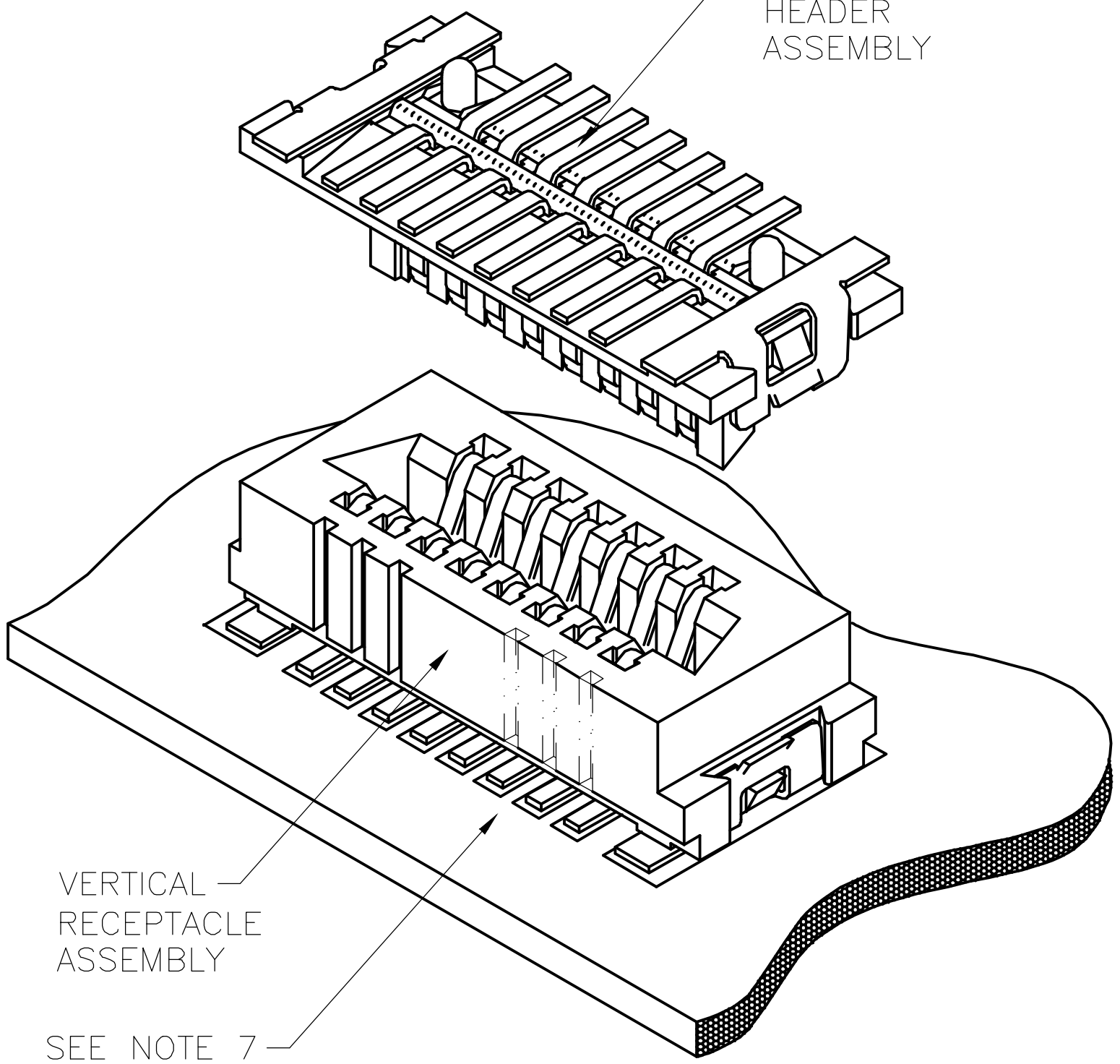
