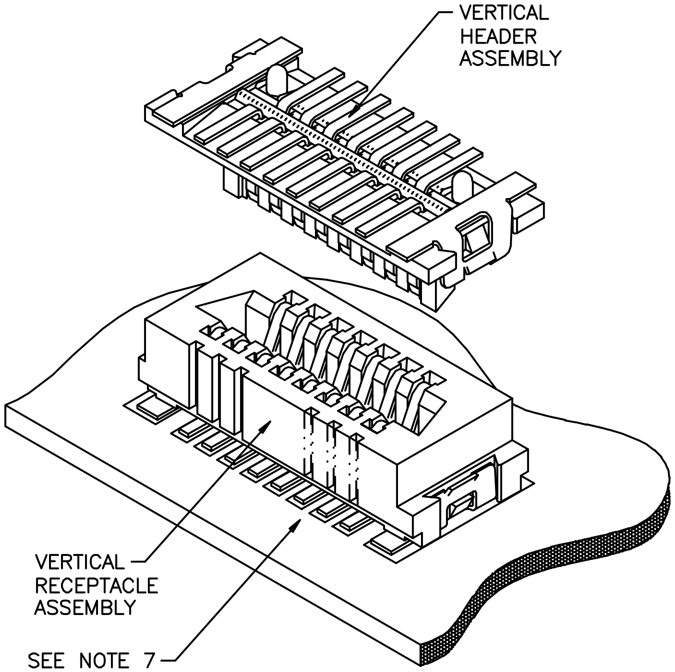
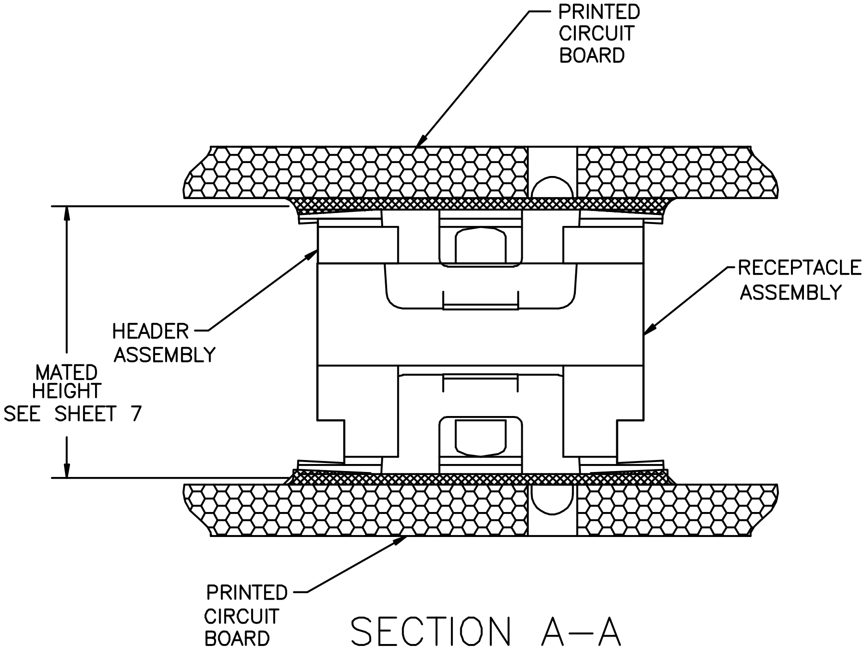
PRODUCT NUMBER
SEE TABLE





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		title
Y	V03–1347	AA	12/20/01	angles	linear .XX±.01/.X±0.3	INCH/MM	CONAN™ CONNECTOR ASSEMBLY
AA	M04–0190	MHT	9/24/04		linear .XXX±.005/.XX±0.13		
AB	M05–0110	MHT	5/26/05	0°±2°	linear .XXXX±.0020/.XXX±0.051	scale 5:1	

