

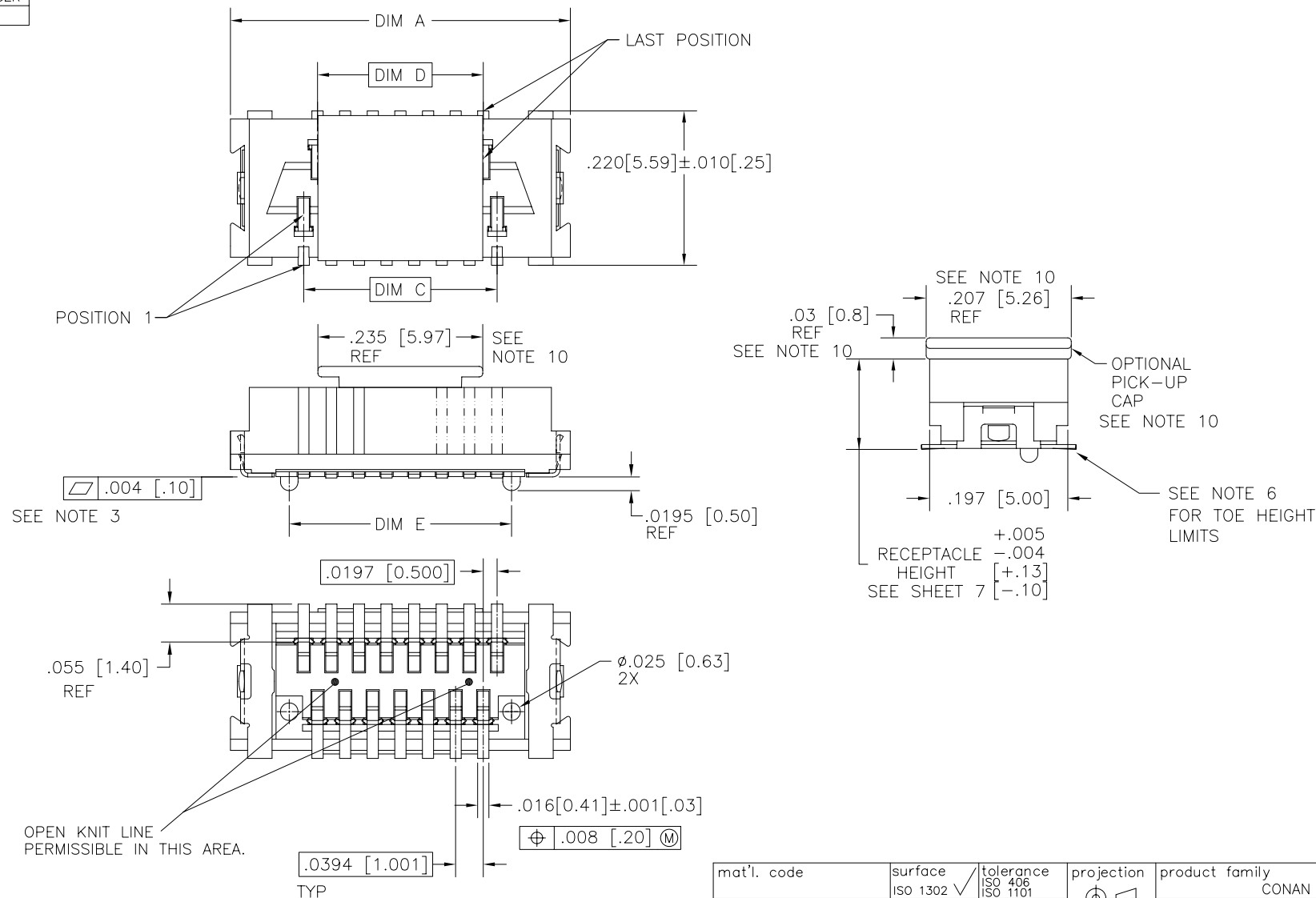
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ltr	ecp no	dr	date	tolerances unless otherwise specified			title
W	V11093	CRG	03/21/01	angles	linear	scale 5:1	CONAN™ CONNECTOR ASSEMBLY
X	V12858	CRG	12/20/01				dwg no
Y	V03-1347	PJ	01/23/04	0'±2'			91900
AA	M04-0190	MHT	9/24/04	dr	R.SEIPLE	11/13/91	sheet 1 of 7
AB	M05-0110	MHT	5/26/05	enrg	D.HORCHLER	01/10/92	size
AC	M06-0232	AGS	06/12/06	chr	D.HORCHLER	01/10/92	A3
AD	M06-0373	MHT	9/26/06	appd	D.HORCHLER	01/10/92	type
sheet	revision	AD	AD	AD	AD	AD	Product Customer Drawing
index	sheet	1	2	3	4	5	