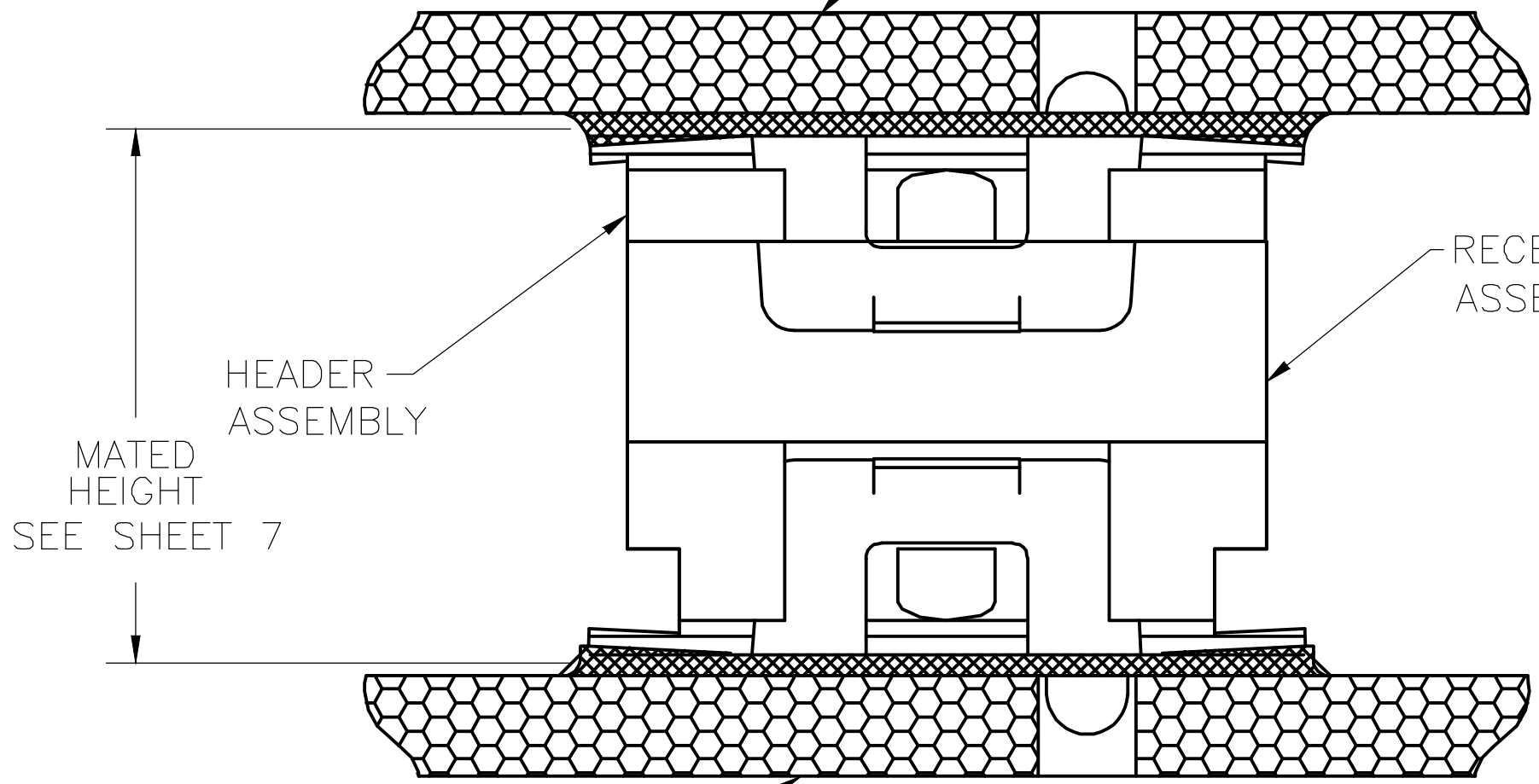
PRODUCT NUMBER
SEE TABLE





