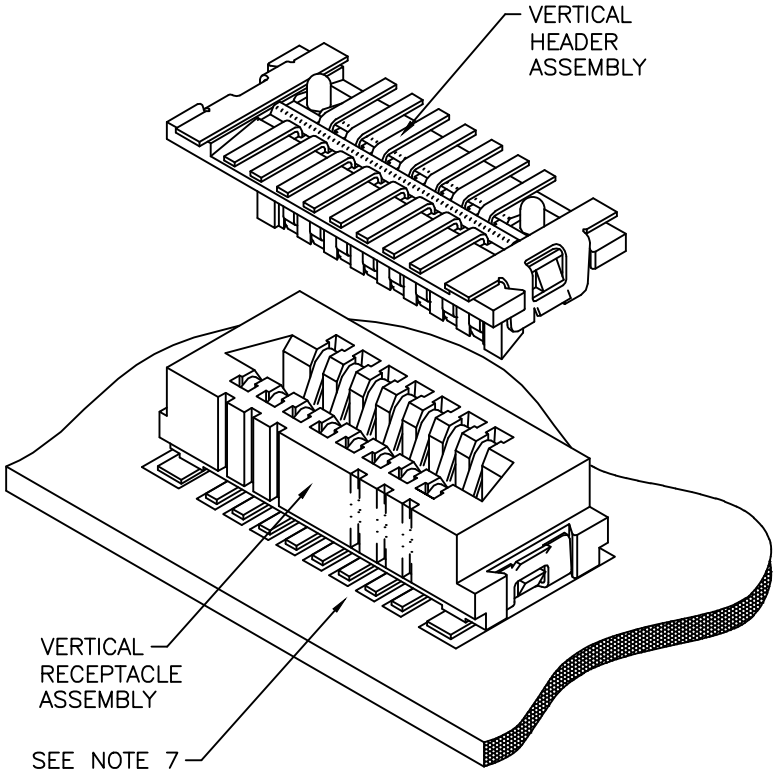
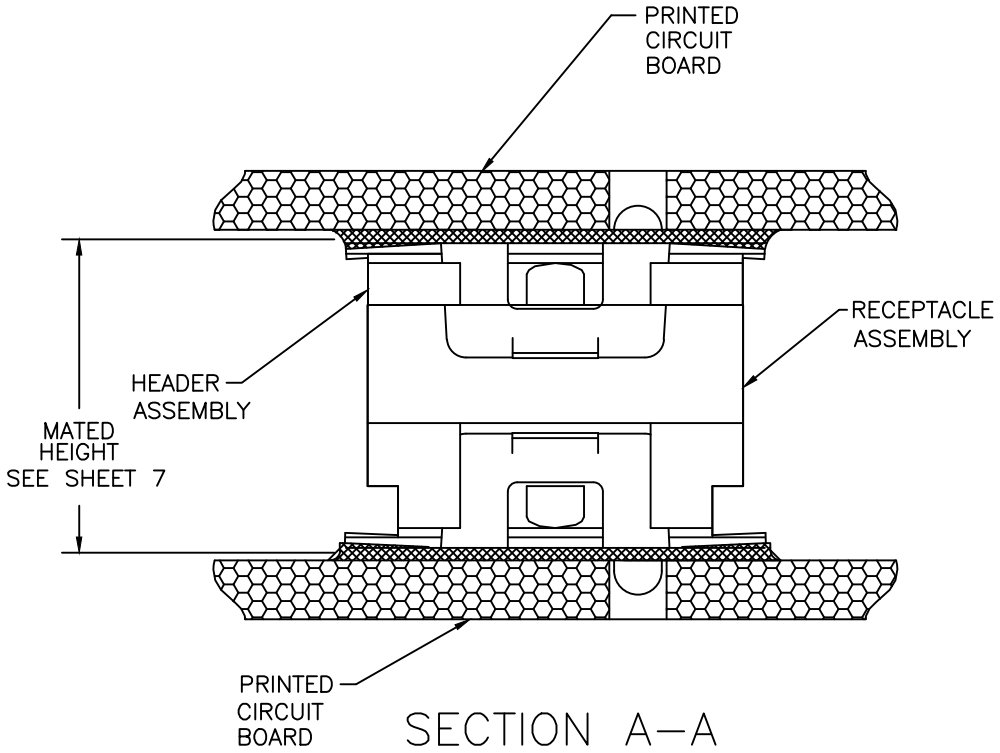
PRODUCT NUMBER
SEE TABLE





