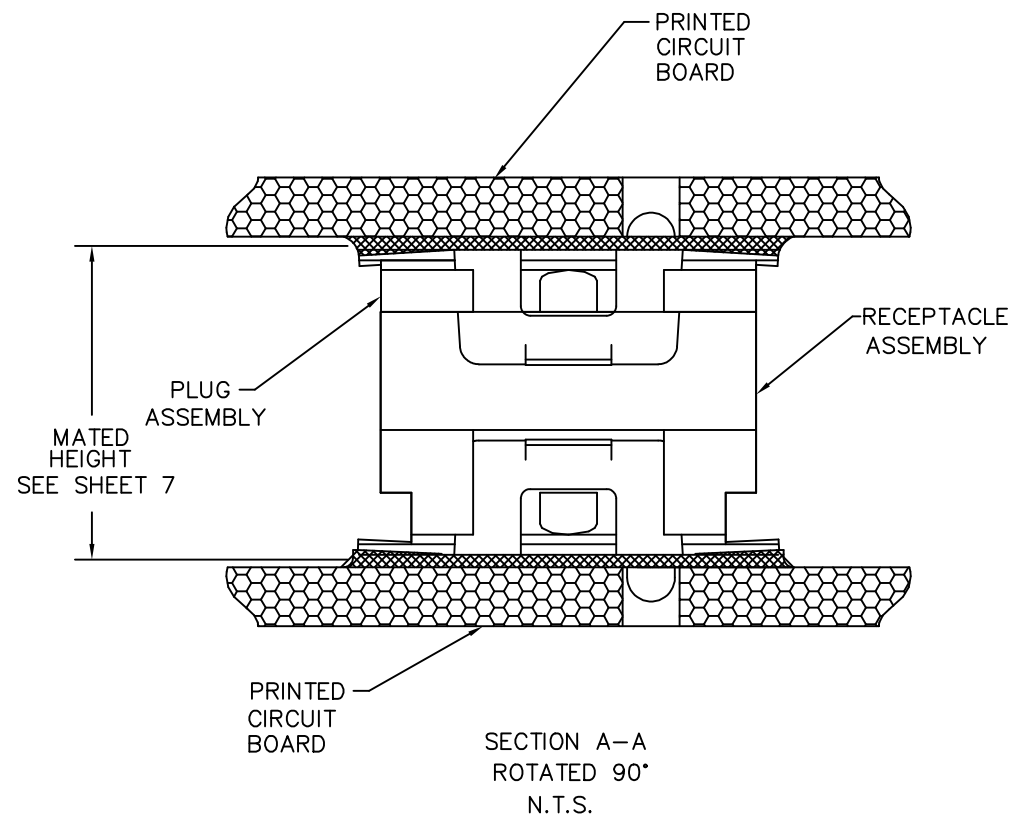
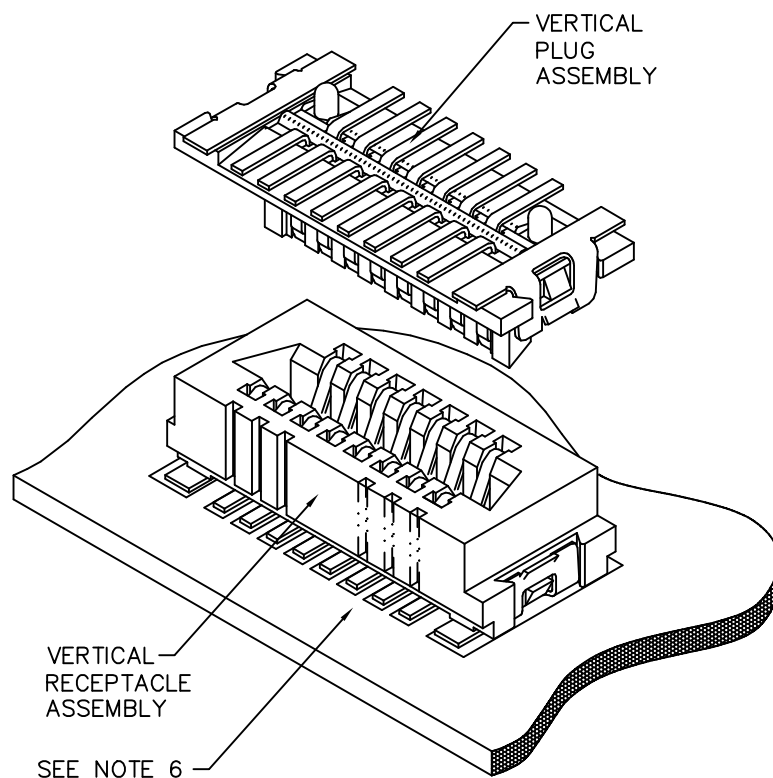