SECTION A—A
ROTATED 90°
N.T.S.

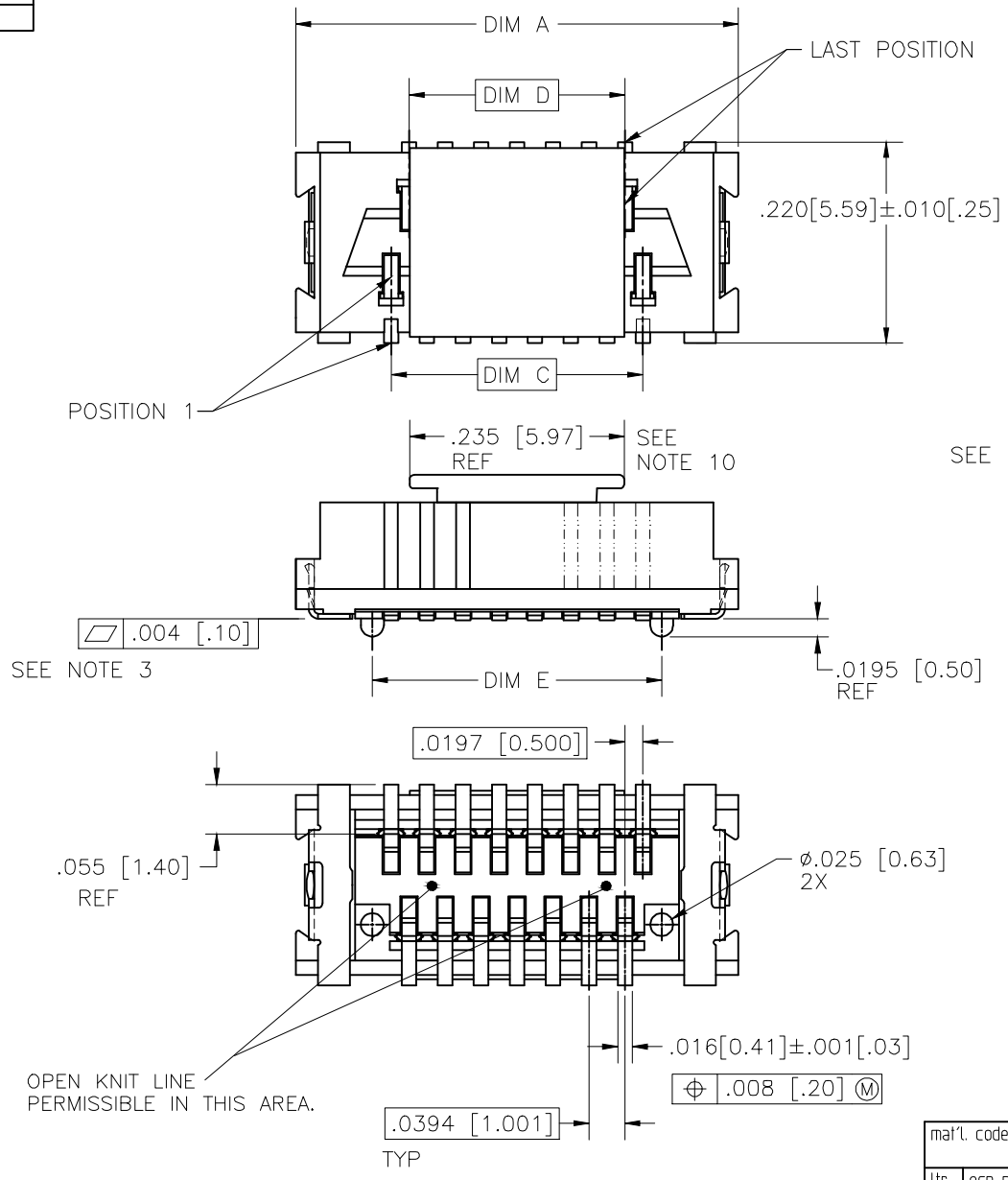
mat'l. code				surface ISO 1302 √		tolerance ISO 406 ISO 1101	projection	product family CONAN®		
ltr	ecn no	dr	date	tolerances unless otherwise specified				title CONAN® LEADED CONNECTOR		
A	M08-0040	AGS	01/31/08	angles	linear	.XX±.01/0.3	INCH/MM			
B	**ELX-N-14211**	**GM**	**03/07/13**			.XXX±.005/0.13				
				0°±2°		.XXXX±.0020/0.051	scale 5:1			
				dr	A. GARCIA	01/31/08		dwg no 10086244	sheet 1 of 7	size A3
				engr	C.MARTINEZ	01/31/08				
				chr	C.MARTINEZ	01/31/08				
				appd	C.MARTINEZ	01/31/08		type Product Customer Drawing		

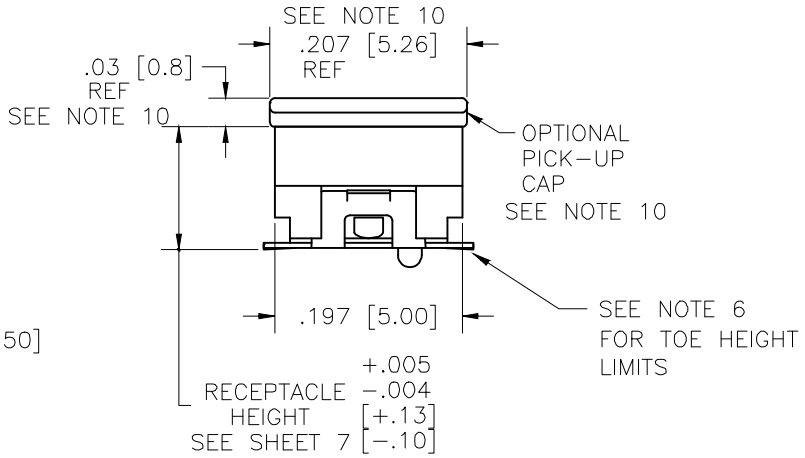
sheet index	revision	B	B	B	B	B	B	B
	sheet	1	2	3	4	5	6	7

Copyright FCI
FCIconnect.com
form: A3
Downloaded from Arrow.com.