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
AG	ELX-N-14208	GM	03/07/13	angles	linear	.XX±.01/.X±0.3	INCH/MM	CONAN® CONNECTOR ASSEMBLY
–	–	–	–			.XXX±.005/.XX±0.13		
AB	M05-0110	MHT	05/26/05	0°±2°		.XXXX±.0020/.XXX±0.051	scale 5:1	
AC	M06-0232	AGS	06/12/06	dr	R.SEIPLE	11/13/91		dwg no 91900 sheet 1 of 7 size A3
AD	M06-0373	MHT	09/26/06	engr	D.HORCHLER	01/10/92		
AE	M08-0012	AGS	01/11/08	chr	D.HORCHLER	01/10/92		
AF	M08-0287	MHT	10/02/08	appd	D.HORCHLER	01/10/92		type Product Customer Drawing

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

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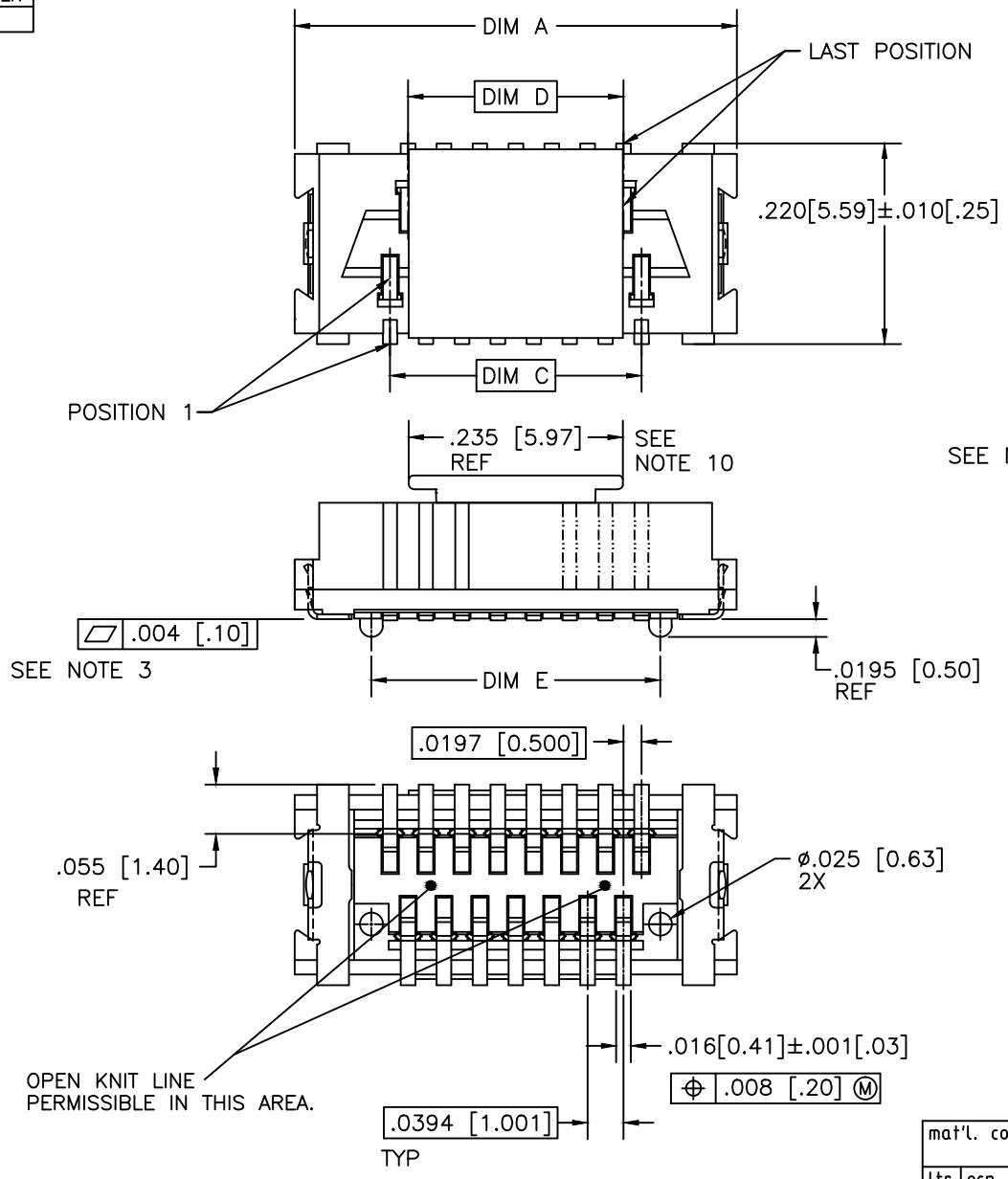
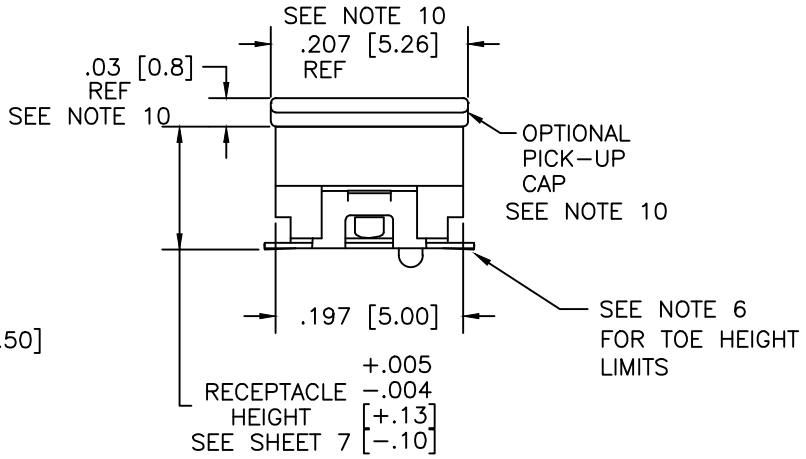
PDS: Rev :AG STATUS: Released Printed: Sep 13, 2013