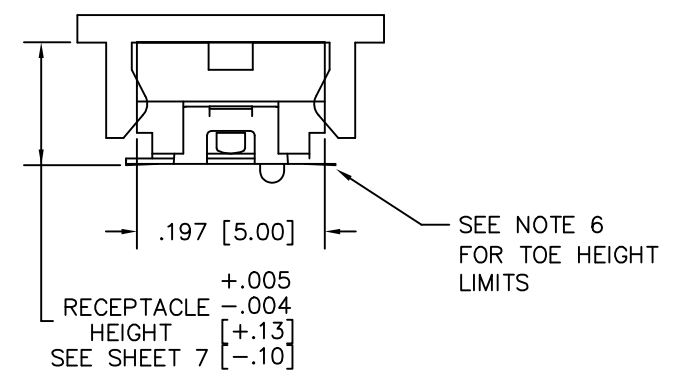
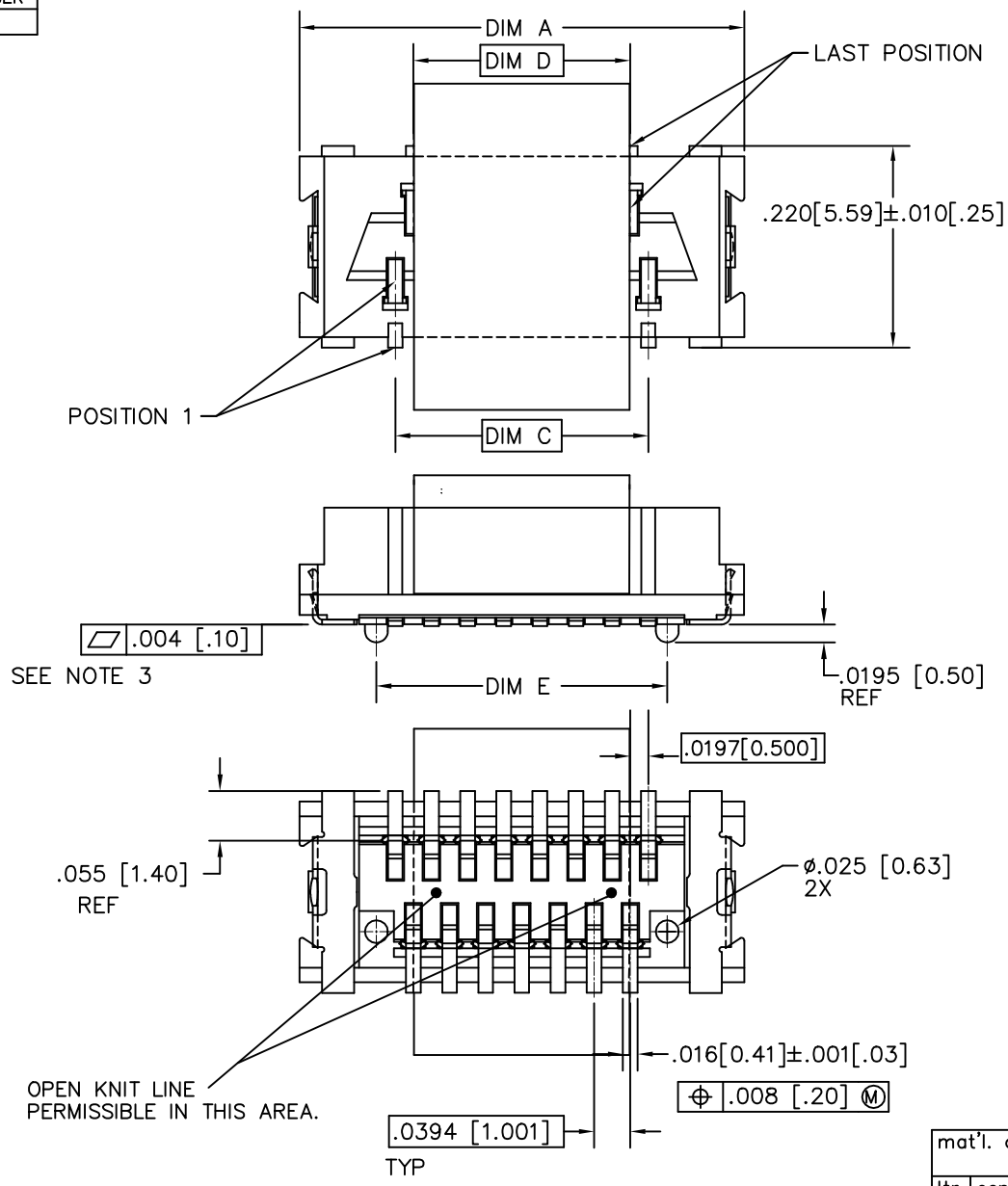
PRODUCT NUMBER
SEE TABLE