PDS: Rev :B STATUS:Released Printed: Mar 08, 2013

PRODUCT NUMBER
SEE TABLE

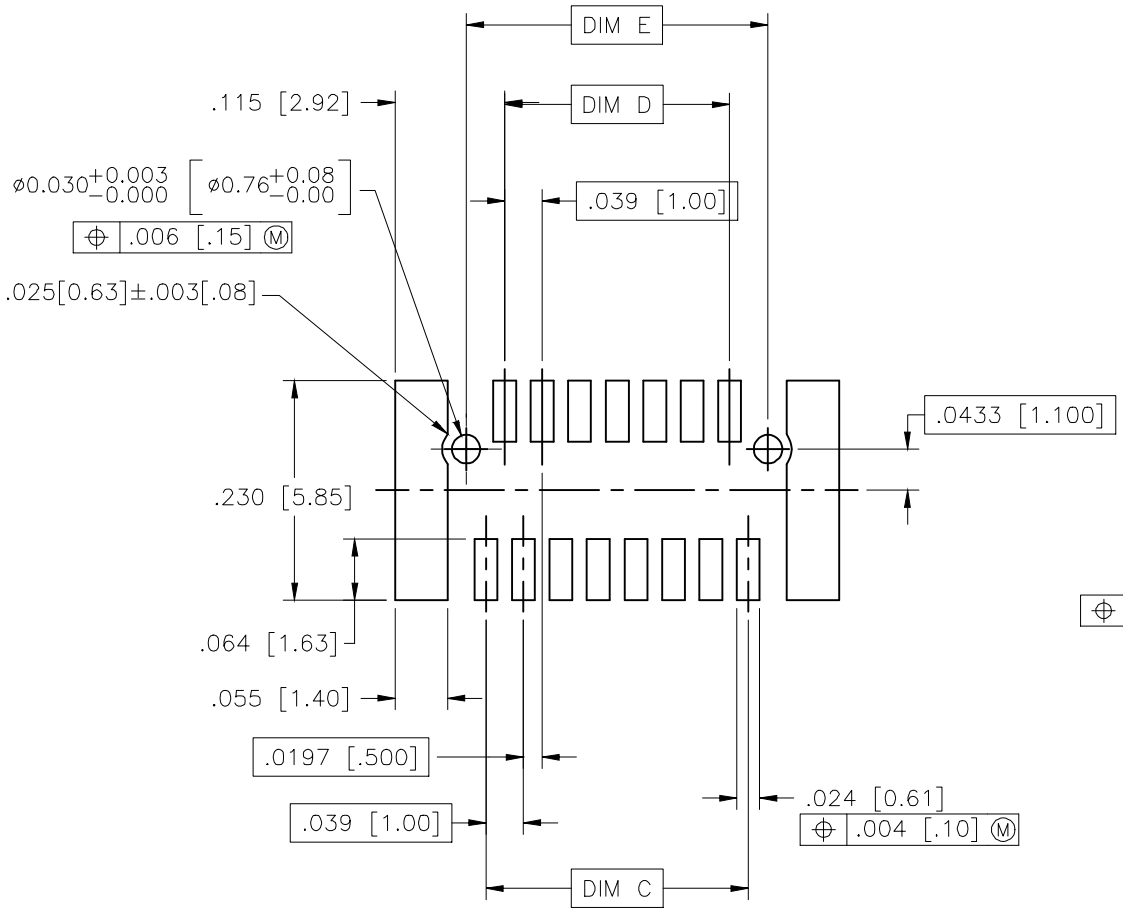




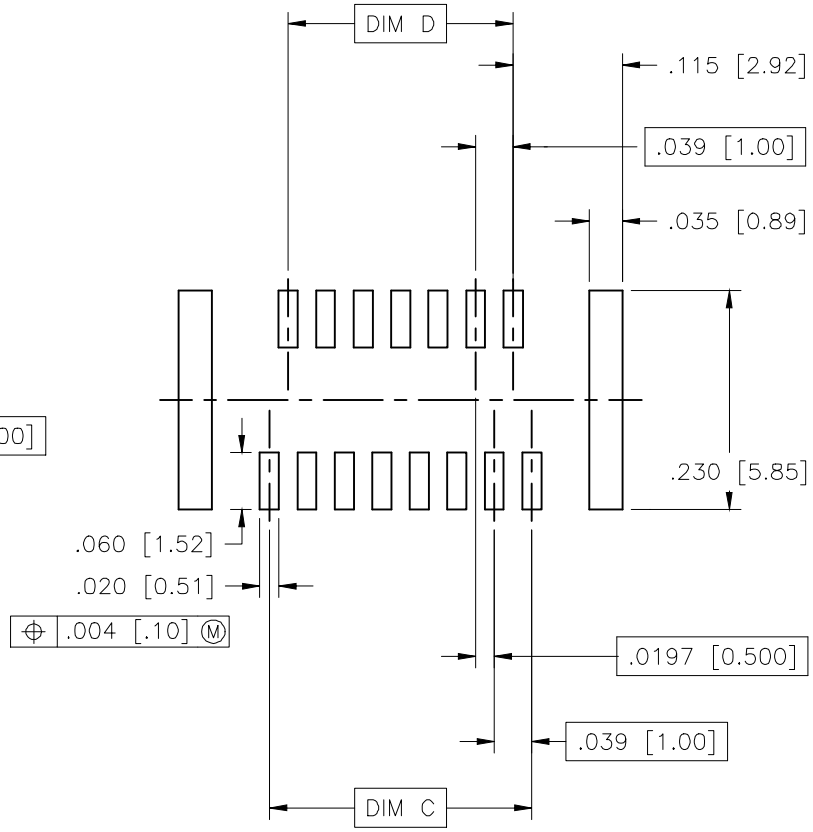
mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection		product family CONAN®			
ltr	ecn no	dr	date	tolerances unless otherwise specified						title CONAN® LEADED CONNECTOR			
B				angles	linear	.XX±.01/0.3		INCH/MM					
						.XXX±.005/0.13							
				0°±2°		.XXXX±.0020/0.051		scale 5:1					