AC	M06–0232	AGS	06/12/06	dr R.SEIPLE	11/13/91
AD	M06–0373	MHT	9/26/06	engr D.HORCHLER	01/10/92
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

dwg no 91900
sheet 1 of 7
size A3
type Product Customer Drawing

sheet index								
	revision	AF	AF	AF	AF	AF	AF	AF
	sheet	1	2	3	4	5	6	7

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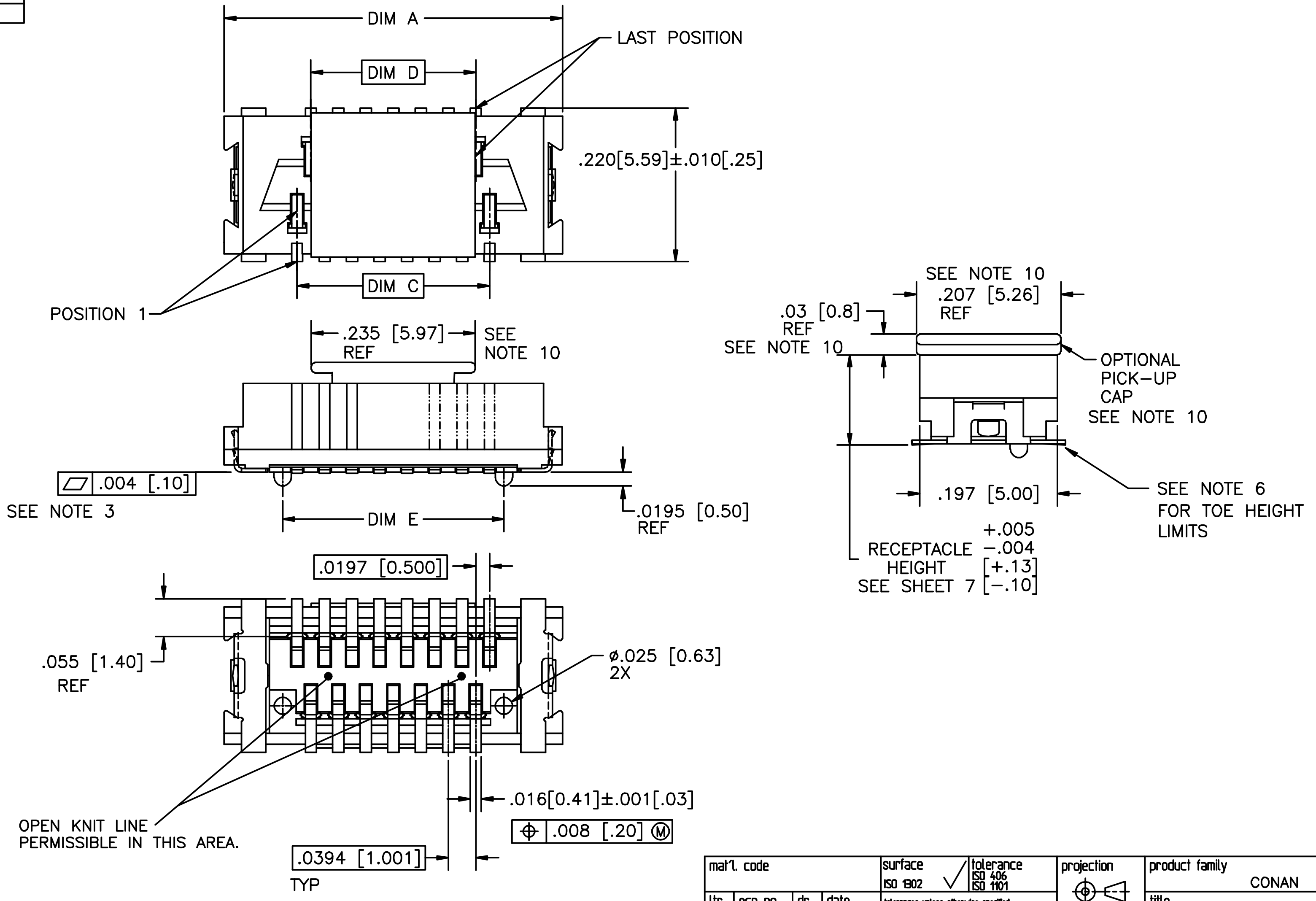
PRODUCT NUMBER
SEE TABLE