mat'l. code				surface	tolerance	projection	product family		
				ISO 1302	ISO 406	ISO 1101	CONAN HPL548		
ltr	ecp no	dr	date	tolerances unless otherwise specified		mm	title		
A	N11-0214	J.ZHOU	2011-07-20	angles	.0±.3	mm	ASSEMBLY CONAN CONNECTOR		
B	ELX-N-34967	J.ZHOU	2011-08-23	linear	.00±.13				
C	ELX-N-14210	J.ZHOU	2013-03-07	0°±2°	.000±.05				
D	ELX-N-36787	Bob	2020-04-21	dr	J.ZHOU	2011-07-20	dwg no		sheet 1 of 7
				engr	Bob Gu	2020-04-21	10118744		A3
				chr	LQ Lei	2020-04-21	type		Product Customer Drawing
				appd	Tim Yao	2020-04-21			
sheet index	revision	A	B	C	D				
	sheet	1~7	1~7	1~7	2				

Amphenol
FCI
© 2016 APCI

PRODUCT NUMBER
SEE TABLE

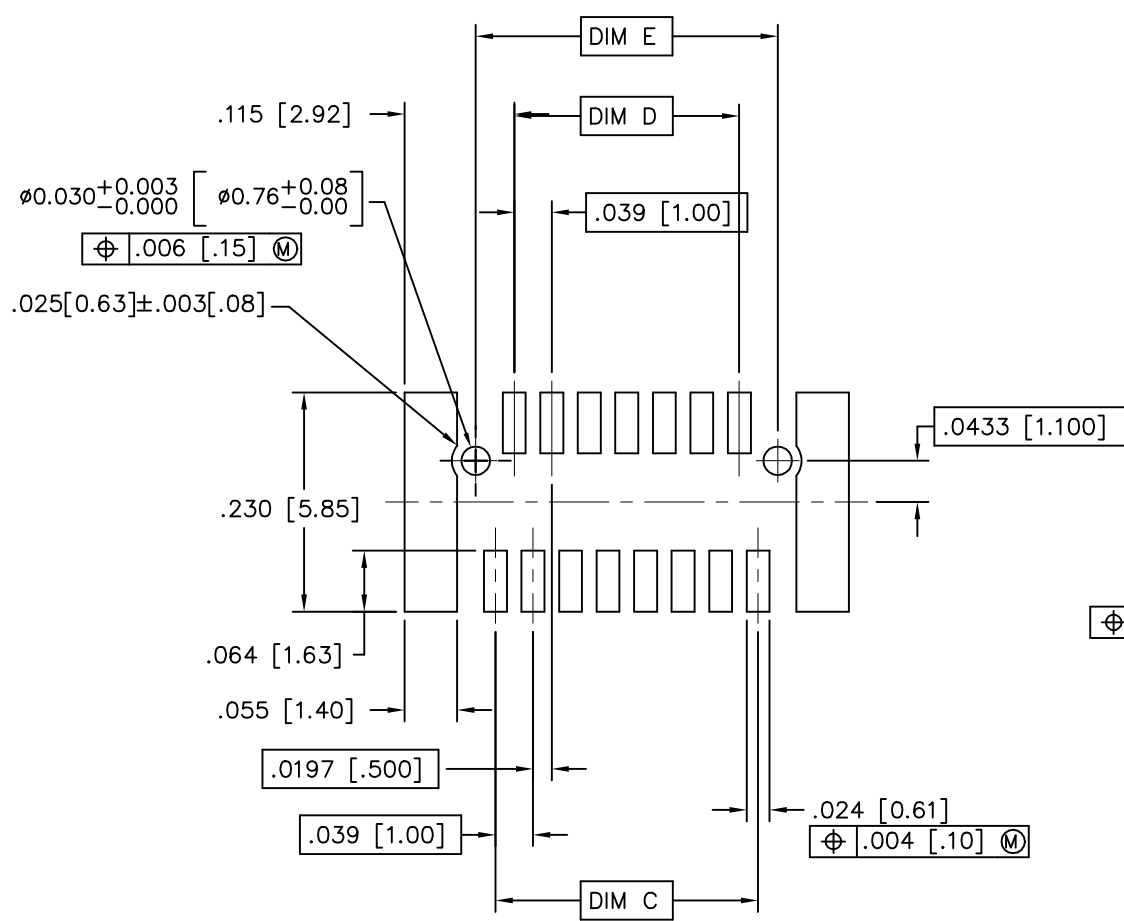


mat'l. code				surface	tolerance	projection	product family			
ISO 1302				ISO 406	ISO 1101	CONAN HPL548				
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title			
D					angles	.0±.3	ASSEMBLY CONAN CONNECTOR			
					linear	.00±.13				
					0°±2°	.000±.05	scale 1:1			
				dr	J.ZHOU	2011-07-20	Amphenol FCI			
				eng	Bob Gu	2020-04-21				
				chr	LQ Lei	2020-04-21				
				appd	Tim Yao	2020-04-21				
sheet	revision	D					dwg no			
index	sheet	2					10118744			
							type			
							Product Customer Drawing			