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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							
AD								angles		linear		INCH/MM		CONAN™ CONNECTOR ASSEMBLY					
										.XX±.01/0.3									
								.XXX±.005/0.13											
								0°±2'				.XXX±.0020/0.051		scale 5:1					
						dr		R.SEIPLE		11/13/91				dwg no		sheet2 of 7		size	
						enrg		D.HORCHLER		01/10/92				71900		A3			
						chr		D.HORCHLER		01/10/92									
						appd		D.HORCHLER		01/10/92									
sheet index		revision sheet												type		Product		Customer Drawing	

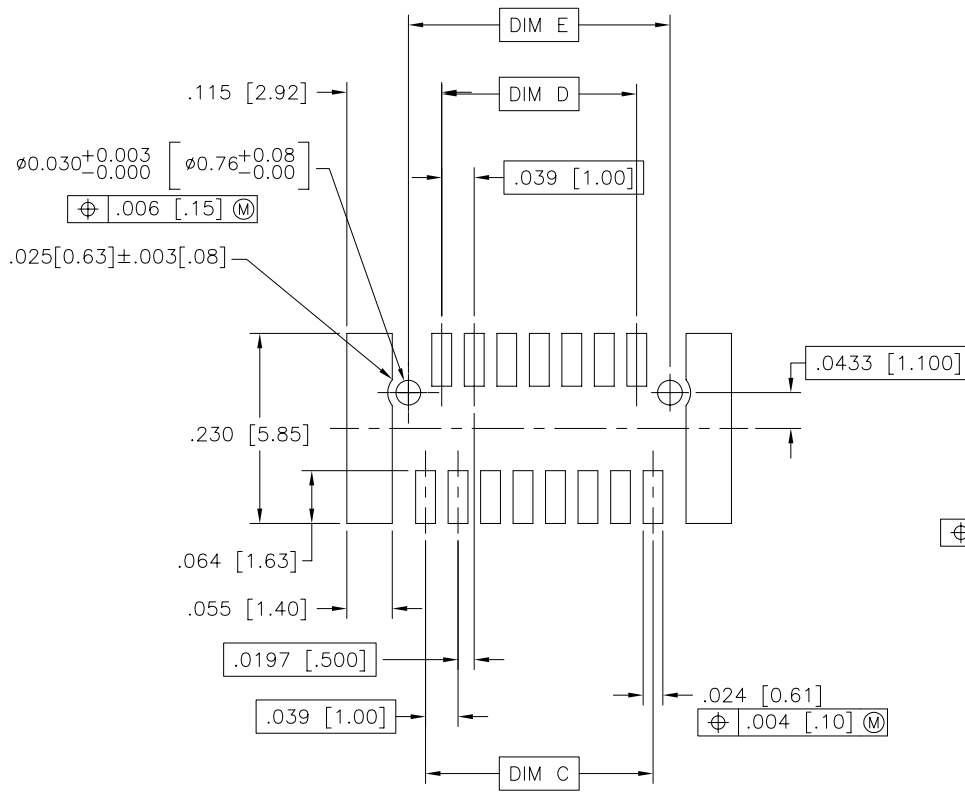
form: A3



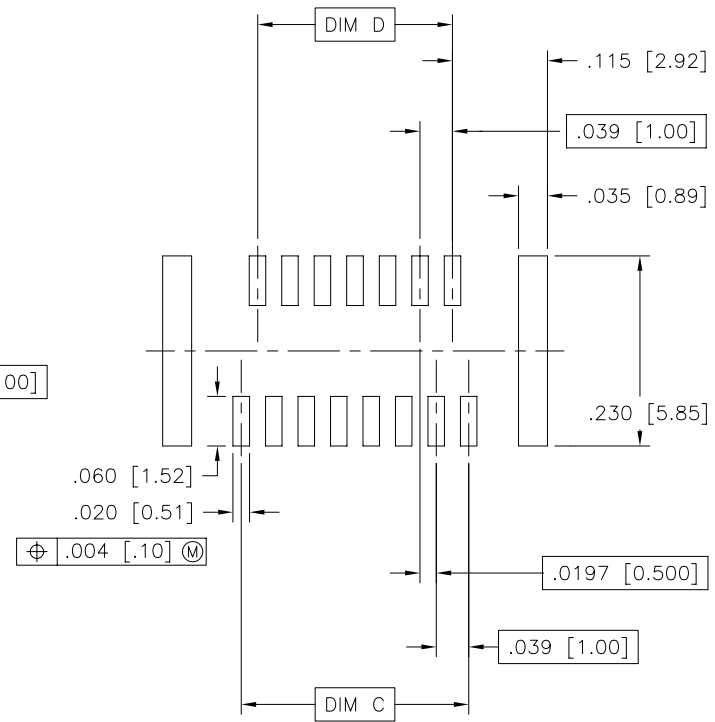
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RECOMMENDED  
PAD LAYOUT



RECOMMENDED  
STENCIL LAYOUT  
FOR 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		title CONAN™ CONNECTOR ASSEMBLY			
AD					angles linear .XX±.01/0.3		dwg no			
					0'±2' .XXX±.005/0.13		sheet 3 of 7			
					.XXXX±.0020/0.051		size A3			
				dr	R.SEIPLE 11/13/91		type			
				enr	D.HORCHLER 01/10/92		Product Customer Drawing			
				chr	D.HORCHLER 01/10/92					
				appd	D.HORCHLER 01/10/92					
sheet index	revision sheet									

