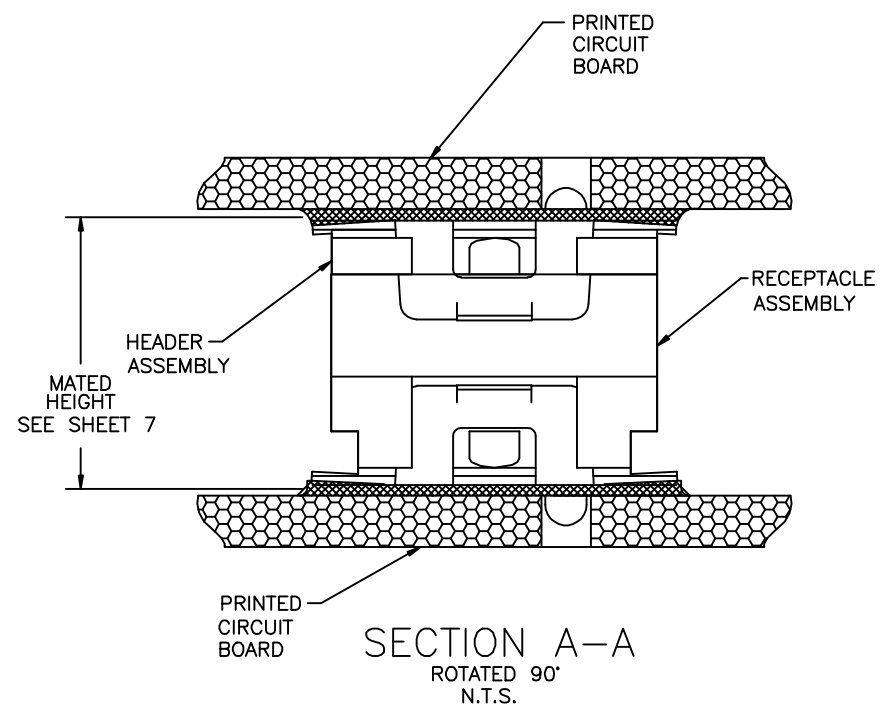
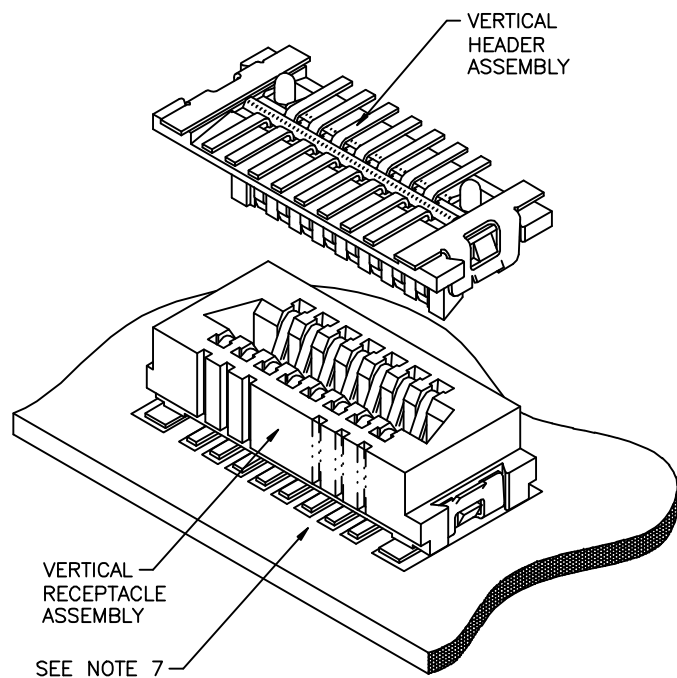