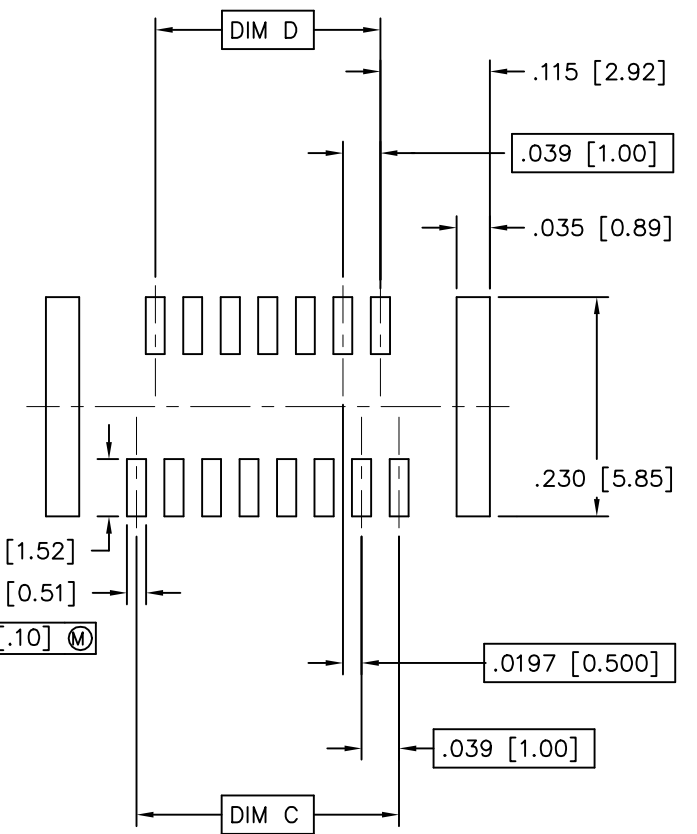
Amphenol
FCI

© 2016 APCI

PRODUCT NUMBER
SEE TABLE



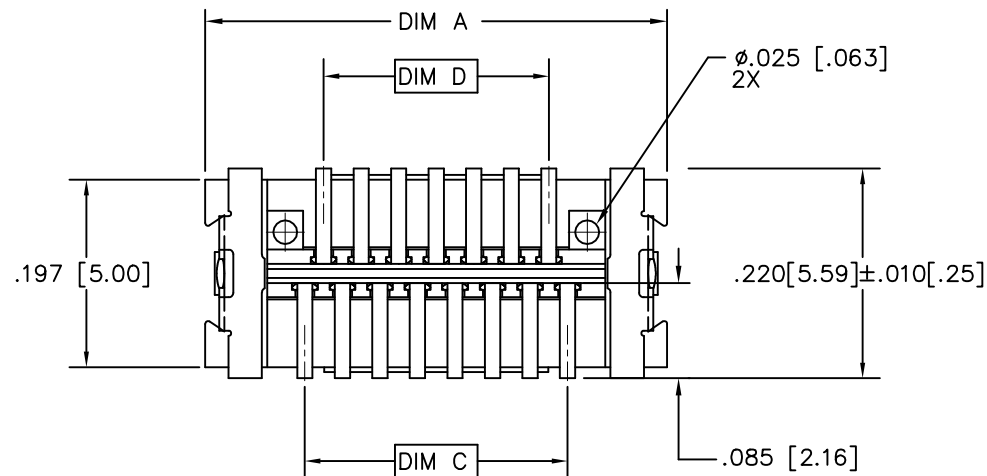
RECOMMENDED
PAD LAYOUT
FOR RECEPTACLE