				dr	A. GARCIA	01/31/08				dwg no 10086244		sheet 2 of 7	size A3
				engr	C.MARTINEZ	01/31/08							
				chr	C.MARTINEZ	01/31/08							
				appd	C.MARTINEZ	01/31/08				type Product Customer Drawing			
sheet index	revision sheet												

FCIconnect.com
Copyright FCI
Downloaded from Arrow.com.

PRODUCT NUMBER
SEE TABLE



RECOMMENDED
PAD LAYOUT



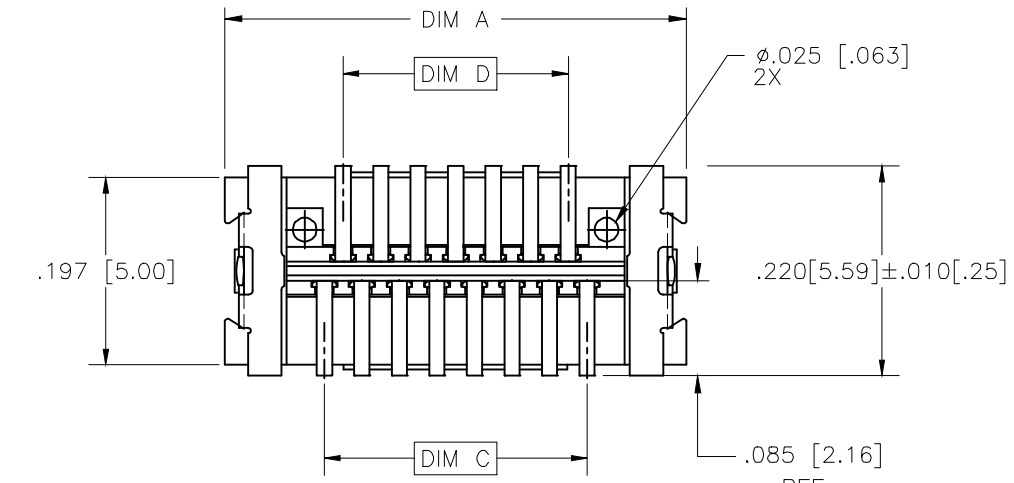
RECOMMENDED
STENCIL LAYOUT
FOR RECEPTACLE

