



Amphenol
FCi

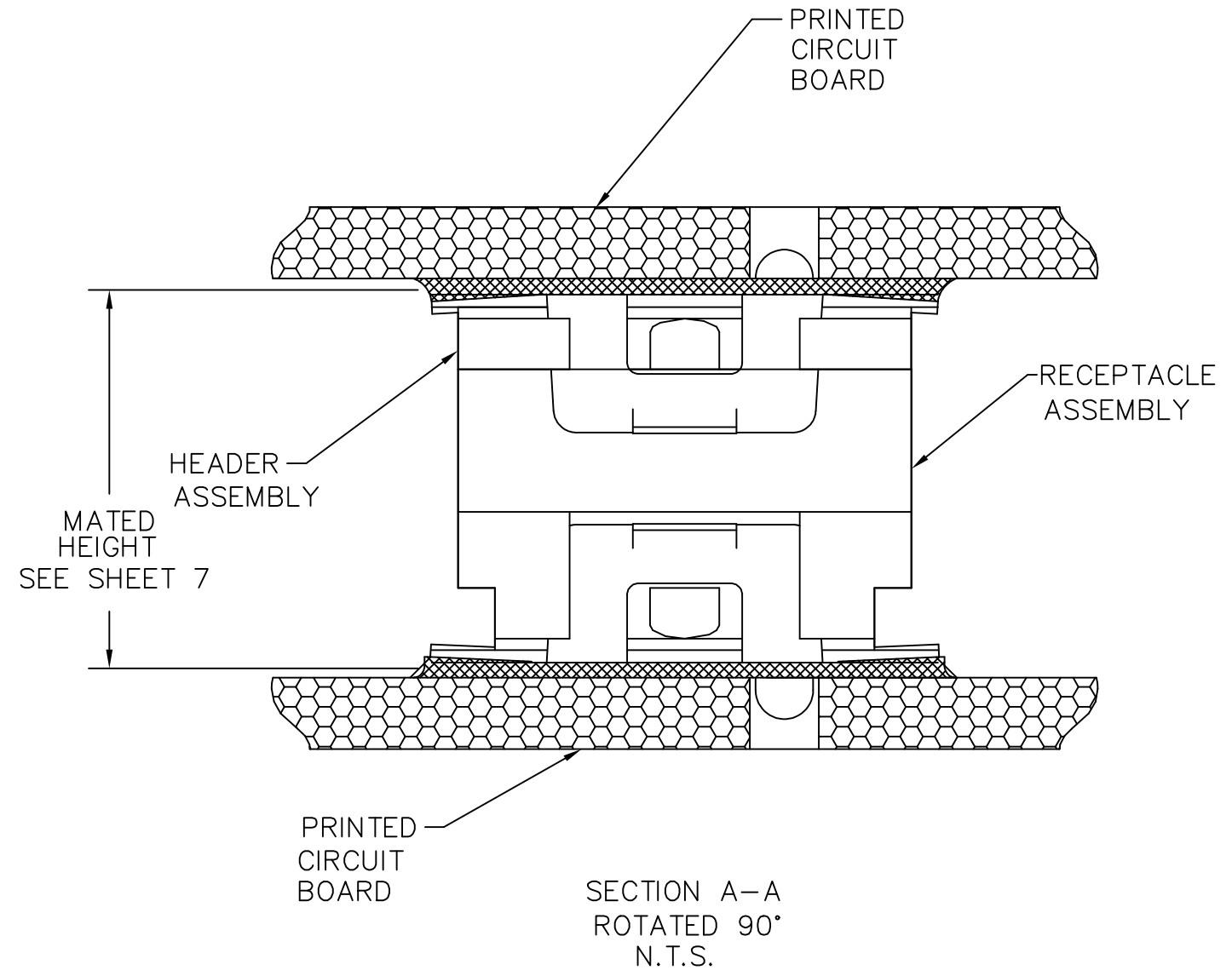
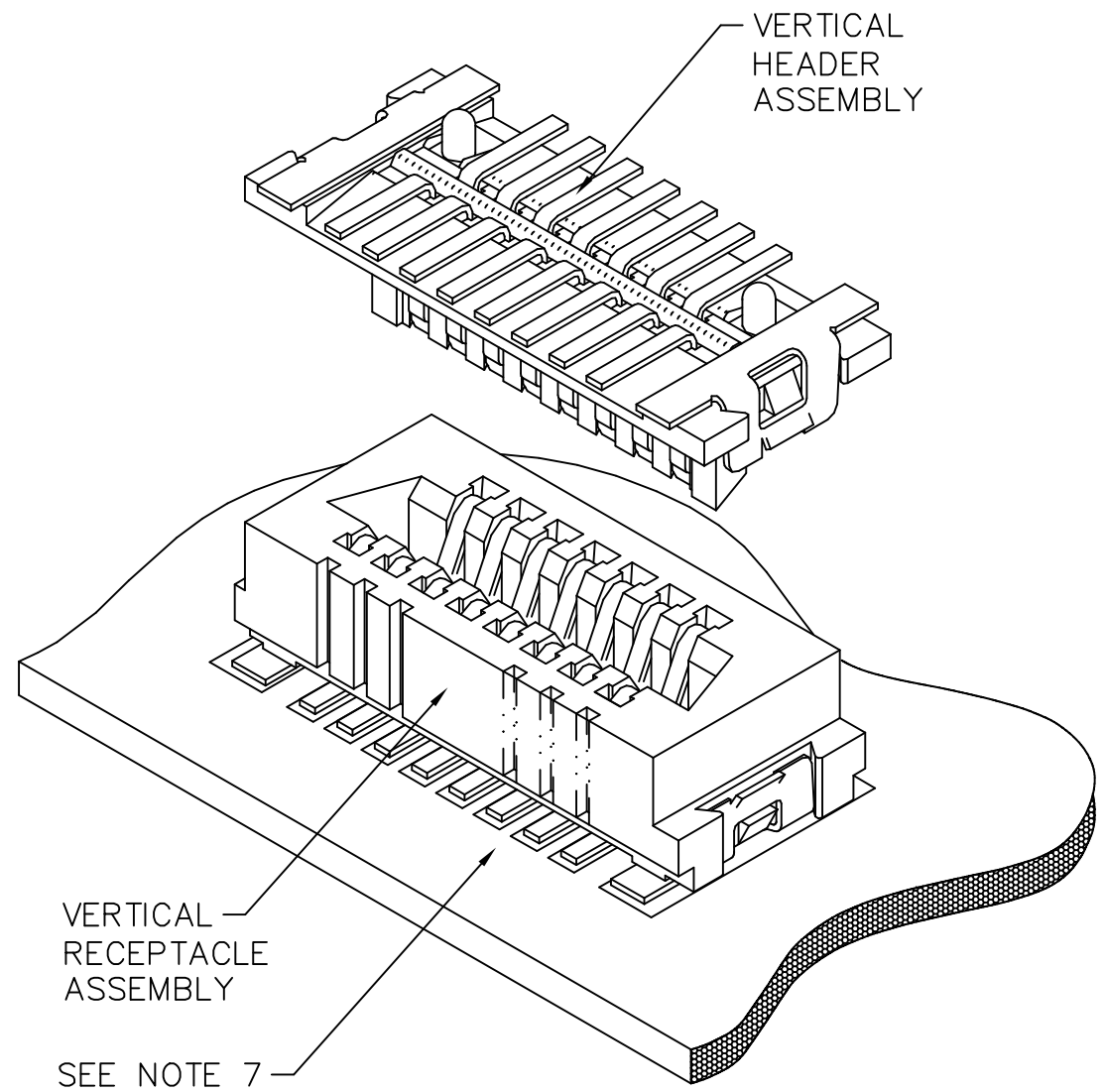
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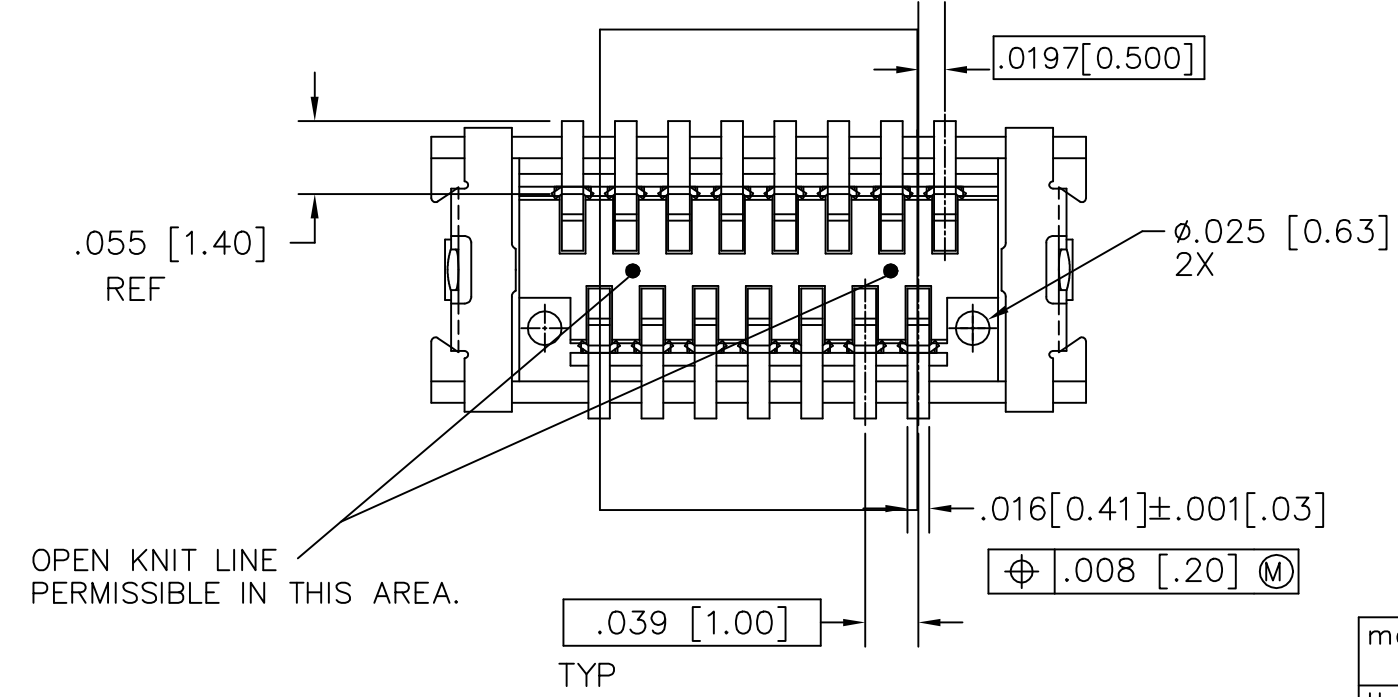
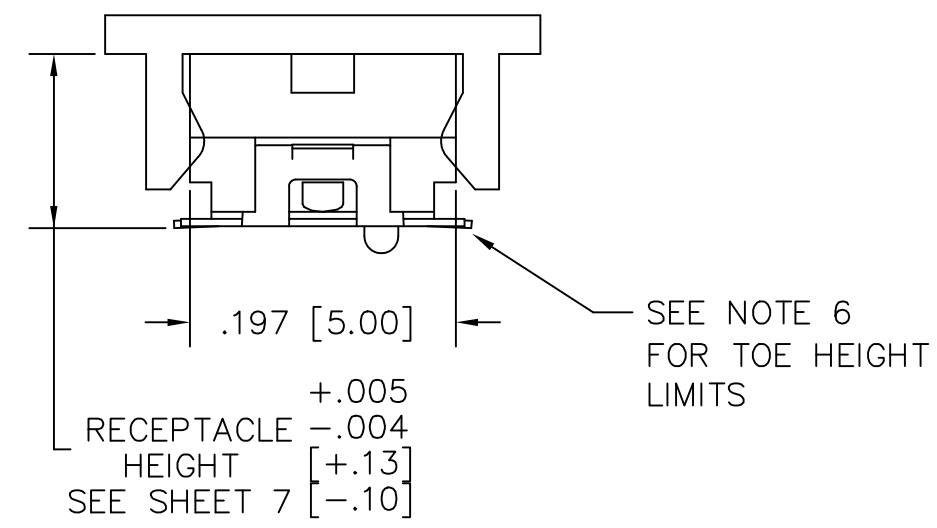
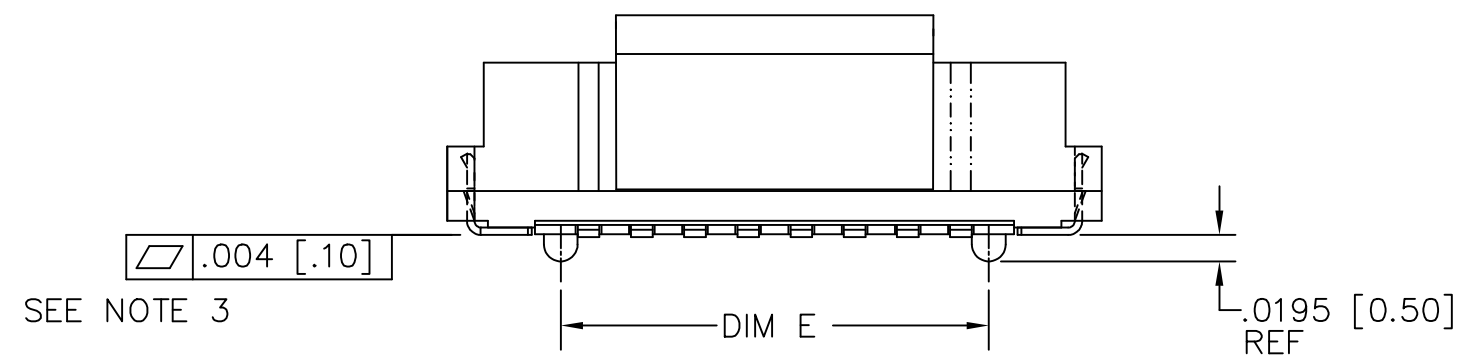
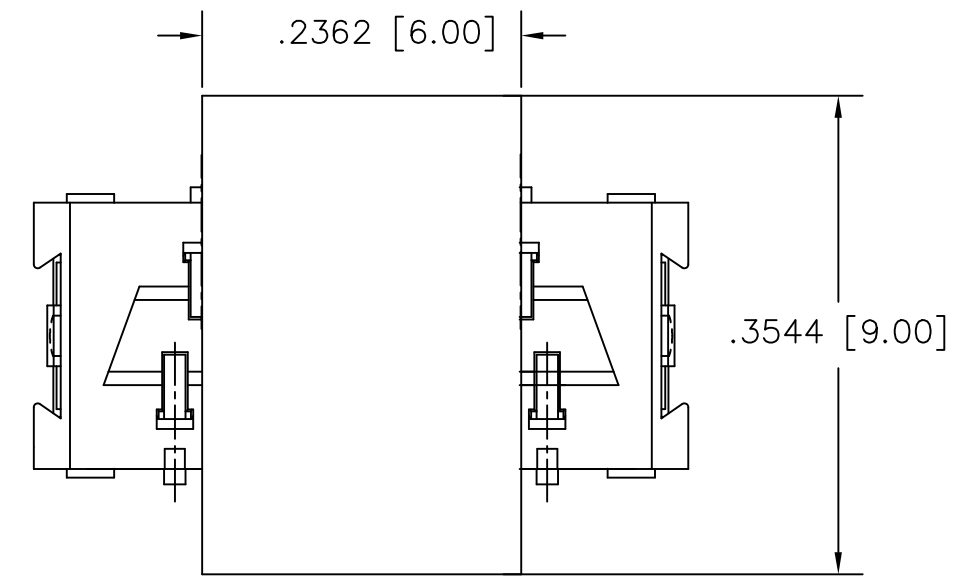
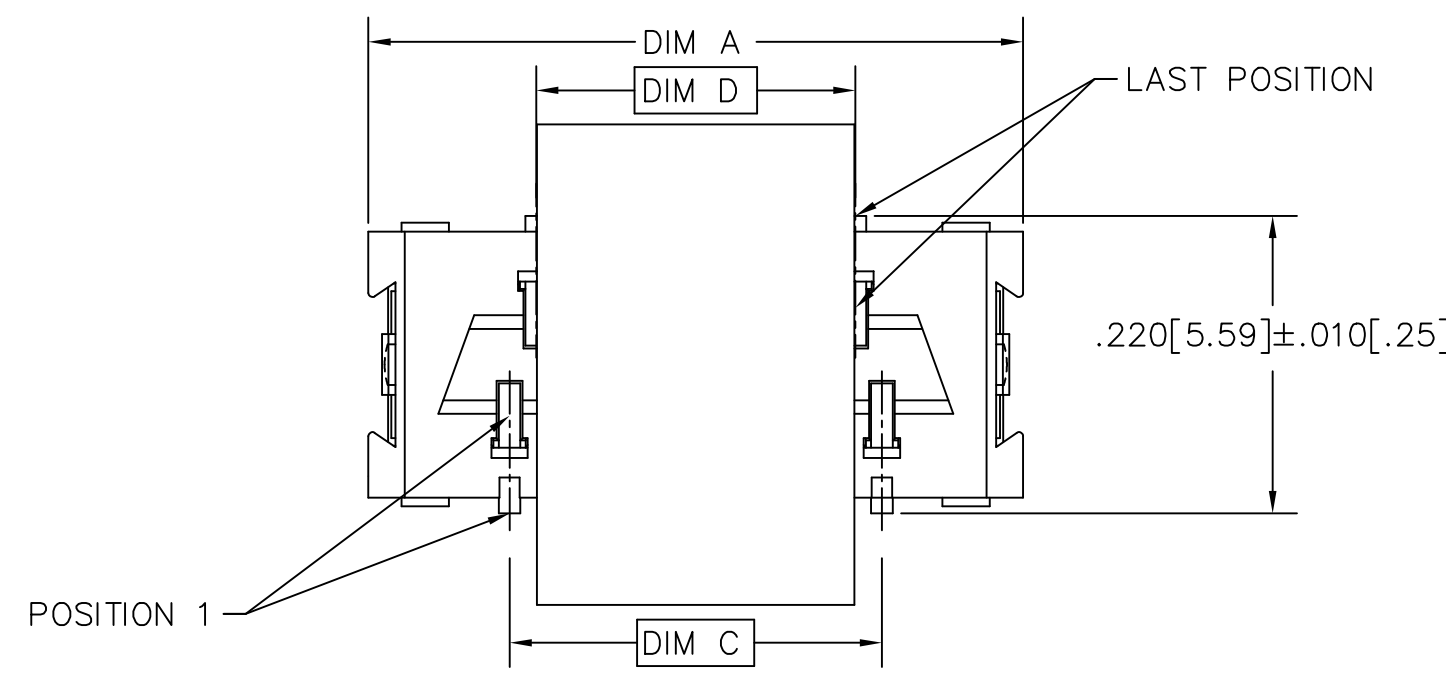
mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 1101	product family CONAN®			
ltr	ecn no	dr	date	tolerances unless otherwise specified	angles	linear	title CONAN® CONNECTOR ASSEMBLY			
AP	ELX-N-48730	Alan	2023-07-12				INCH/MM			
AR	ELX-N-51410	Alan	2024-05-06							
AS	ELX-N-58482	Alan	2025-12-08	0°±x°			scale 1:1	dwg no		
AK	ELX-N-26578	TONY	2017-04-07	dr	Eric Huang	2015-10-11	Amphenol FCi			sheet 1 of 7
AL	ELX-N-26810	TONY	2017-04-26	engr	Alan Ni	2025-12-08				size A3
AM	ELX-N-35652	Bob	2019-12-17	chr	LQ Lei	2025-12-08	91900			
AN	ELX-N-37277	Bob	2020-06-04	appd	Tim Yao	2025-12-08				
sheet index	revision	AS					type Product Customer Drawing			
	sheet	6								