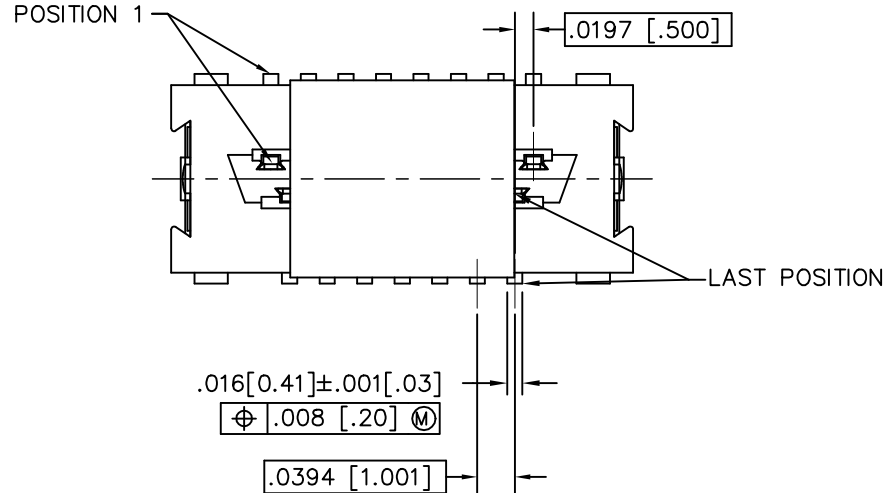
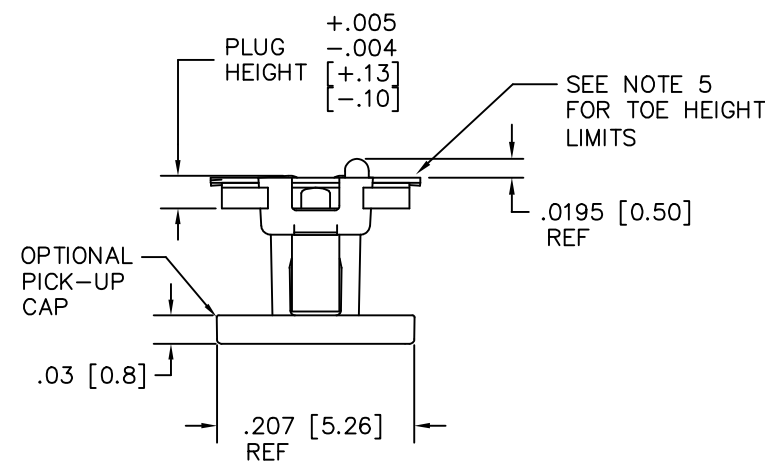
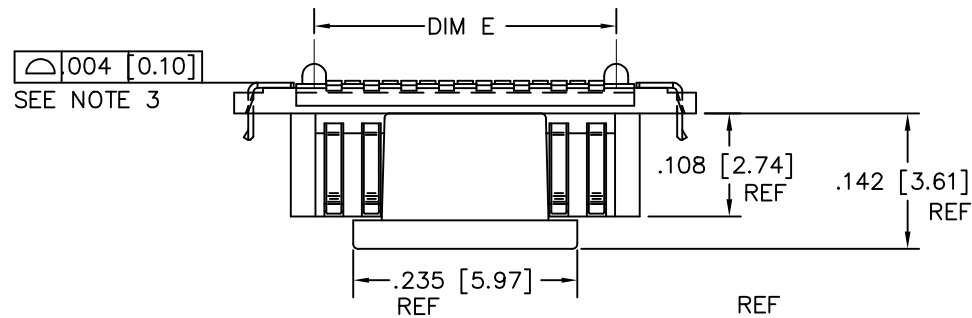
RECOMMENDED
STENCIL LAYOUT
FOR RECEPTACLE