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	
AG				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 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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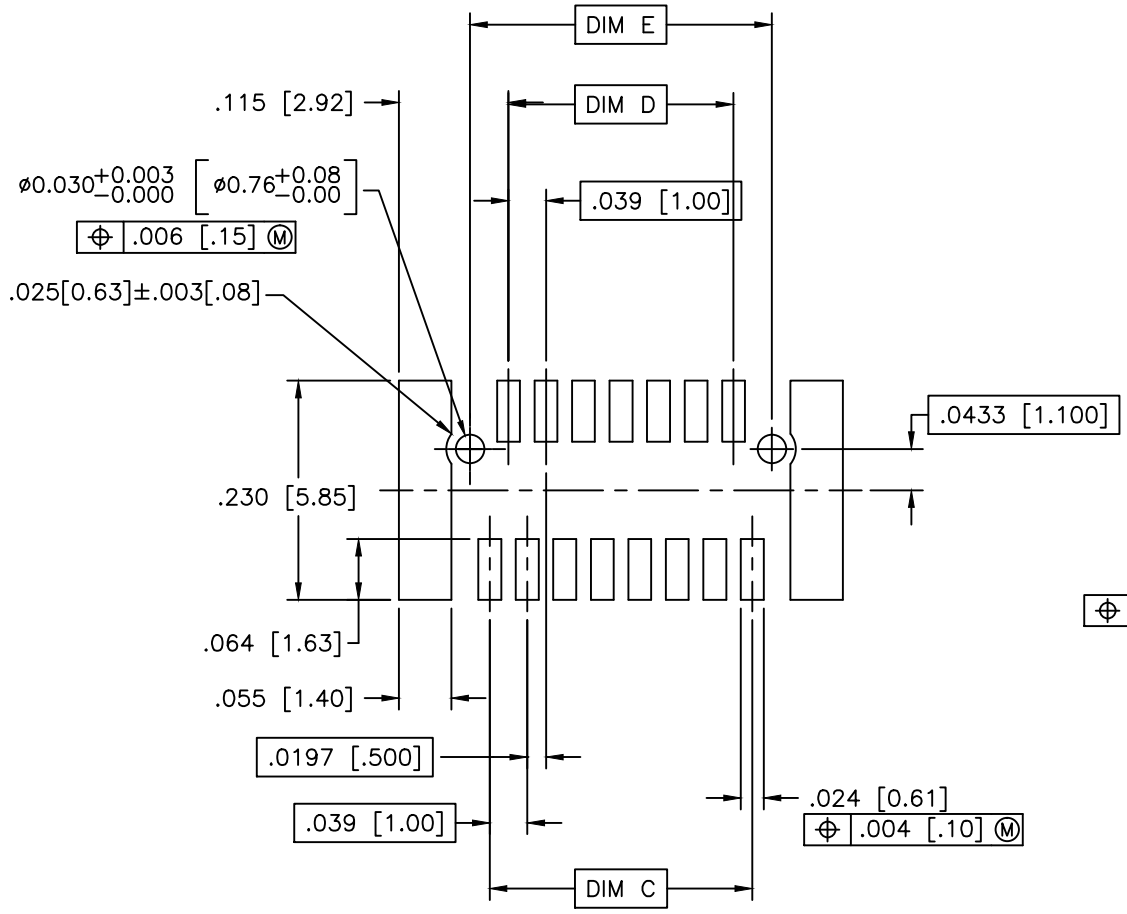
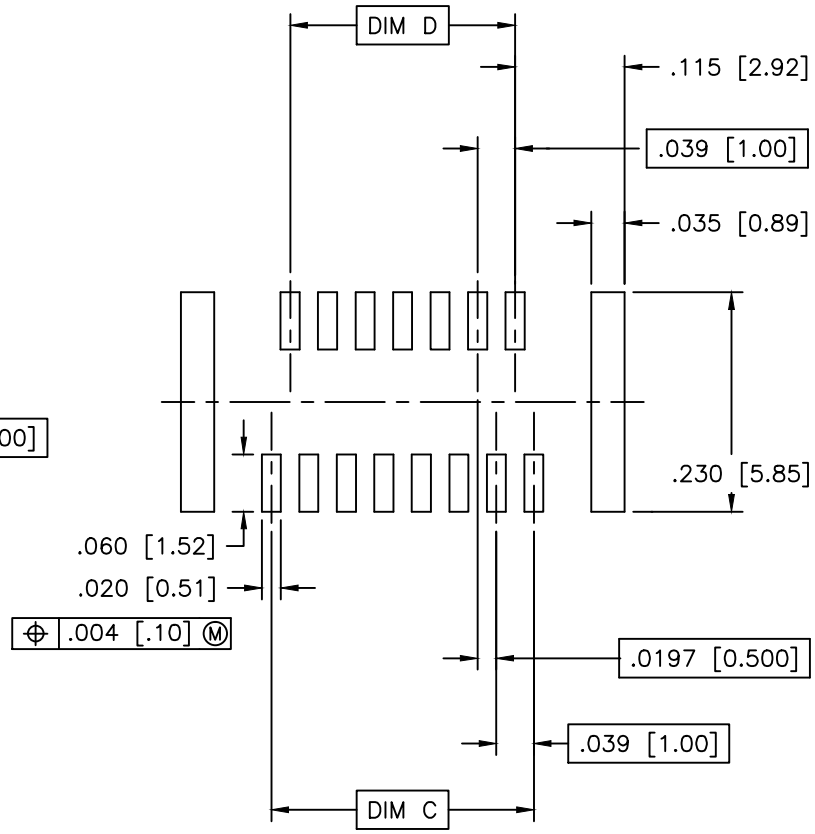
PDS: Rev :AG STATUS:Released Printed: Sep 13, 2013