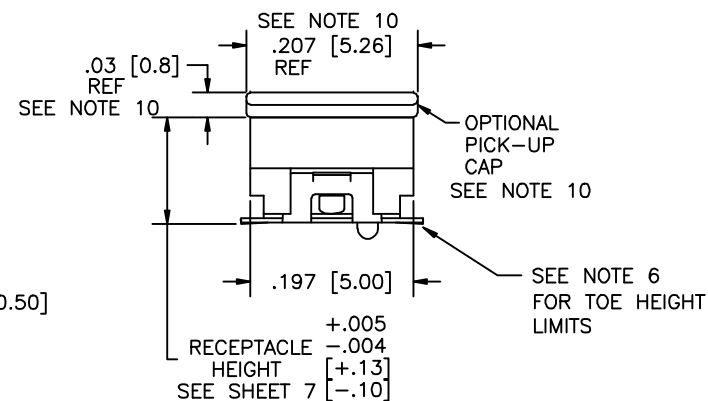
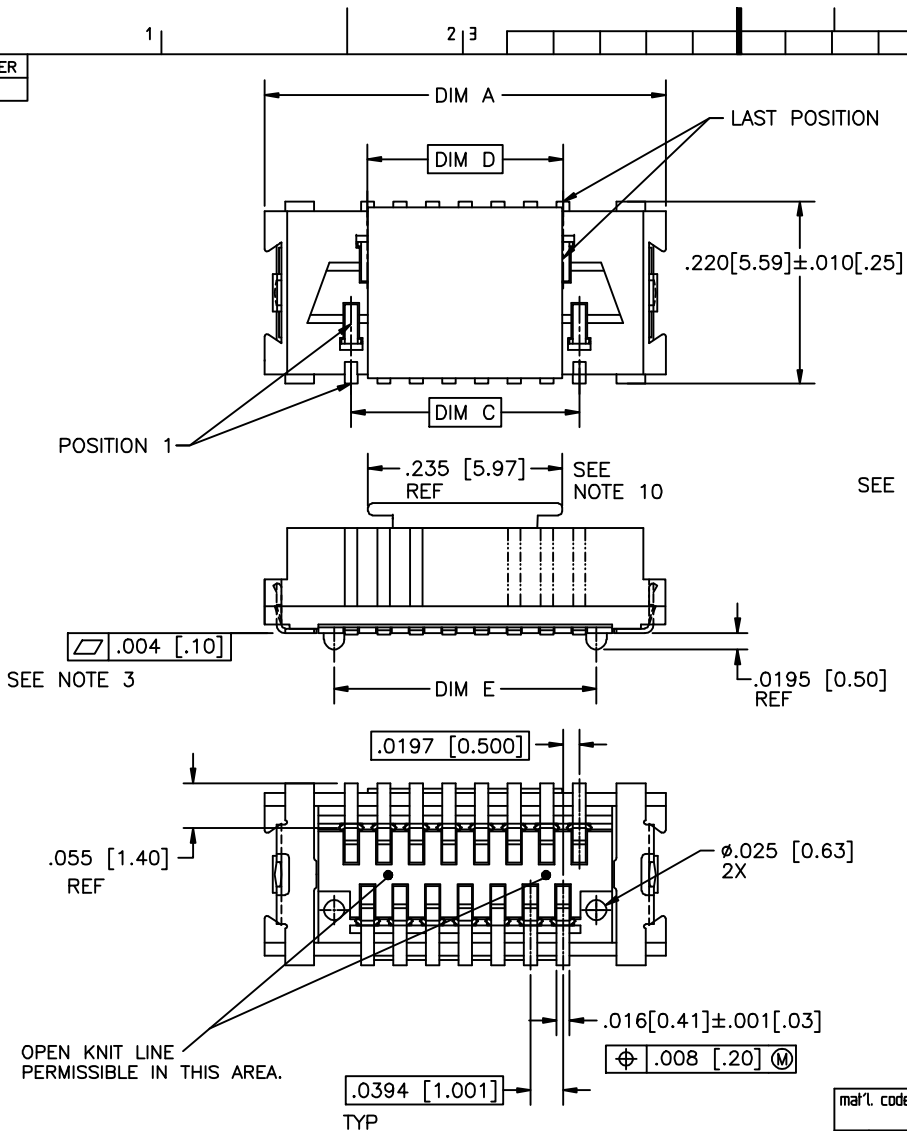