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	
AF				angles 0°±2°	linear .XX±.01/.X±0.3 .XXX±.005/.XX±0.13 .XXXX±.0020/.XXX±0.051	INCH/MM scale 5:1	CONAN™ CONNECTOR ASSEMBLY	
				dr	R.SEIPLE	11/13/91	dwg no 91900	sheet 2 of 7, size A3
				engr	D.HORCHLER	01/10/92		
				chr	D.HORCHLER	01/10/92		
				appd	D.HORCHLER	01/10/92	type	Product Customer Drawing
sheet index	revision sheet							

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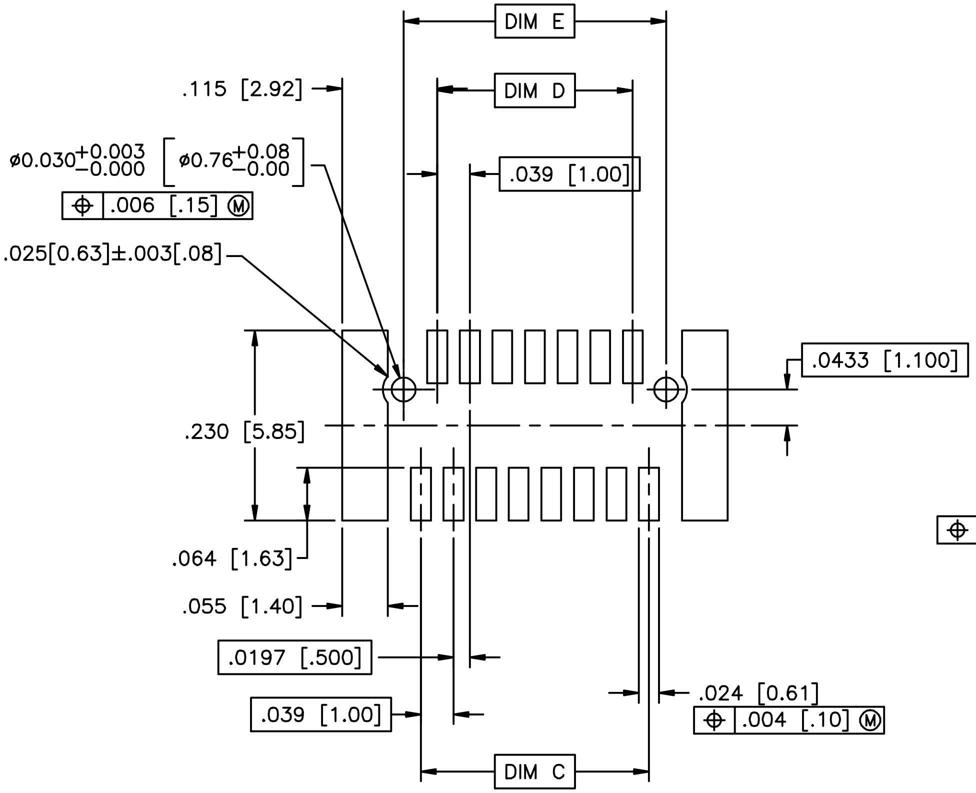
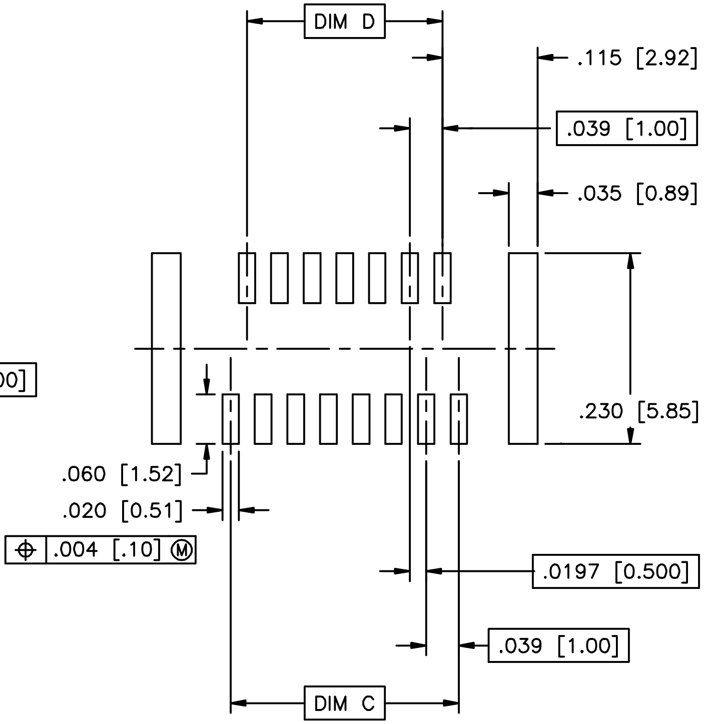
form: A3