PRODUCT NUMBER
SEE TABLE



RECOMMENDED
PAD LAYOUT



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						title	
AG				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 3 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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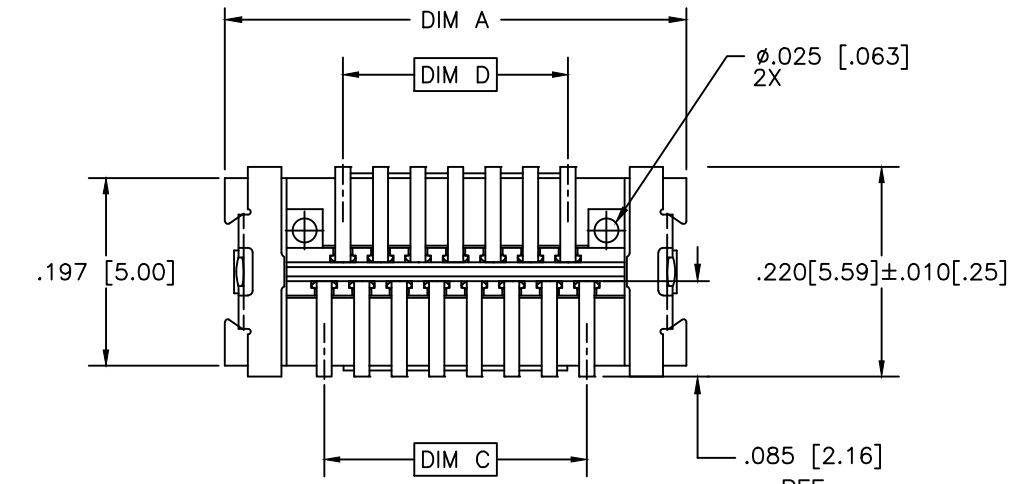
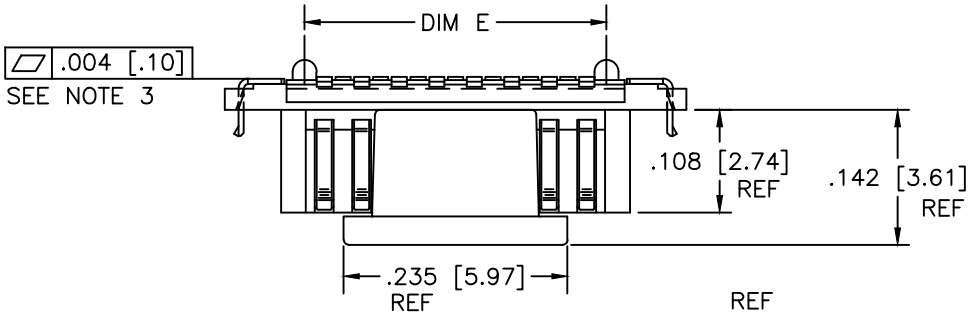
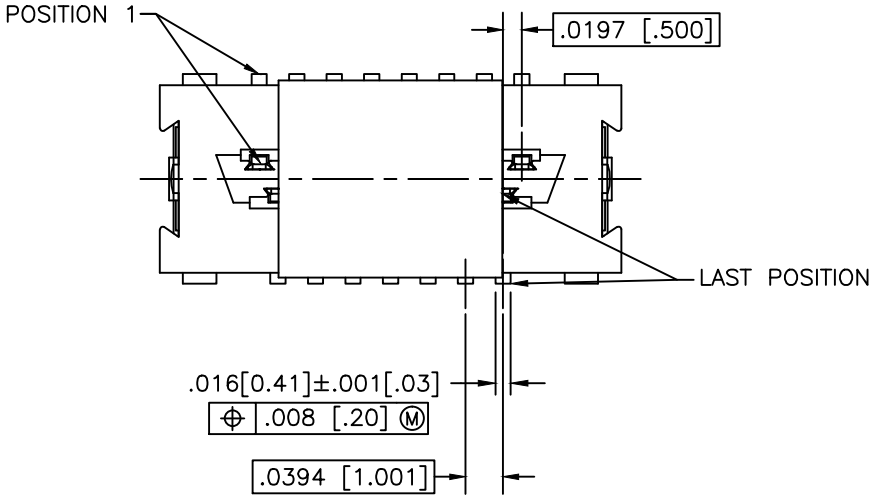
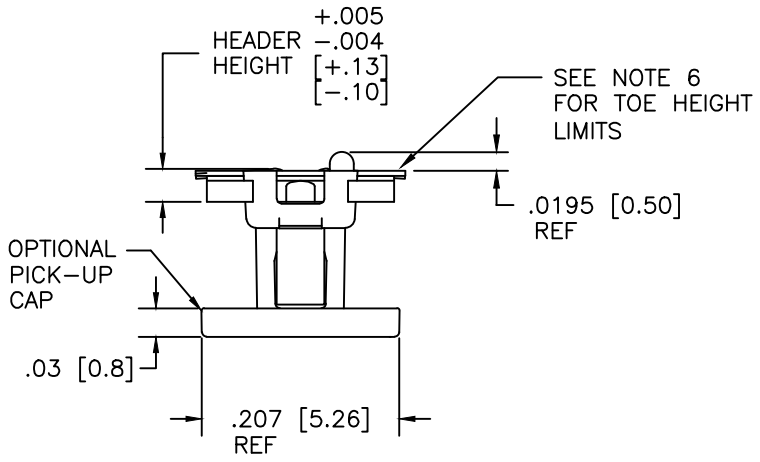
form: A3