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mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 1101	product family CONAN®									
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM scale 1:1	title CONAN® CONNECTOR ASSEMBLY									
AS				angles	linear		dwg no 91900									
				0°±x°												
				dr	Eric Huang	2019-12-17	type Product Customer Drawing									
				engr	Alan Ni	2025-12-08										
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sheet index	revision sheet															

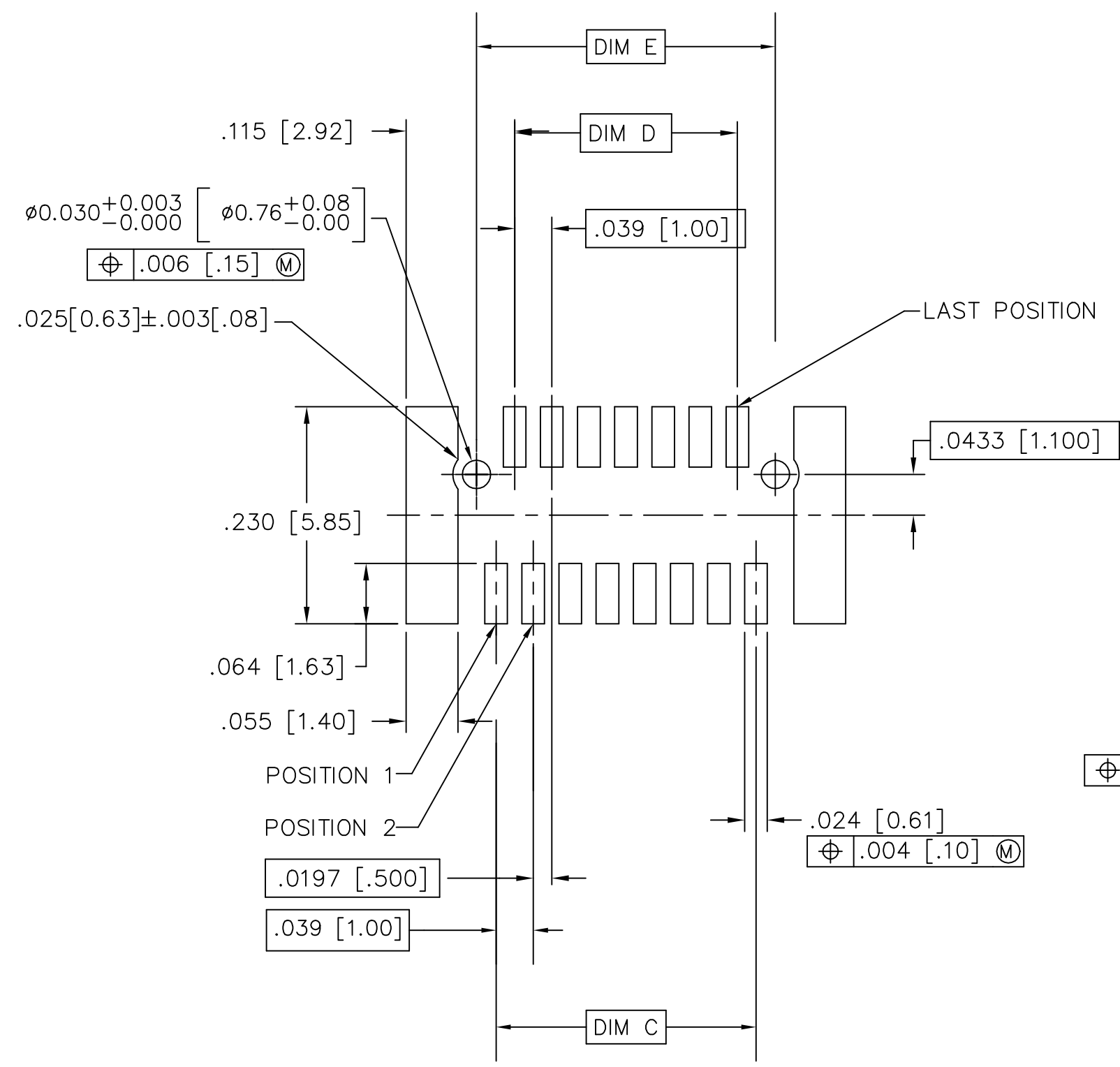




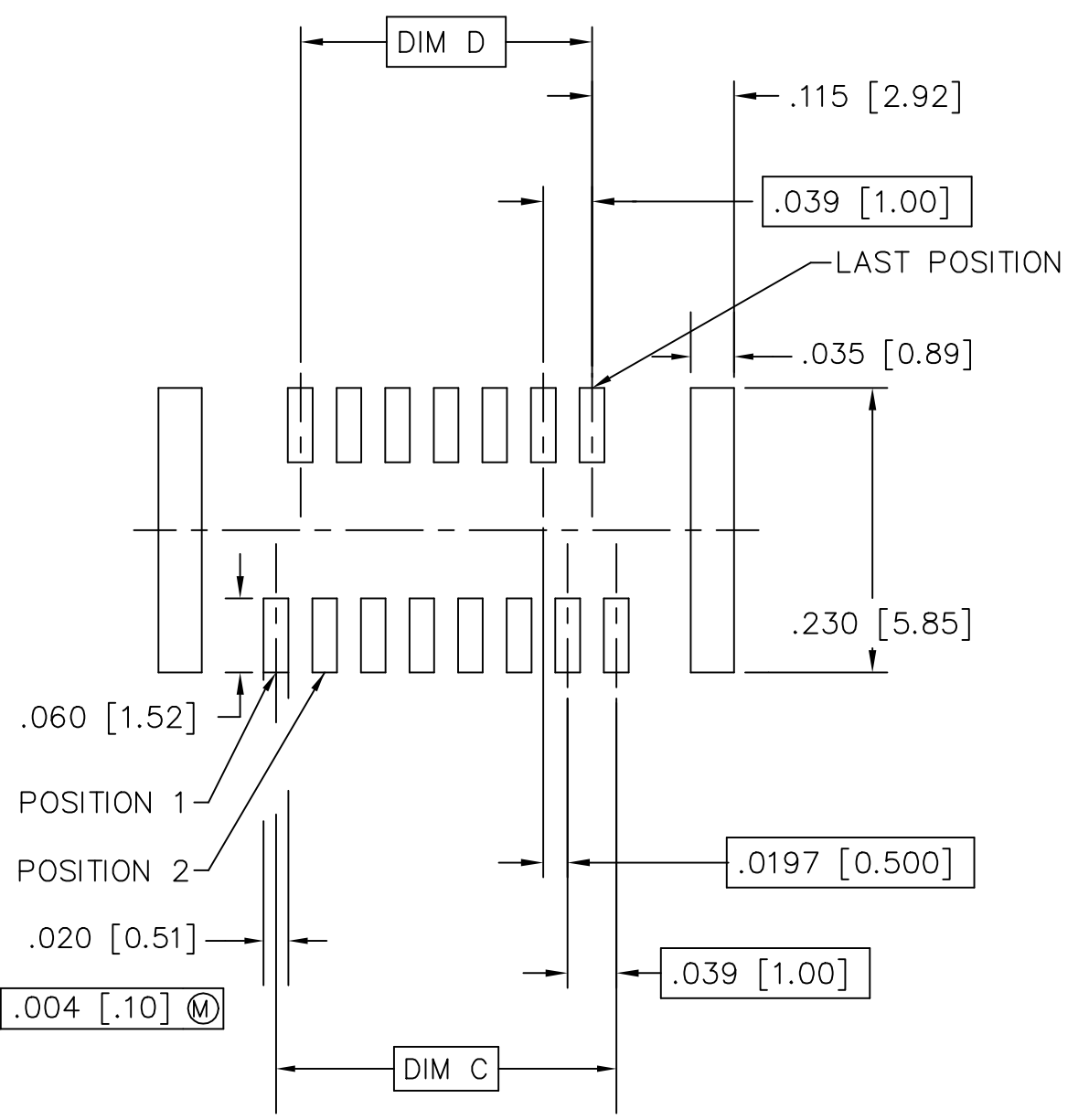
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RECOMMENDED
PAD LAYOUT



RECOMMENDED
STENCIL LAYOUT
FOR RECEPTACLE

mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 1101	product family CONAN®			
ltr	ecn no	dr	date	tolerances unless otherwise specified			title			
AS				angles	.0±.30	INCH/MM	CONAN® CONNECTOR ASSEMBLY			
				linear	.00±.20					
				0°±x°	.000±.10	scale 1:1				
				dr	Eric Huang	2019-12-17	dwg no		sheet 3 of 7	size
				engr	Alan Ni	2025-12-08	91900			A3
				chr	LQ Lei	2025-12-08				
				appd	Tim Yao	2025-12-08	type Product Customer Drawing			
sheet index	revision sheet									