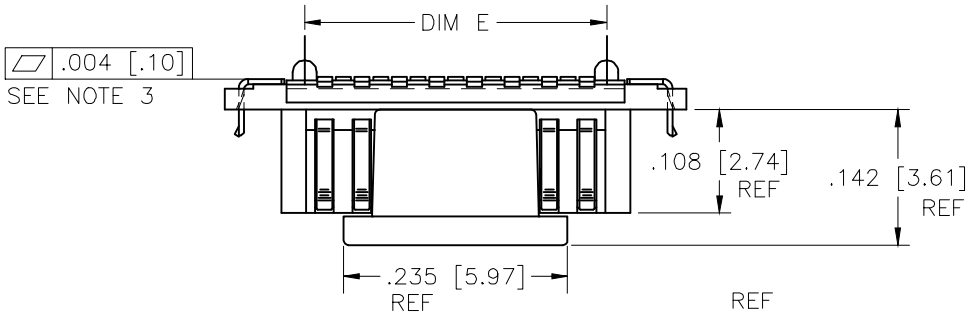
mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family CONAN®				
ltr	ecn no	dr	date	tolerances unless otherwise specified			title CONAN® LEADED CONNECTOR				
B				angles 0°±2°	linear .XX±.01/0.3 .XXX±.005/0.13 .XXXX±.0020/0.051	INCH/MM scale 5:1					
				dr	A. GARCIA	01/31/08	dwg no 10086244	sheet 3 of 7	size A3		
				engr	C.MARTINEZ	01/31/08					
				chr	C.MARTINEZ	01/31/08					
				appd	C.MARTINEZ	01/31/08	type Product Customer Drawing				
sheet index	revision sheet										

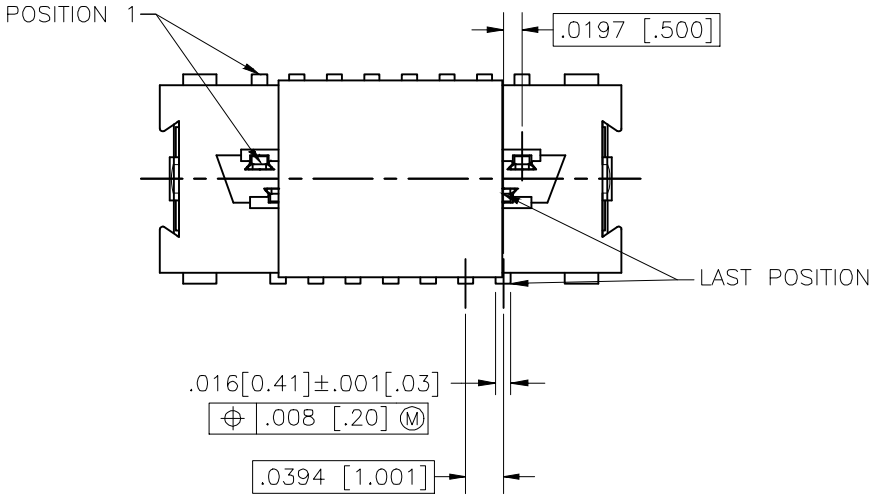
FCIconnect.com
Copyright FCI
form A3
Downloaded from Arrow.com.

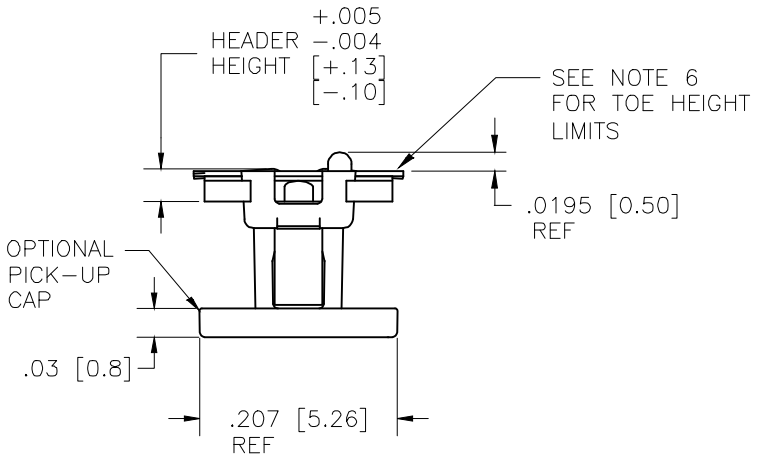
PDS: Rev :B STATUS:Released Printed: Mar 08, 2013