PRODUCT NUMBER
SEE TABLE









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		
AG				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 4 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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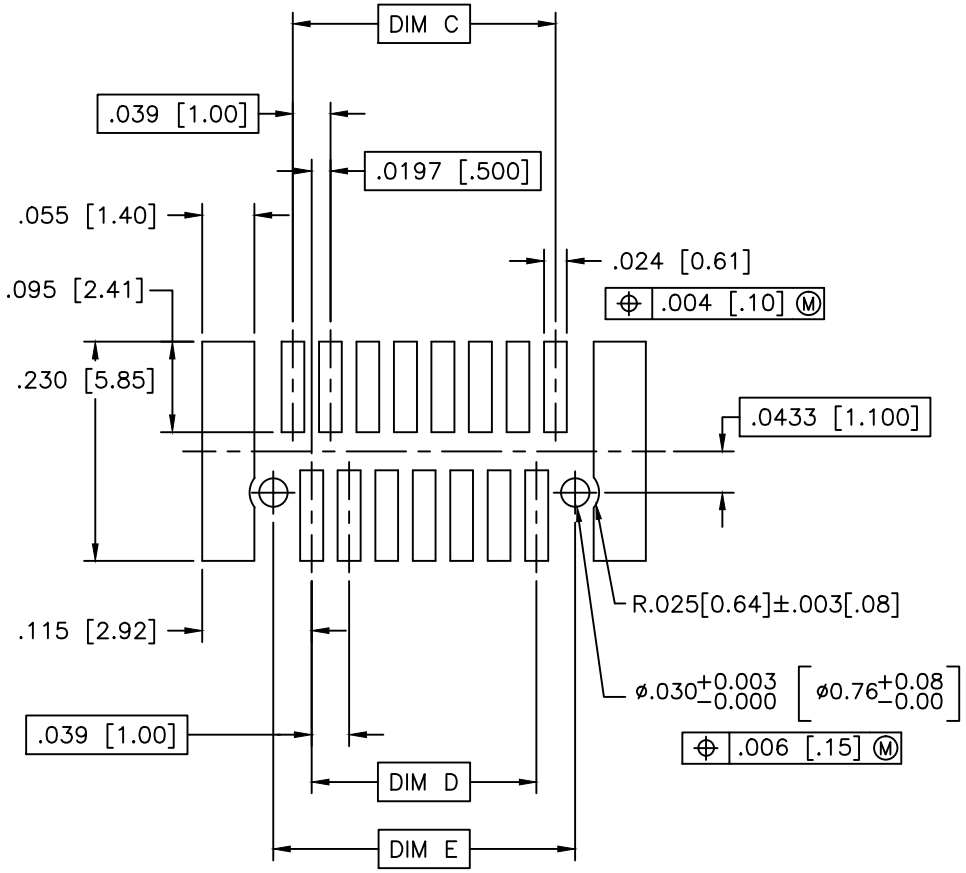
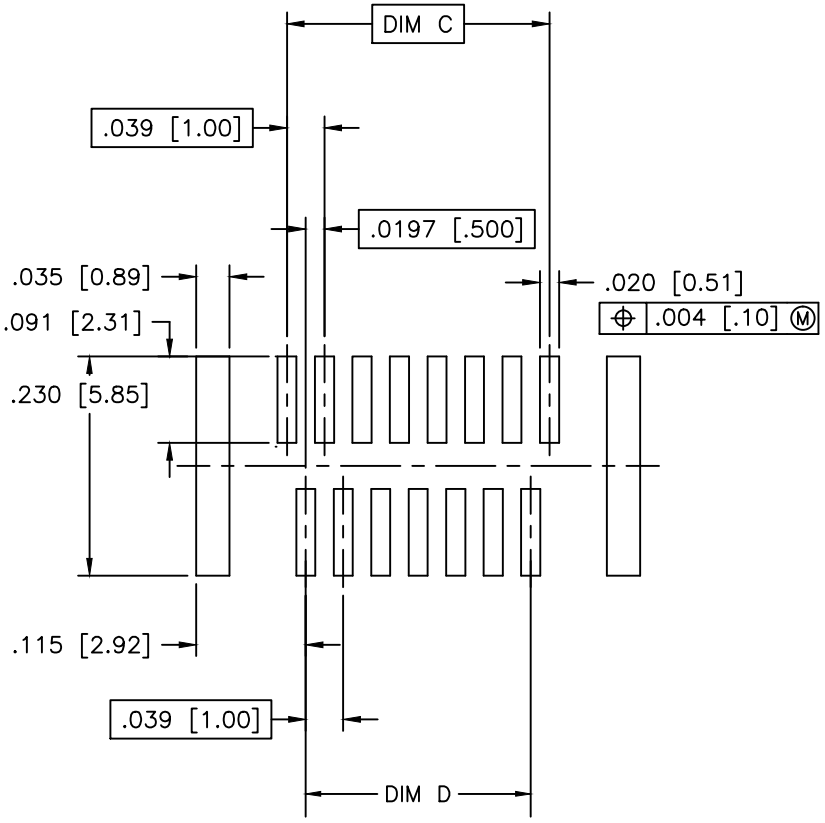
form: A3