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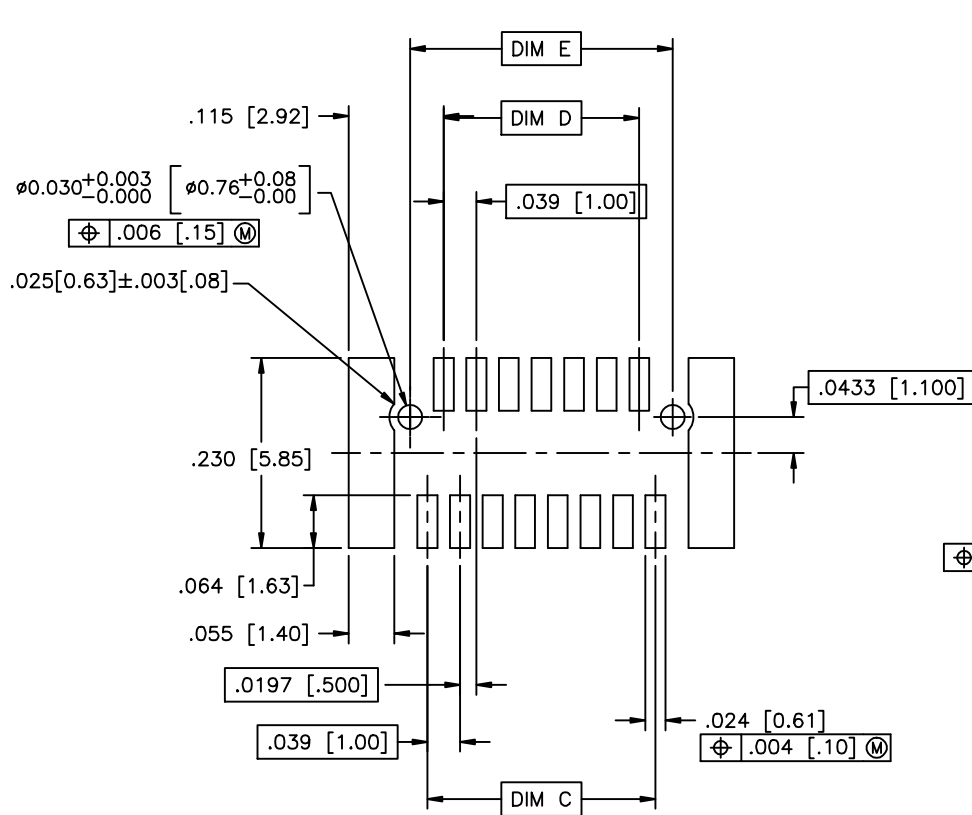
PRODUCT NUMBER  
SEE TABLE



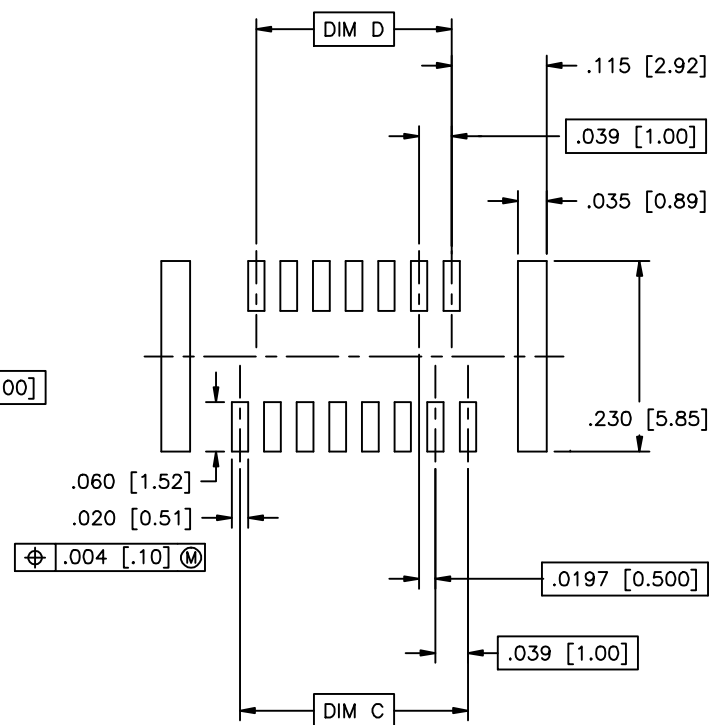
mat'l. code				surface ISO 1902	tolerance ISO 406 ISO 1101	projection	product family CONAN
ltr	ecn no	dr	date	tolerances unless otherwise specified		 INCH/MM scale 5:1	title
Y	V03-1347	AA	12/20/01	angles	linear		CONAN™ CONNECTOR ASSEMBLY
AA	M04-0190	MHT	9/24/04				dwg no
AB	M05-0110	MHT	5/26/05	0'±2'			91900
AC	M06-0232	AGS	06/12/06	dr	R.SEIPLE	11/13/91	sheet 1 of 7
AD	M06-0373	MHT	9/26/06	engr	D.HORCHLER	01/10/92	size A3
AE	M08-0012	AGS	1/11/08	chr	D.HORCHLER	01/10/92	
AF	M08-0287	MHT	10/02/08	appd	D.HORCHLER	01/10/92	
sheet	revision	AF	AF	AF	AF	AF	type
index	sheet	1	2	3	4	5	Product Customer Drawing