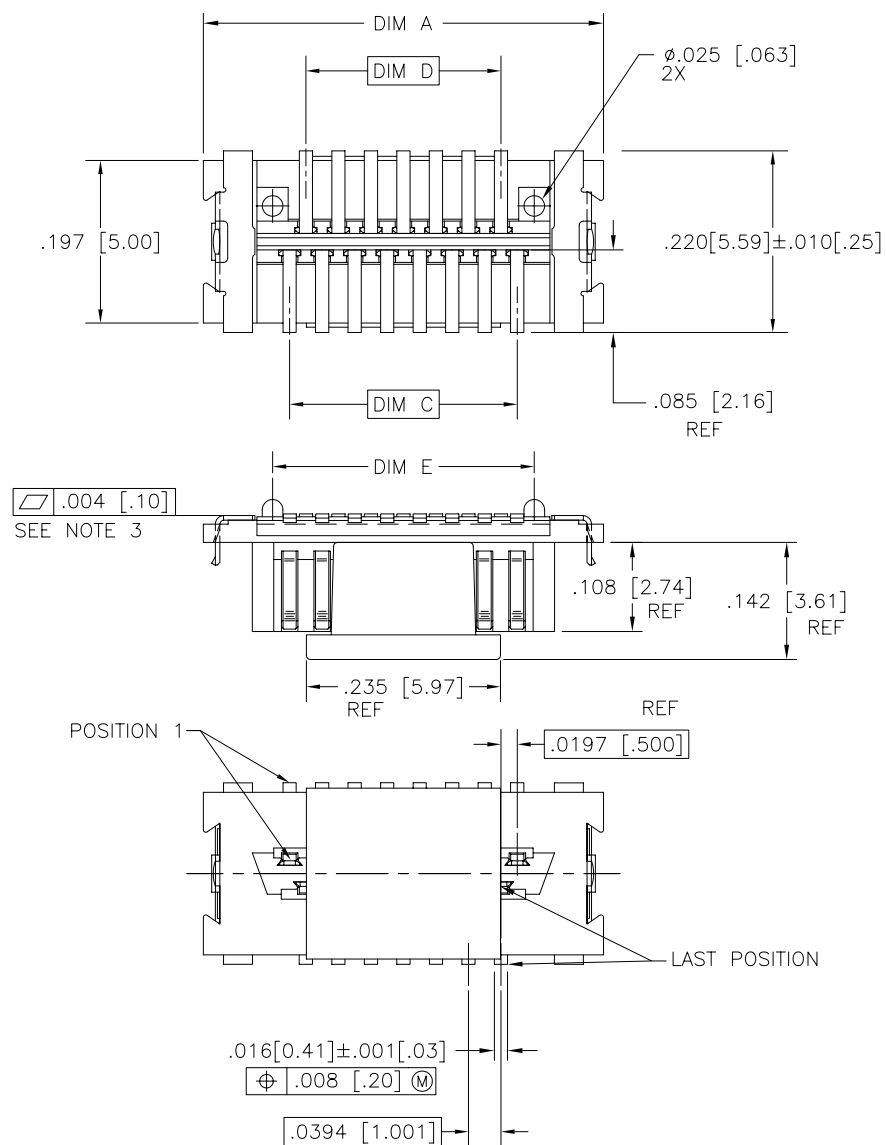
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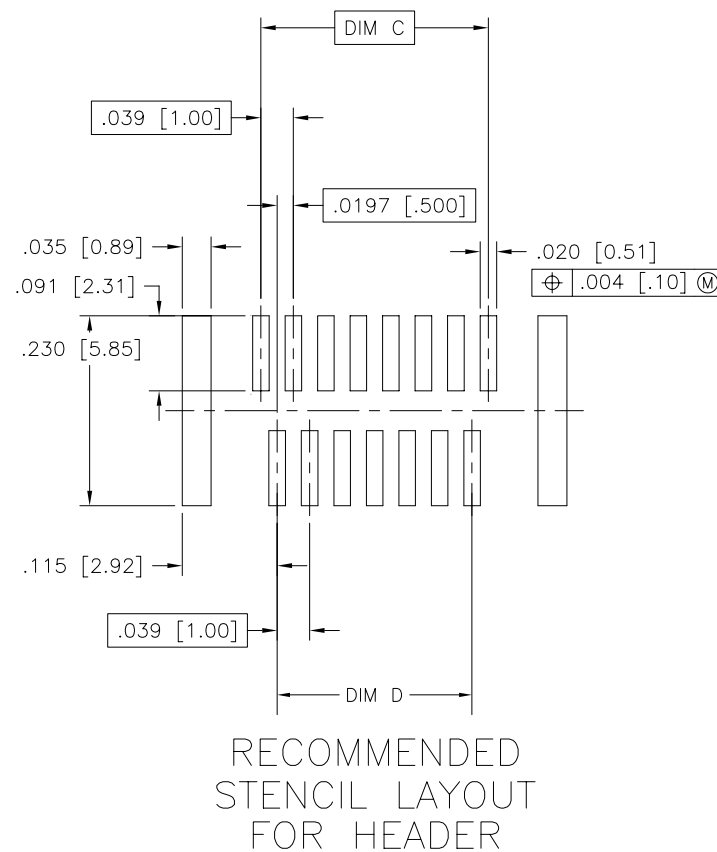
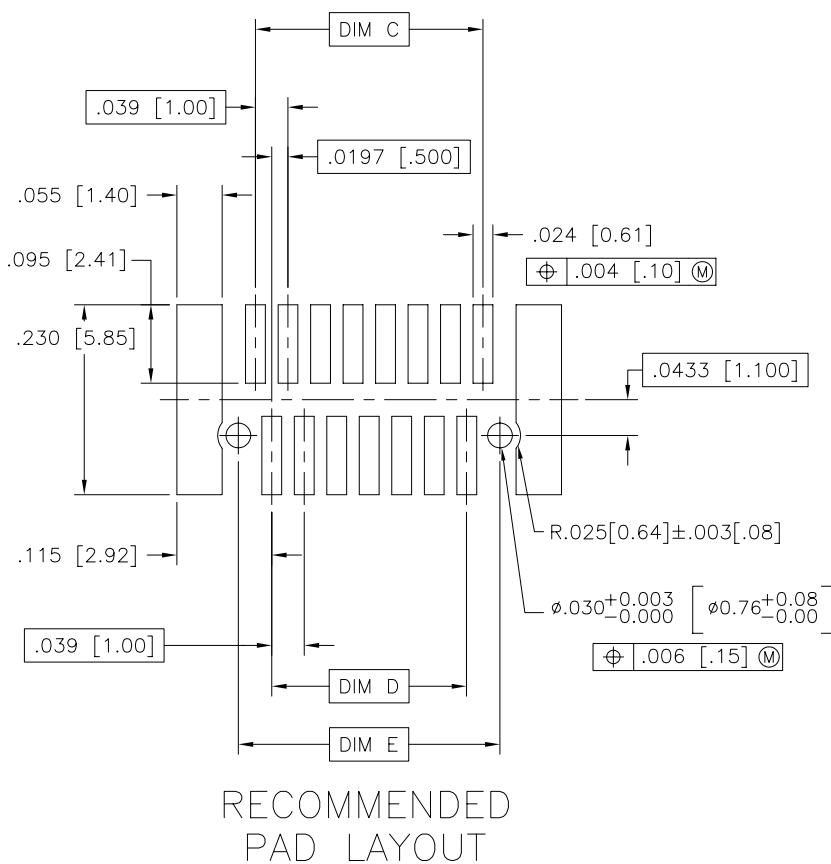
mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection INCH/MM	product family CONAN
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title
AD					angles linear	scale 5:1	CONAN™ CONNECTOR ASSEMBLY
					0°±2'		dwg no
							sheet 4 of 7
					dr R.SEIPLE 11/13/91		size A3
					enr D.HORCHLER 01/10/92		
					chr D.HORCHLER 01/10/92		
					app D.HORCHLER 01/10/92		
sheet index	revision sheet						type Product Customer Drawing