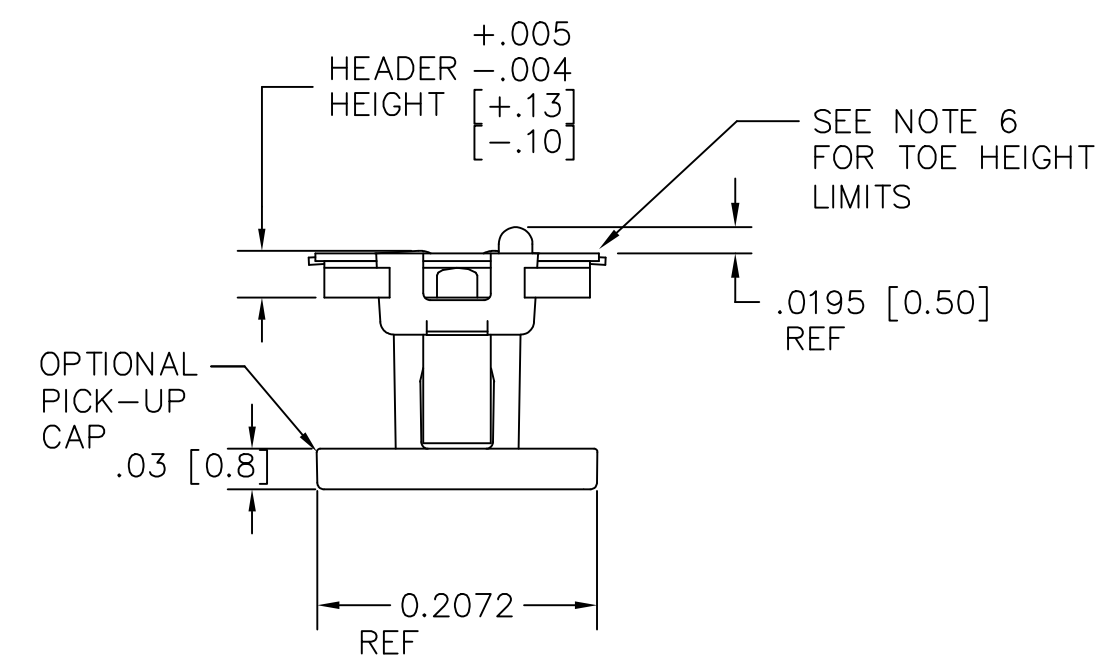
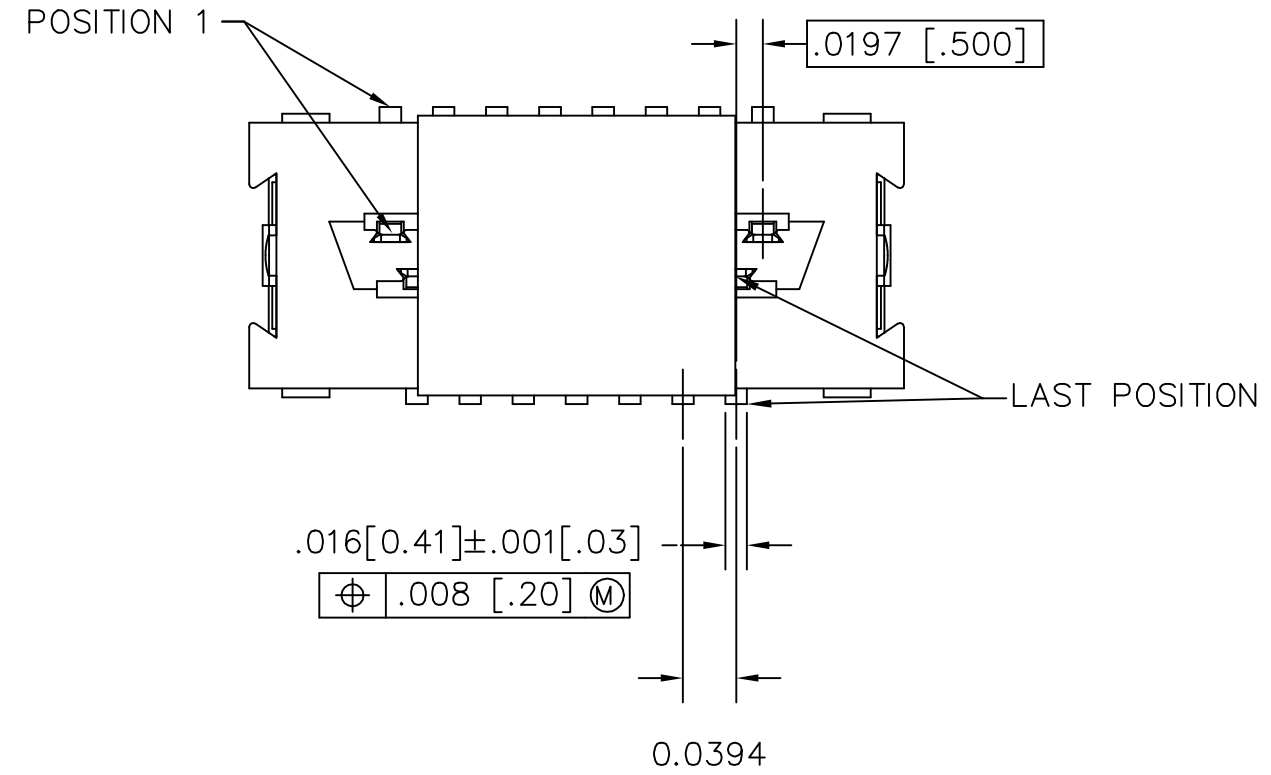