mat'l. code				surface ISO 1902	tolerance ISO 406 ISO 1101	projection ISO 1001	product family CONAN
ltr	ec'n no	dr	date	tolerances unless otherwise specified			title
AF				angles	linear	INCH/MM	CONAN™ CONNECTOR ASSEMBLY
				0° ± 2'		scale 5:1	dwg no
				dr	R. SEIPLE	11/13/91	sheet 2 of 7 size
				engr	D. HORCHLER	01/10/92	A3
				chr	D. HORCHLER	01/10/92	
				appd	D. HORCHLER	01/10/92	
sheet	revision						type
index	sheet						Product Customer Drawing

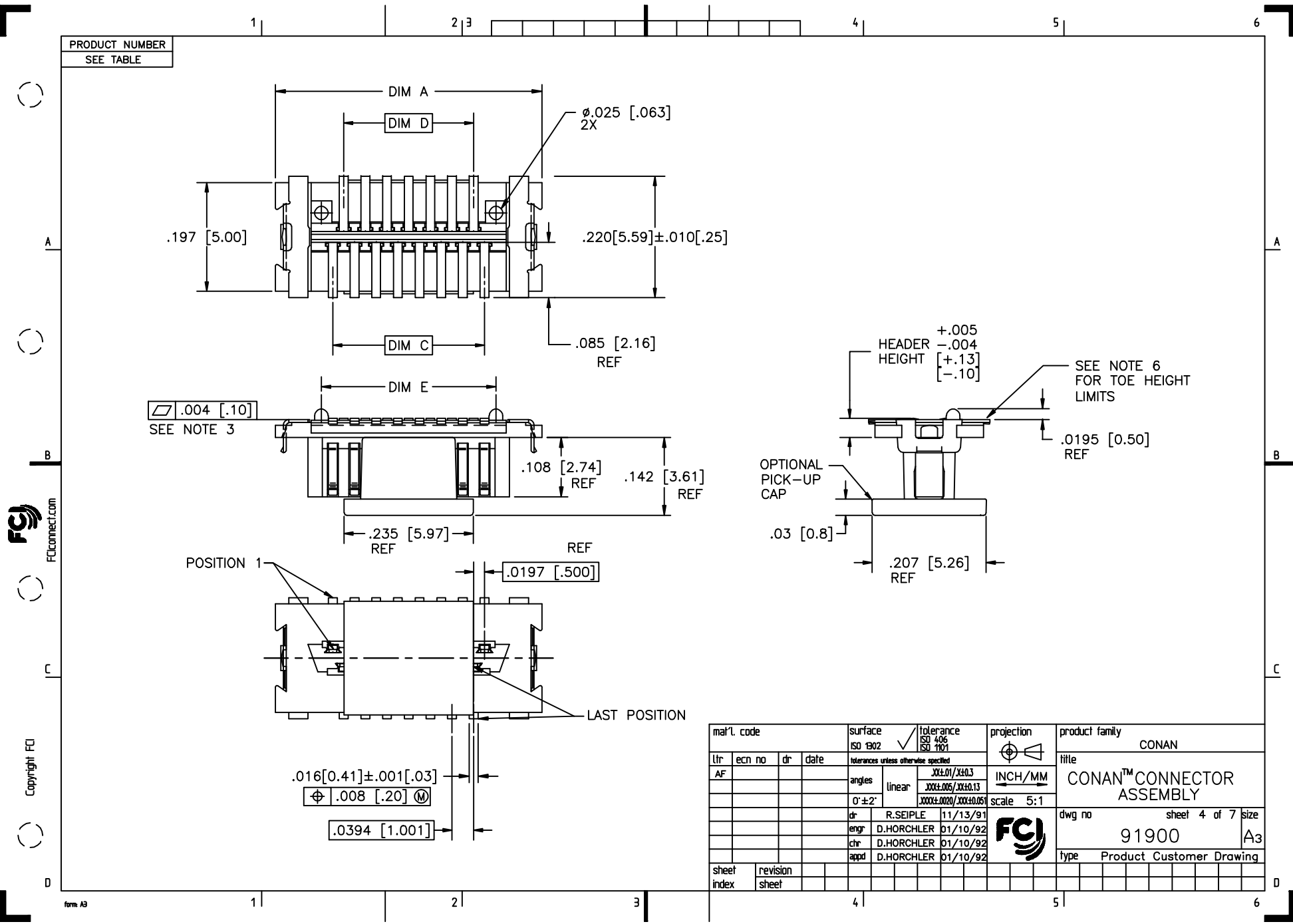


## RECOMMENDED PAD LAYOUT



RECOMMENDED  
STENCIL LAYOUT  
FOR RECEPTACLE

[illegible]



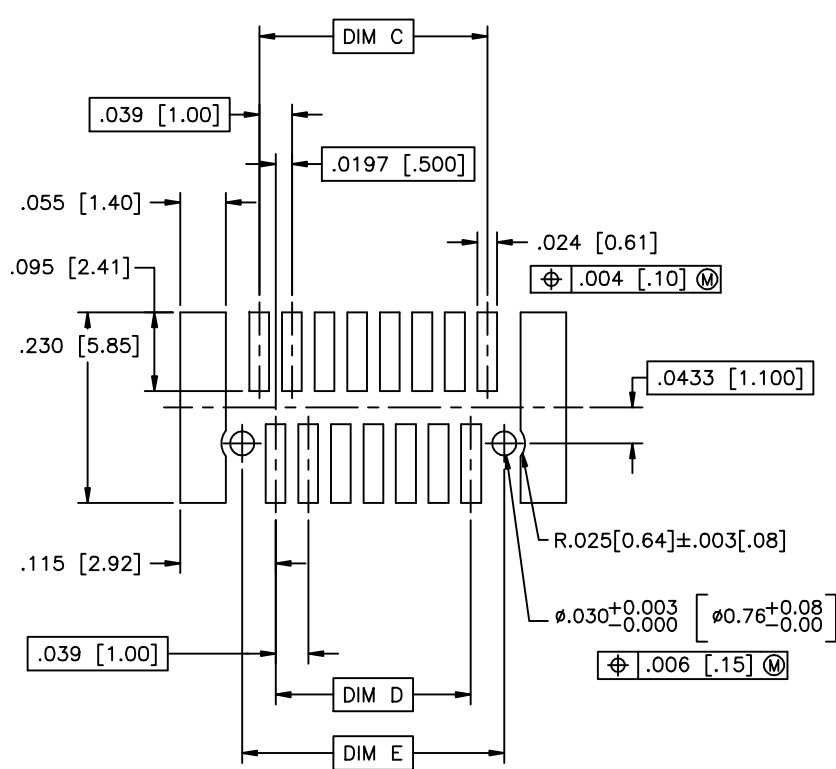
FCI  
FCIconnect.com  
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mat'l. code				surface ISO 1902	tolerance ISO 406 ISO 1101	projection	product family CONAN
ltr	ecn no	dr	date	tolerances unless otherwise specified			title
AF				angles	linear	INCH/MM	CONAN™ CONNECTOR ASSEMBLY
				0° ± 2°	.XXX ± .01 / .XXX ± .03 .XXX ± .005 / .XXX ± .013 .XXX ± .0020 / .XXX ± .005	scale 5:1	dwg no 91900 sheet 4 of 7 size A3
				dr	R. SEIPLE 11/13/91	FCI	type Product Customer Drawing
				engr	D. HORCHLER 01/10/92		
				chr	D. HORCHLER 01/10/92		
				appd	D. HORCHLER 01/10/92		
sheet index	revision sheet						