PRODUCT NUMBER
SEE TABLE



RECOMMENDED PAD LAYOUT



RECOMMENDED STENCIL LAYOUT FOR RECEPTACLE

mat'l. code

surface ISO 1302 √

tolerance ISO 406 ISO 1101

tolerances unless otherwise specified

angles 0°±2°

linear .XX±.01/X±0.3 .XXX±.005/.XX±0.13 .XXXX±.0020/.XXX±0.051

projection

INCH/MM

scale 5:1

product family CONAN

title CONAN™ CONNECTOR ASSEMBLY

ltr	ecn no	dr	date
AF			

dr	R.SEIPLE	11/13/91
engr	D.HORCHLER	01/10/92
chr	D.HORCHLER	01/10/92
appd	D.HORCHLER	01/10/92

dwg no 91900

sheet 3 of 7

size A3

type Product Customer Drawing

sheet index

revision sheet

form: A3

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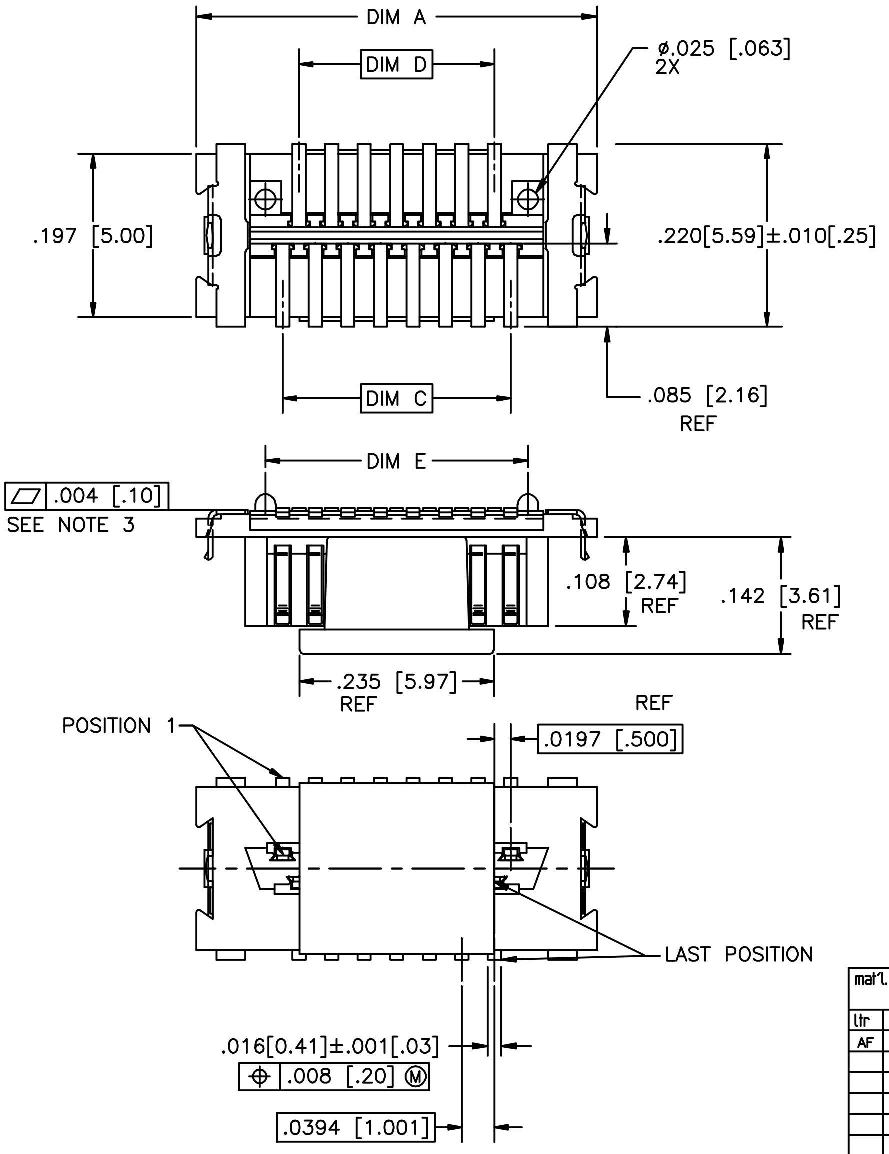
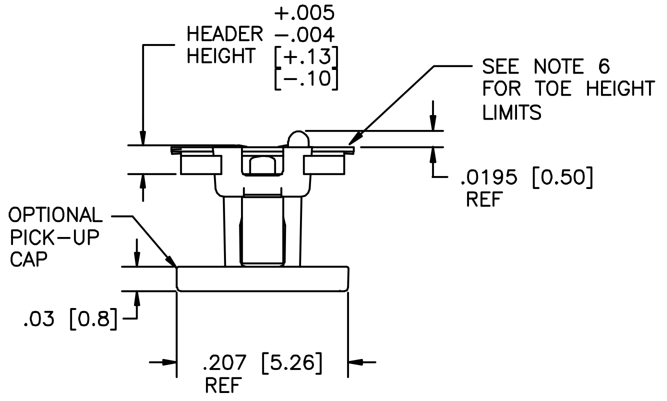
PRODUCT NUMBER
SEE TABLE