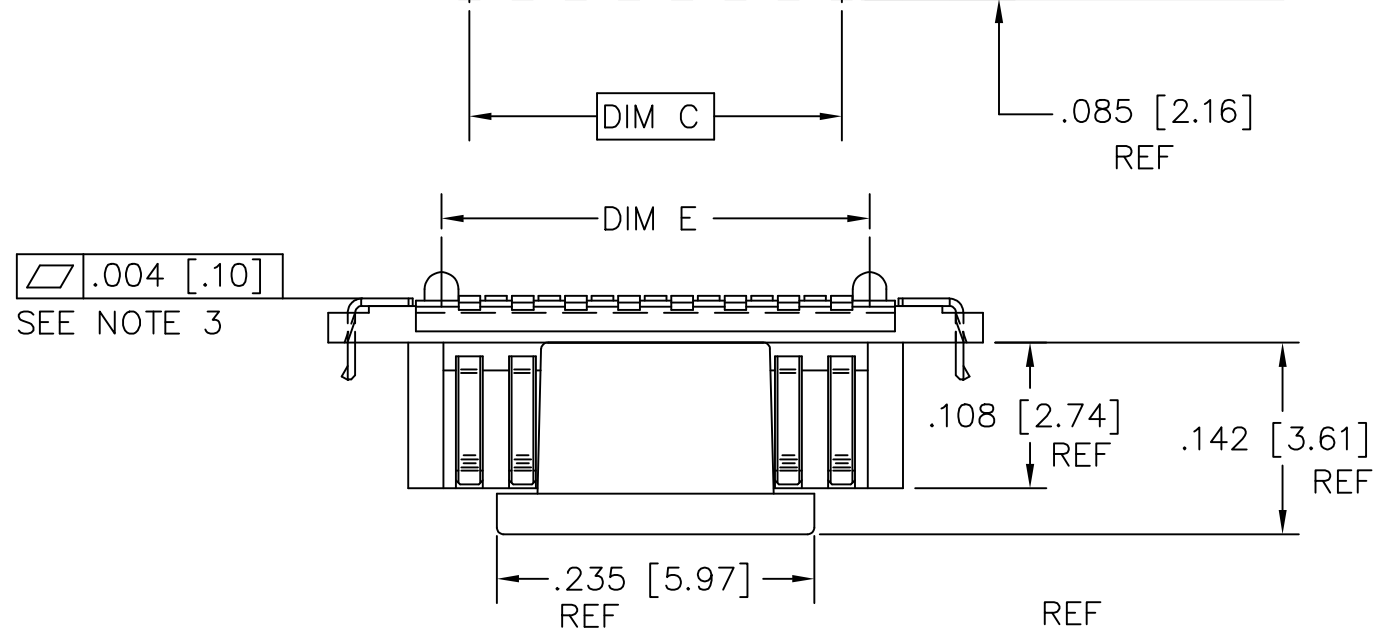
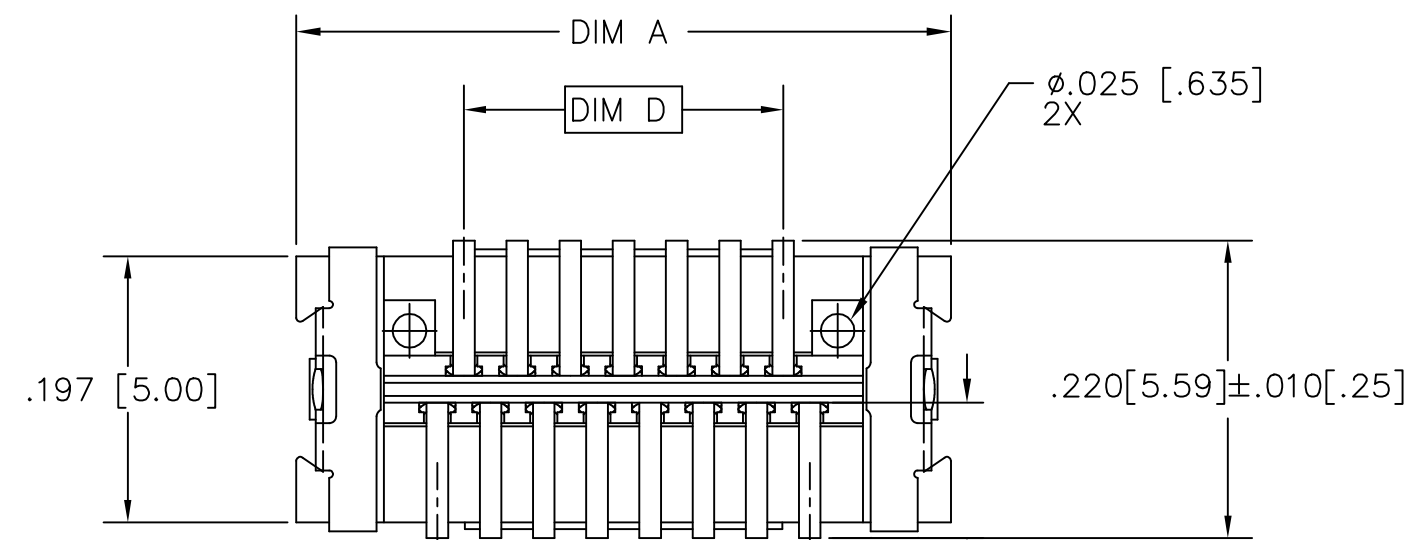