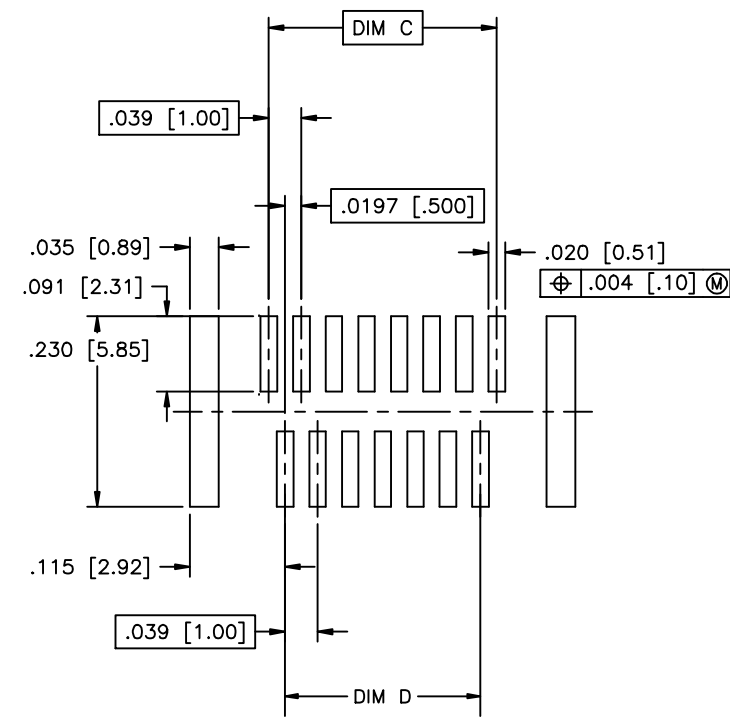


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PRODUCT NUMBER  
SEE TABLE



RECOMMENDED  
PAD LAYOUT



RECOMMENDED  
STENCIL LAYOUT  
FOR HEADER

mat'l. code				surface ISO 1902	tolerance ISO 406 ISO 1101	projection	product family CONAN
ltr	ec'n no	dr	date	tolerances unless otherwise specified		 INCH/MM	title CONAN™ CONNECTOR ASSEMBLY
AF				angles	linear		
				0° ± 2°		scale 5:1	dwg no
				dr	R. SEIPLE	11/13/91	sheet 5 of 7 size
				engr	D. HORCHLER	01/10/92	91900
				chr	D. HORCHLER	01/10/92	A3
				appd	D. HORCHLER	01/10/92	type
sheet	revision						Product Customer Drawing
index	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
- ⑫ 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 1902 ✓ ISO 406 ISO 1101		projection INCH/MM		product family CONAN	
ltr	ecr no	dr	date	tolerances unless otherwise specified		INCH/MM		title CONAN™ CONNECTOR ASSEMBLY	
AF				angles	linear	scale 5:1		dwg no 91900	
				0° ±2'				sheet 6 of 7 size A3	
				dr	R.SEIPLE	11/13/91		type Product Customer Drawing	
				engr	D.HORCHLER	01/10/92			
				chr	D.HORCHLER	01/10/92			
				appd	D.HORCHLER	01/10/92			
sheet	revision								
index	sheet								

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 1902	tolerance ISO 406 ISO 1101	projection 	product family CONAN
ltr	ecn no	dr	date	tolerances unless otherwise specified			title
AF				angles	linear	INCH/MM	CONAN™ CONNECTOR ASSEMBLY
				0° ± 2°	.001 ± .01 / .01 ± .03 .001 ± .005 / .005 ± .013 .0005 ± .0020 / .001 ± .005	scale 5:1	dwg no
				dr	R. SEIPLE	11/13/91	sheet 7 of 7 size
				engr	D. HORCHLER	01/10/92	A3
				chr	D. HORCHLER	01/10/92	
				appd	D. HORCHLER	01/10/92	
sheet	revision			type Product Customer Drawing			
index	sheet						