mat'l. code
surface ISO 1302 √
tolerance ISO 406 ISO 1101
projection
product family CONAN

ltr	ecn no	dr	date
AF			

tolerances unless otherwise specified
angles 0°±2°
linear .XX±.01/.X±0.3 .XXX±.005/.XX±0.13 .XXXX±.0020/.XXX±0.051
INCH/MM
scale 5:1

title
CONAN™ CONNECTOR
ASSEMBLY

dr	R.SEIPLE	11/13/91
engr	D.HORCHLER	01/10/92
chr	D.HORCHLER	01/10/92
appd	D.HORCHLER	01/10/92

dwg no 91900
sheet 4 of 7
size A3
type Product Customer Drawing

sheet index
revision sheet

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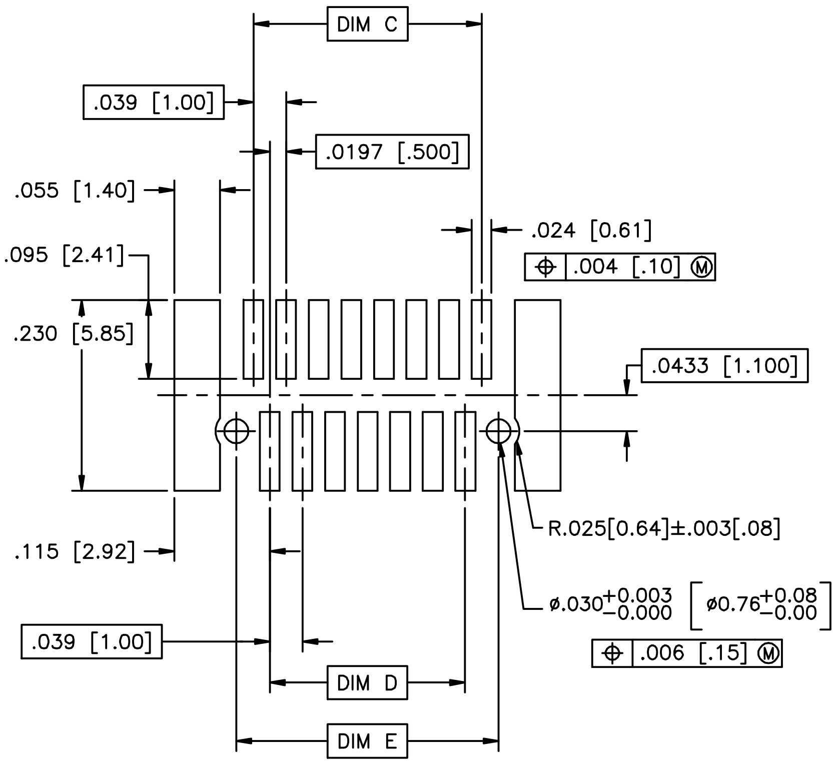
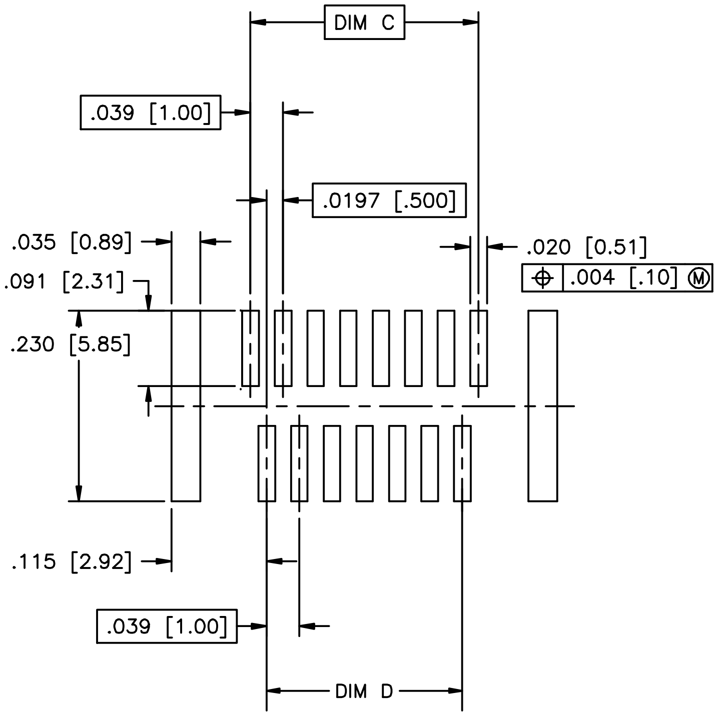
form: A3