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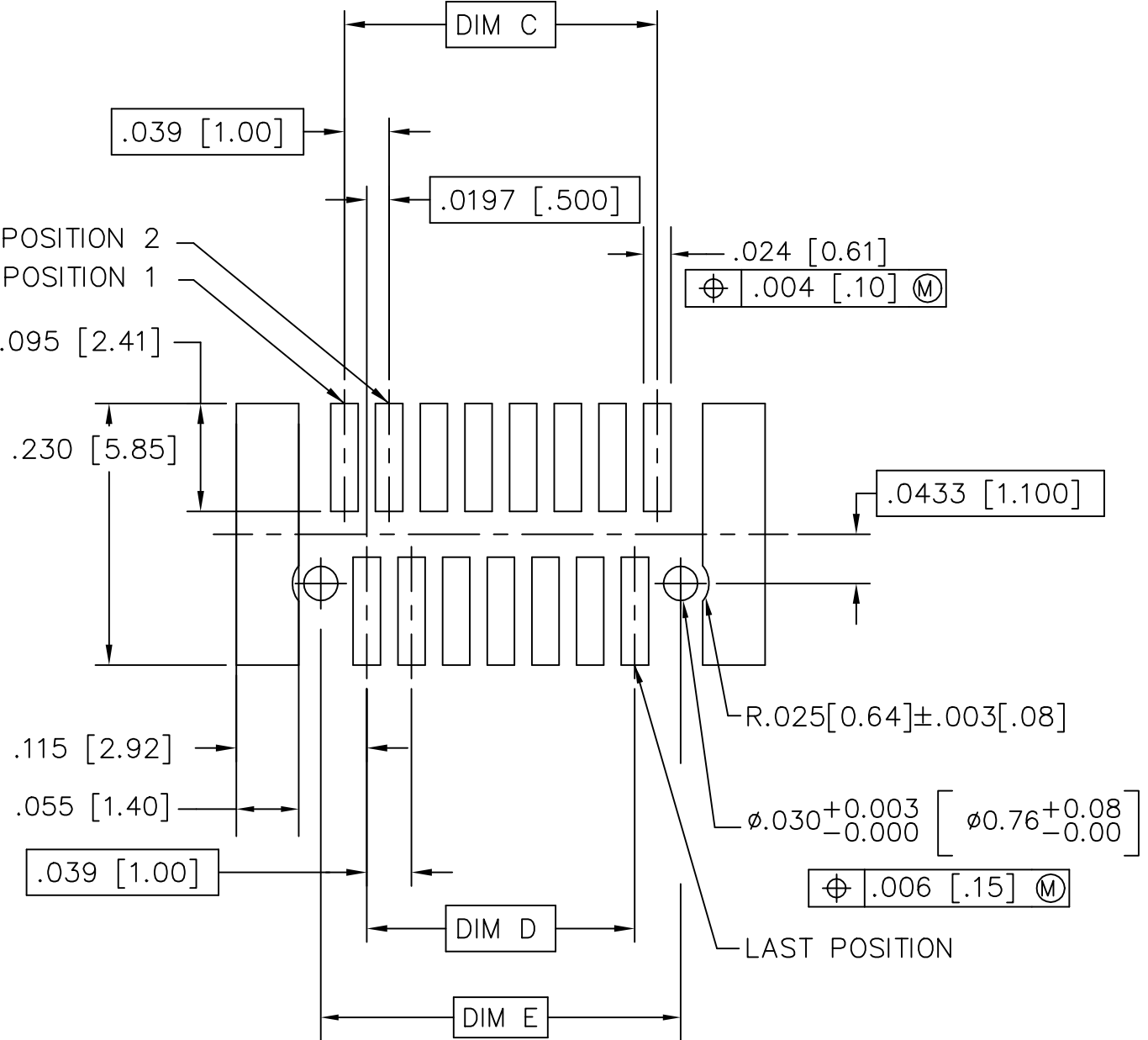
mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 1101	product family CONAN®									
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM	title CONAN® CONNECTOR ASSEMBLY									
AS				angles	.0±.30		dwg no 91900									
				linear	.00±.20											
				0°±x°	.000±.10	scale 1:1	sheet 4 of 7 size A3									
				dr	Eric Huang	2019-12-17	Amphenol FCi									
				engr	Alan Ni	2025-12-08										
				chr	LQ Lei	2025-12-08										
				appd	Tim Yao	2025-12-08	type Product Customer Drawing									
sheet index	revision sheet															