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PRODUCT NUMBER  
SEE TABLE



mat'l. code				surface ISO 1302 <input checked="" type="checkbox"/>	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
AD				angles	linear		
				0°±2'	.XX±.01/0.3 .XXX±.005/0.13 .XXXX±.0020/0.051		
				dr	R.SEIPLE 11/13/91		dwg no 91900 sheet 5 of 7 size A3
				enr	D.HORCHLER 01/10/92		
				chr	D.HORCHLER 01/10/92		
				appd	D.HORCHLER 01/10/92		
sheet index	revision sheet						type Product Customer Drawing

form: A3

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 PART NUMBERS WITH "LF" SUFFIX IN THE END ARE LEAD FREE OPTION. SEE CONAN ASSY P/N NUMBERS

12. 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

13. THIS PRODUCT 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 INCH/MM	product family CONAN
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title
AD					angles linear .XX±.01/0.3		CONAN™ CONNECTOR ASSEMBLY
					0°±2' .XXX±.005/0.13		dwg no sheet6 of 7 size
					.XXX±.0020/0.051		91900 A3
				dr	R.SEIPLE 11/13/91		type Product Customer Drawing
				enr	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

## CONAN ASSEMBLY PART NUMBER

919 T C - W X Y ZZ LF

LEAD FREE OPTION  
SEE NOTE 11

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	+0.010 -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]	
* 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 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family CONAN
ltr	ecn no	dr	date	tolerances unless otherwise specified			title
AD				angles linear	.XX±.01/0.3 .XXX±.005/0.13 .XXXX±.0020/0.051	scale 5:1	CONAN™ CONNECTOR ASSEMBLY
				dr	R.SEIPLE 11/13/91		dwg no
				enr	D.HORCHLER 01/10/92		sheet 7 of 7 size
				chr	D.HORCHLER 01/10/92		91900 A3
				app	D.HORCHLER 01/10/92		type Product Customer Drawing
sheet index	revision sheet						