PRODUCT NUMBER
SEE TABLE



RECOMMENDED
PAD LAYOUT



RECOMMENDED
STENCIL LAYOUT
FOR HEADER

mat'l. code
surface ISO 1302
tolerance ISO 406 ISO 1101
projection
product family CONAN
ltr | ecn no | dr | date
AF
tolerances unless otherwise specified
angles 0°±2°
linear .XX±.01/X.X±0.3 .XXX±.005/.XX±0.13 .XXXX±.0020/.XXX±0.051
INCH/MM
scale 5:1
title CONAN™ CONNECTOR ASSEMBLY
dr R.SEIPLE 11/13/91
engr D.HORCHLER 01/10/92
chr D.HORCHLER 01/10/92
appd D.HORCHLER 01/10/92
dwg no 91900
sheet 5 of 7
size A3
type Product Customer Drawing
sheet index
revision sheet

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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. 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 1302 ✓	tolerance ISO 406 ISO 1101	projection	product family CONAN
ltr	ecn no	dr	date	tolerances unless otherwise specified			title
AF				angles	linear .XX±.01/.X±0.3	INCH/MM	CONAN™ CONNECTOR ASSEMBLY
					.XXX±.005/.XX±0.13		
				0°±2°	.XXXX±.0020/.XXX±0.051	scale 5:1	
				dr R.SEIPLE	11/13/91		dwg no 91900 sheet 6 of 7 size A3
				engr D.HORCHLER	01/10/92		
				chr D.HORCHLER	01/10/92		
				appd D.HORCHLER	01/10/92		type Product Customer Drawing
sheet index	revision sheet						

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PDM: Rev:AF STATUS:Released Printed: Dec 07, 2011

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

X	PLATING
1	15u"/.38u GXT™
2	30u"/.76u GXT™

	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

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	product family CONAN		
ltr	ecn no	dr	date	tolerances unless otherwise specified		title CONAN™ CONNECTOR ASSEMBLY	
AF				angles 0°±2°	linear .XX±.01/.X±0.3 .XXX±.005/.XX±0.13 .XXXX±.0020/.XXX±0.051	INCH/MM scale 5:1	
				dr R.SEIPLE 11/13/91		dwg no 91900	sheet 7 of 7 size A3
				engr D.HORCHLER 01/10/92			
				chr D.HORCHLER 01/10/92			
				appd D.HORCHLER 01/10/92		type Product Customer Drawing	
sheet index	revision sheet						

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