mat'l. code				surface	tolerance	projection	product family			
ltr				ISO 1302	ISO 406	ISO 1101	CONAN HPL548			
ecn no				dr	date	tolerances unless otherwise specified	title			
D						angles	ASSEMBLY			
						linear	CONAN CONNECTOR			
						0°±2°	dwg no			
				dr	J.ZHOU	2011-07-20	sheet 3 of 7			
				engr	Bob Gu	2020-04-21	10118744			
				chr	LQ Lei	2020-04-21	A3			
				appd	Tim Yao	2020-04-21	type Product Customer Drawing			
sheet index	revision	D								
	sheet	2								

PRODUCT NUMBER
SEE TABLE



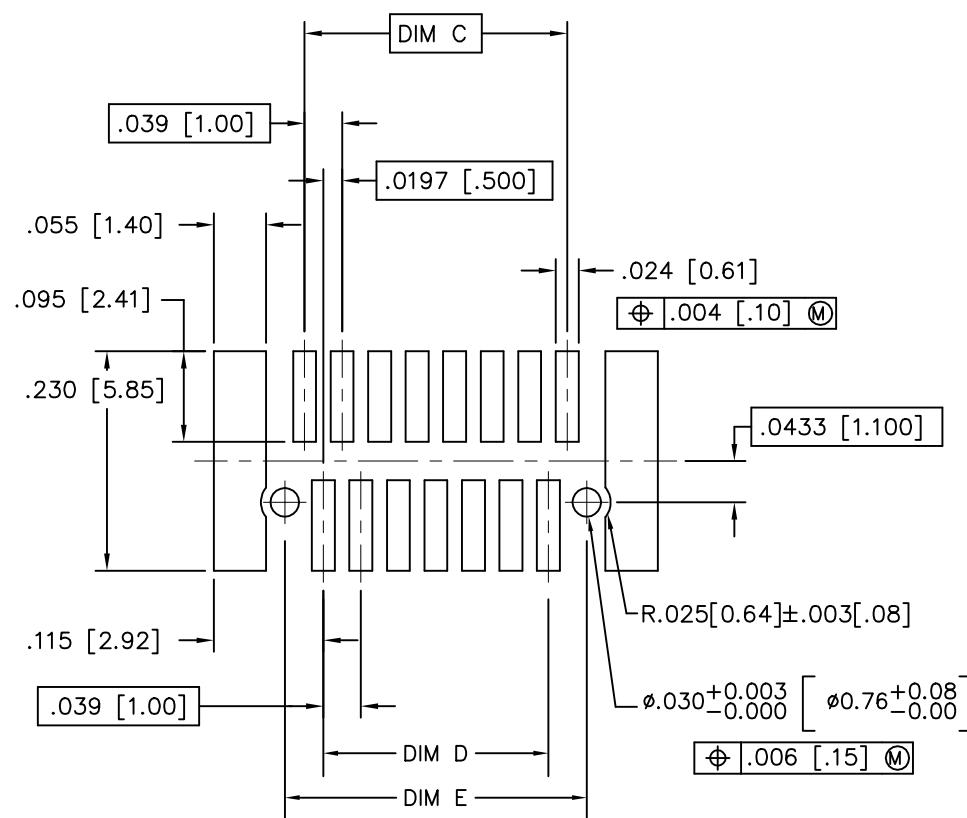
PLUG



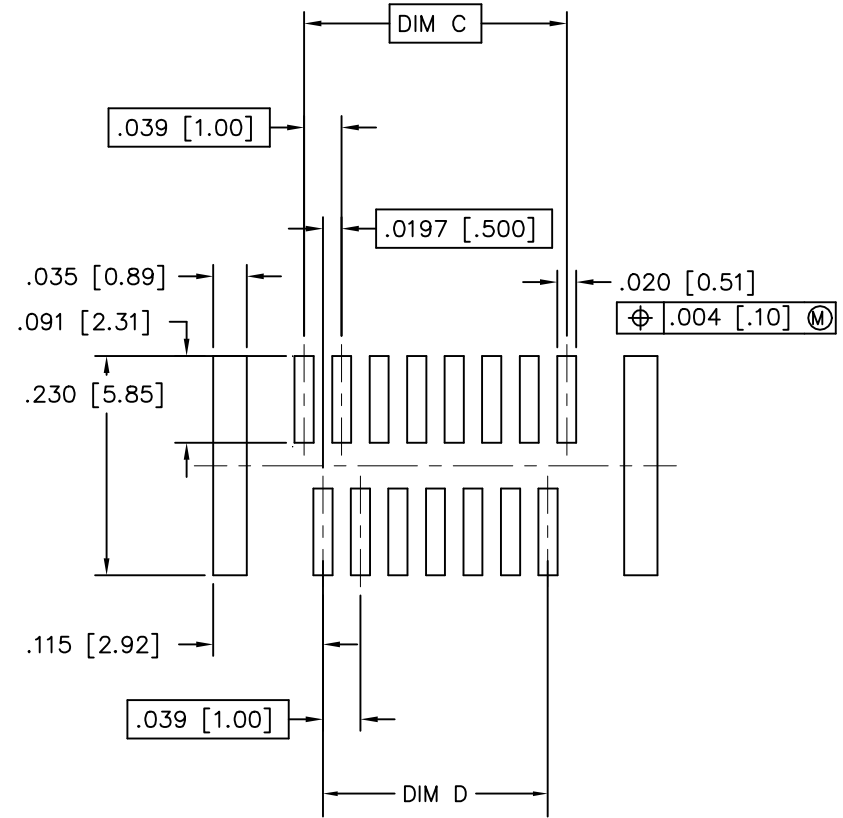
mat'l. code					surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family CONAN HPL548				
ltr	ecn	no	dr	date	tolerances unless otherwise specified						title ASSEMBLY CONAN CONNECTOR				
D					angles		.0±.3								
					linear		.00±.13								
					0°±2°		.000±.05		scale 1:1						
					dr	J.ZHOU	2011-07-20				dwg no		sheet4 of 7		size
					engr	Bob Gu	2020-04-21				10118744				A3
					chr	LQ Lei	2020-04-21								
					appd	Tim Yao	2020-04-21				type Product Customer Drawing				
sheet index		revision		D											
		sheet		2											

Amphenol
FCI
© 2016 APCI

PRODUCT NUMBER
SEE TABLE



RECOMMENDED
PAD LAYOUT
FOR PLUG



RECOMMENDED
STENCIL LAYOUT
FOR PLUG

mat'l. code				surface	tolerance	projection	product family			
ltr				ISO 1302	ISO 406	ISO 1101	CONAN HPL548			
ecn no				tolerances unless otherwise specified		mm	title			
dr				angles	.0±.3		ASSEMBLY CONAN CONNECTOR			
date				linear	.00±.13					
D				0°±2°	.000±.05	scale 1:1	dwg no			