PRODUCT NUMBER
SEE TABLE





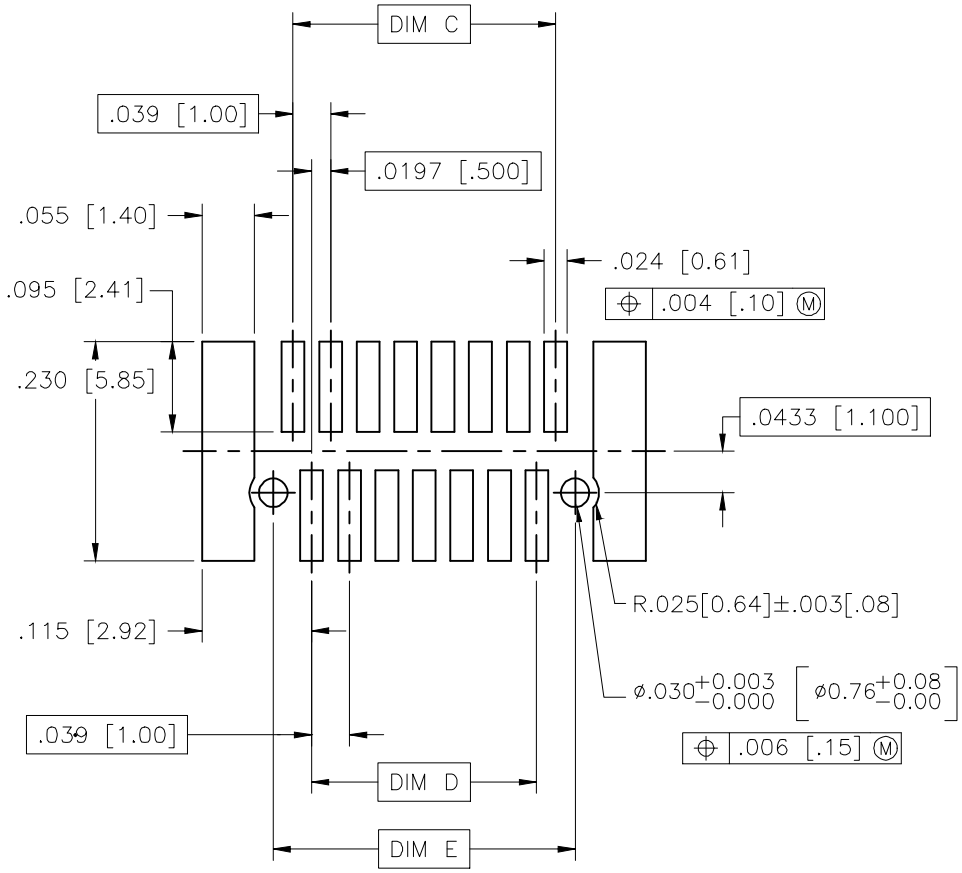




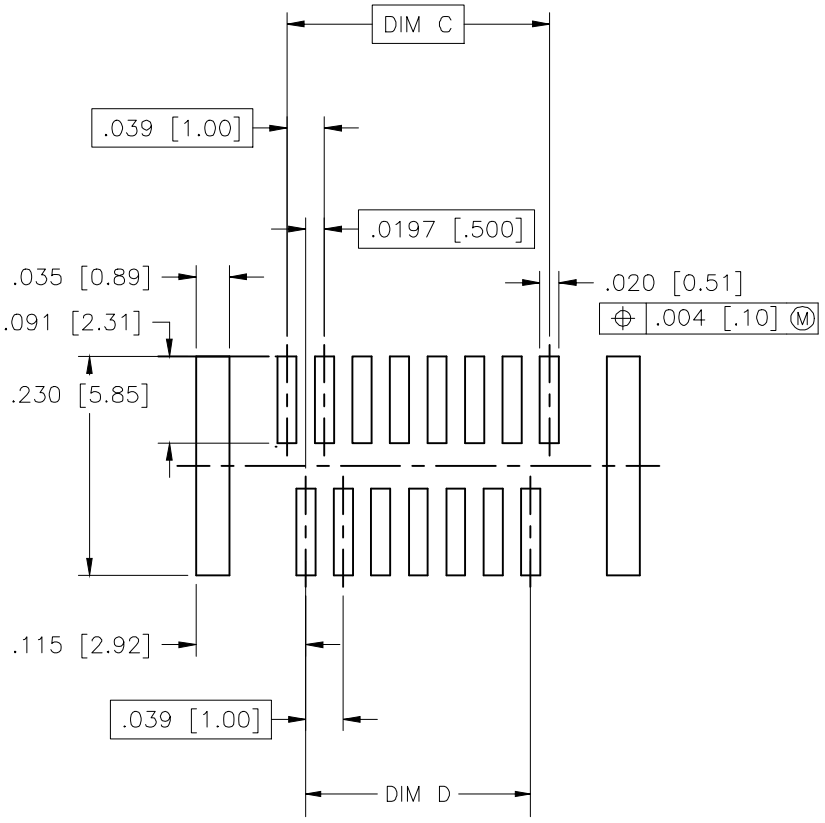
mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection		product family CONAN®	
ltr	ecn no	dr	date	tolerances unless otherwise specified						title CONAN® LEADED CONNECTOR	
B				angles	linear	.XX±.01/0.3		INCH/MM			
						.XXX±.005/0.13					
				0°±2°		.XXXX±.0020/0.051		scale 5:1			
				dr	A. GARCIA	01/31/08				dwg no 10086244	sheet 4 of 7 size A3
				engr	C.MARTINEZ	01/31/08					
				chr	C.MARTINEZ	01/31/08					
				appd	C.MARTINEZ	01/31/08				type Product Customer Drawing	
sheet index	revision sheet										