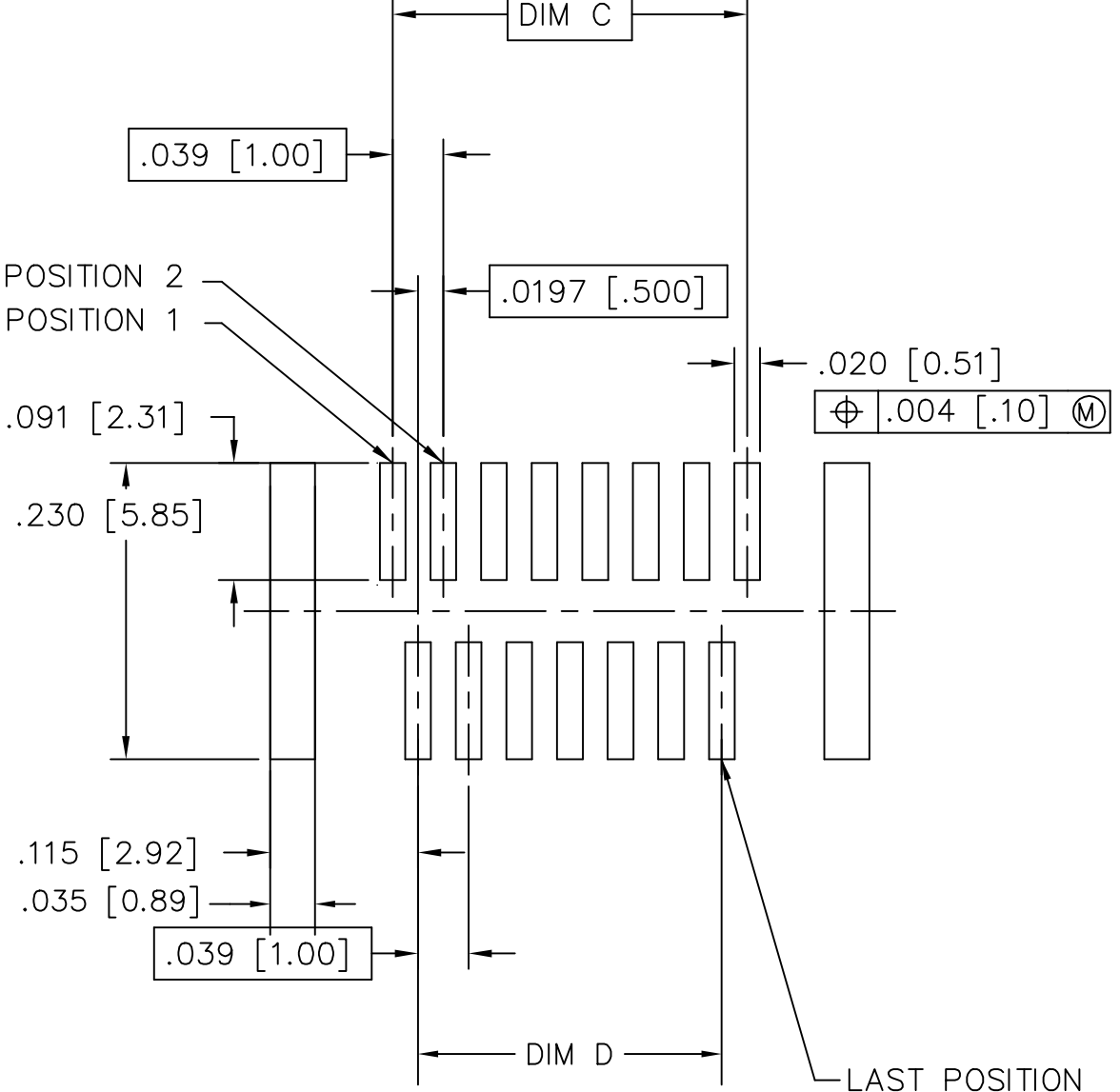
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PRODUCT NUMBER
SEE TABLE



RECOMMENDED
PAD LAYOUT



RECOMMENDED
STENCIL LAYOUT
FOR HEADER

mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 1101	product family CONAN®											
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM ↔	title CONAN® CONNECTOR ASSEMBLY											
AS				angles	linear													
				0°±x°														
				dr	Eric Huang	2019-12-17	Amphenol FCi											
				engr	Alan Ni	2025-12-08												
				chr	LQ Lei	2025-12-08												
				appd	Tim Yao	2025-12-08												
sheet index	revision sheet																	



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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:

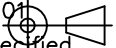
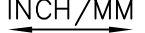
- MATERIALS:
RECEPTACLE HOUSING – LCP, UL-94V-0. MSL LEVEL 1, COLOR: NATURAL.
RECEPTACLE TERMINALS – COPPER ALLOY,
UNDER PLATING: 50u"/1.27µm MIN NICKEL UNDER PLATING
CONTACT AREA: ACCORDING TO PART NUMBER
SOLDER TAIL: 100u"/2.54µm MIN MATTE TIN.
HEADER HOUSING – LCP, UL-94V-0. MSL LEVEL 1, COLOR: NATURAL.
HEADER TERMINALS – COPPER ALLOY,
UNDER PLATING: 50u"/1.27µm MIN NICKEL UNDER PLATING
CONTACT AREA: ACCORDING TO PART NUMBER
SOLDER TAIL: 100u"/2.54µm MIN MATTE TIN.
RETENTION DEVICE – BRASS,
PLATED WITH 100u"/2.54µm MIN MATTE TIN OVER 50u"/1.27µm MIN NICKEL UNDER PLATING.
- REFERENCE GS-12-006 FOR PRODUCT PERFORMANCE DATA.
- SEE TA-774 FOR FURTHER DESCRIPTION OF HOW THIS DIMENSION IS APPLIED.
- 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.
- RECOMMENDED SOLDER PASTE THICKNESS IS .006 TO .008 INCHES THICK.
- 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.
- THREE SLOTS MAY BE LOCATED AT EITHER END OF HOUSING.
- 5.50mm MATED HEIGHT IS ONLY AVAILABLE IN 9, 15 AND 31 POS.
- 7.50mm MATED HEIGHT IS ONLY AVAILABLE IN 9 POS.
- APPLIES TO 91921-3XYZZ AND 91931- 3XYZZ OPTIONS ONLY.
- 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
- PRODUCT WITH "F" AT THE END MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

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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 CONAN® CONNECTOR ASSEMBLY										
AS				angles		linear														
				0°±x'				scale 1:1												
				dr	Eric Huang		2015-10-11				dwg no				sheet6 of 7				size	
				engr	Alan Ni		2025-12-08				91900				A3					
				chr	LQ Lei		2025-12-08													
				appd	Tim Yao		2025-12-08													
sheet index		revision sheet																		



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CONAN® ASSEMBLY PART NUMBER

919 T C - W X Y ZZ L F

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 $\begin{matrix} +.010 \\ -.008 \\ [+ .25] \\ [- .20] \end{matrix}$
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"/.38μm GXT™
2	30u"/.76μm GXT™
3	Au 30u"/.76μm

L	MANDATORY CODE
L	STANDARD, NOT MANDATORY P/N
A	ONLY FOR DEDICATED CUSTOMER

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 1101	product family CONAN®											
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM	title CONAN® CONNECTOR ASSEMBLY											
AS				angles	linear	.0±.30 .00±.20 .000±.10	Amphenol FCI											
				0°±x°														
				dr	Eric Huang	2015-10-11												
				engr	Alan Ni	2025-12-08												
				chr	LQ Lei	2025-12-08												
				appd	Tim Yao	2025-12-08	type Product Customer Drawing											
sheet index	revision sheet																	

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