PRODUCT NUMBER
SEE TABLE



RECOMMENDED
PAD LAYOUT



RECOMMENDED
STENCIL LAYOUT
FOR HEADER

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
AG				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 5 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	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

13. PRODUCT WITH "LF" AT THE END MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

ltr	ecn no	dr	date
AG			

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

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

sheet index | revision sheet

product family: CONAN®

title: CONAN® CONNECTOR ASSEMBLY

dwg no: 91900

sheet 6 of 7

size: A3

type: Product Customer Drawing

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form: A3

PRODUCT NUMBER
SEE TABLE

CONAN® ASSEMBLY PART NUMBER

LEAD FREE OPTION
SEE NOTE 12

919 T C – W X Y ZZ LF

TYPE	T
HEADER WITH NO PEGS	0
HEADER WITH PEGS	1
RECEPTACLE WITH NO PEGS	2
RECEPTACLE WITH PEGS	3

	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

PICK AND PLACE CAP OR TAPE (NOTE 4)	C
WITHOUT CAP OR TAPE	0
WITH CAP	1
WITH TAPE (RECEPTACLE ONLY)	2

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

PACKAGING	W	
TUBE	2	
PRESSURE SEALED TAPE & REEL	3	NOTE 4

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
AG				angles 0°±2°	linear .XX±.01/.X±0.3 / .XXX±.005/.XX±0.13 / .XXXX±.0020/.XXX±0.051	INCH/MM	CONAN® CONNECTOR ASSEMBLY
						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		type Product Customer Drawing
				appd D.HORCHLER	01/10/92		
sheet index	revision sheet						

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