FCIconnect.com
Copyright FCI
form A3
Downloaded from Arrow.com.

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						
B				angles	linear	.XX±.01/0.3	INCH/MM	CONAN® LEADED CONNECTOR					
				0°±2°		.XXX±.005/0.13							
						.XXXX±.0020/0.051	scale 5:1						
				dr	A. GARCIA	01/31/08		dwg no 10086244		sheet 5 of 7		size A3	
				engr	C.MARTINEZ	01/31/08							
				chr	C.MARTINEZ	01/31/08		type Product Customer Drawing					
				appd	C.MARTINEZ	01/31/08							
sheet index	revision sheet												

FCIconnect.com
Copyright FCI
form A3
Downloaded from Arrow.com.

PDS: Rev :B STATUS:Released Printed: Mar 08, 2013

PRODUCT NUMBER	POS	DIM "A"	DIM "C"	DIM "D"	DIM "E"
10086244-TCWXY09	9	.366 [9.30]	.157 [4.00]	.118 [3.00]	.1990 [5.055]
-WXY11	11	.406 [10.30]	.197 [5.00]	.157 [4.00]	.2380 [6.045]
-WXY15	15	.484 [12.30]	.276 [7.00]	.236 [6.00]	.3170 [8.052]
-WXY21	21	.602 [15.30]	.394 [10.00]	.354 [9.00]	.4350 [11.049]
-WXY25	25	.681 [17.30]	.472 [12.00]	.433 [11.00]	.5140 [13.056]
-WXY31	31	.800 [20.30]	.591 [15.00]	.551 [14.00]	.6320 [16.053]
-WXY41	41	.996 [25.30]	.787 [20.00]	.748 [19.00]	.8290 [21.057]
-WXY51	51	1.193 [30.30]	.984 [25.00]	.945 [24.00]	1.0260 [26.060]
-WXY69	69	1.547 [39.30]	1.339 [34.00]	1.299 [33.00]	1.3800 [35.052]

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 SnPb 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 SnPb ON SOLDER LEGS WITH AN OVERALL 50u"/1.27u Ni UNDERPLATE.

   RETENTION DEVICE – BRASS, PLATED WITH 100u"/2.54u SnPb 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

mat'l. code	surface ISO 1302	tolerance ISO 406 ISO 1101	projection
ltr: B	tolerances unless otherwise specified: angles 0°±2°; linear .XX±.01/0.3, .XXX±.005/0.13, .XXXX±.0020/0.051	INCH/MM	scale 5:1
dr	A. GARCIA	01/31/08	
engr	C.MARTINEZ	01/31/08	
chr	C.MARTINEZ	01/31/08	
appd	C.MARTINEZ	01/31/08	

product family: CONAN®

title: CONAN® LEADED CONNECTOR

dwg no: 10086244 — sheet 6 of 7 — size A3

type: Product Customer Drawing

sheet index / revision sheet

FCIconnect.com

Copyright FCI

Downloaded from Arrow.com.

PRODUCT NUMBER
SEE TABLE

CONAN® ASSEMBLY PART NUMBER

10086244 – T C W X Y ZZ

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: 91921–31125
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.

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® LEADED CONNECTOR
B				angles 0°±2°	linear .XX±.01/0.3 .XXX±.005/0.13 .XXXX±.0020/0.051	INCH/MM scale 5:1	
				dr A. GARCIA 01/31/08			dwg no 10086244 sheet 7 of 7 size A3
				engr C.MARTINEZ 01/31/08			
				chr C.MARTINEZ 01/31/08			type Product Customer Drawing
				appd C.MARTINEZ 01/31/08			
sheet index	revision sheet						

FCIconnect.com
Copyright FCI
Downloaded from Arrow.com.