				dr	J.ZHOU	2011-07-20	sheet 5 of 7			
				engr	Bob Gu	2020-04-21	10118744			
				chr	LQ Lei	2020-04-21	A3			
				appd	Tim Yao	2020-04-21	type Product Customer Drawing			
sheet index	revision	D								
	sheet	2								

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.

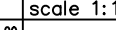
4. RECOMMENDED SOLDER PASTE THICKNESS IS
.006 TO .008 INCHES THICK.

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 HPL548			
ltr	ecn	no	dr	date	tolerances unless otherwise specified			title		ASSEMBLY CONAN CONNECTOR			
D					angles	linear	.0±.3						
							.00±.13						
					0°±2°		.000±.05	scale 1:1					
					dr	J.ZHOU	2011-07-20			dwg no		sheet6 of 7	size
					engr	Bob Gu	2020-04-21			10118744		A3	
					chr	LQ Lei	2020-04-21						
					appd	Tim Yao	2020-04-21						
sheet index		revision sheet		D 2						type Product Customer Drawing			

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

PICK AND PLACE CAP OR TAPE	C
WITH CAP	1

PACKAGING	W
PRESSURE SEALED TAPE & REEL	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

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 1101	product family CONAN HPL548			
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title ASSEMBLY CONAN CONNECTOR			
D					angles	.0±.3	mm scale 1:1			
					linear	.00±.13				
					0°±2°	.000±.05				
				dr	J.ZHOU	2011-07-20	Amphenol FCI			
				engr	Bob Gu	2020-04-21				
				chr	LQ Lei	2020-04-21				
				appd	Tim Yao	2020-04-21	type Product Customer Drawing			
sheet	revision	D								
index	sheet	2								