

ALUMINUM COMPATIBLE LASER WELDABLE SUB-D CONNECTOR

REVISIONS			
REV	CHANGE NO.	DATE	APPROVED
-	INIT RLSE	06-27-05	JP
A	DCN000401	1/8/2009	J. FERRE
B	DCN001414	7/30/2014	

- TRADITIONAL CONFIGURATION WITH THE FLANGE LOCATED AT THE MIDSECTION OF THE CONNECTOR
- DESIGNED TO LASER WELD INTO AN ELECTRONIC CHASSIS WALL
- CONFORMS TO MIL-DTL-24308, ARRANGEMENT 2 PIN COUNTS 15, 26, 44, 62, 78 AND ARRANGEMENT 1 PIN COUNT 104 CONTACT CONFIGURATIONS.
- INCORPORATES BERYLLIUM-COPPER CONTACTS INDIVIDUALLY SEALED USING CERAMAX® PROPRIETARY CERAMIC TO ESTABLISH A DURABLE HERMETIC SEAL.
- THE INTERNAL PINS CAN BE CONFIGURED TO ACCEPT INSULATED WIRE, AUTOMATIC WIRE BONDS, RIBBON WELDS, OR SOLDER CONNECTIONS.

1. LEAK RATE: LESS THAN OR EQUAL TO 1X10E-9 CC/SEC He AT ONE ATMOSPHERE DIFFERENTIAL PRESSURE.
2. INTERFACE AND MOUNTING HOLES IN ACCORDANCE WITH MIL-DTL-24308/2.
3. MATERIALS:
 CONTACT: BERYLLIUM-COPPER ALLOY 172/173 IN ACCORDANCE WITH ASTM B196/197.
 INSULATOR: CERAMAX PROPRIETARY CERAMIC.
 WELD FLANGE: ALUMINIUM ALLOY 4032 IN ACCORDANCE WITH ASTM B247.
 THREADED INSERTS: IN ACCORDANCE WITH NAS 1130-04-15.

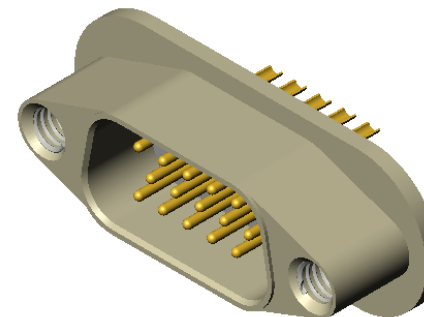
4. FINISH:
 CONTACTS: NICKEL PLATE PER QQ-N-290, .000100/.000250 THICK.
 GOLD PLATE PER ASTM B488, TYPE III, CODE A, .000050/.000100 THICK.
 PLATE ENTIRE EXPOSED PIN, BOTH ENDS.


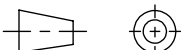
SHELL: CHEMICAL CONVERSION COAT IN ACCORDANCE WITH MIL-DTL-5541, TYPE I, CLASS 1A. 

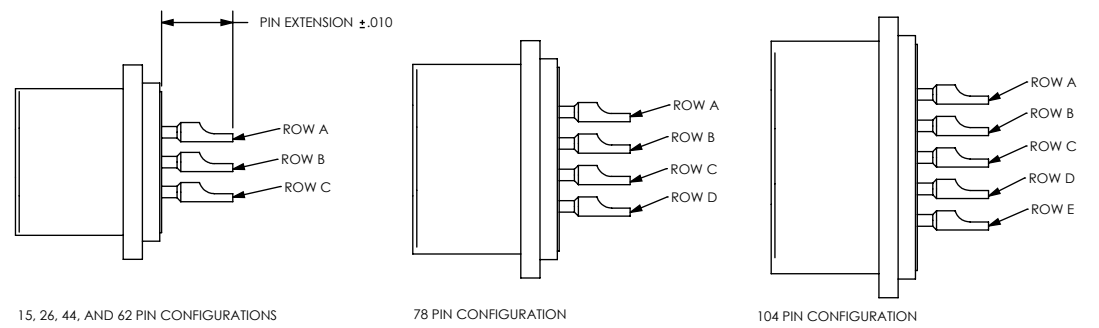
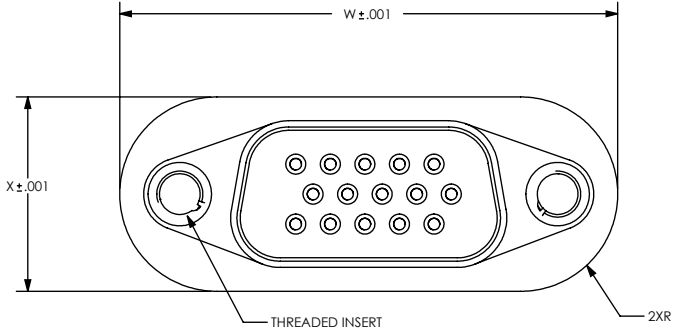
5. ORDERING INSTRUCTIONS:
 SPECIFY BASE NUMBER FOLLOWED BY DASH NUMBERS INDICATING PIN COUNT AND CONFIGURATION (SEE SHEET 2):

EXAMPLE: SRISD103 - 26 - A 1

- _____ DETAILED CONFIGURATION
- _____ PIN END STYLE (SEE VIEW A)
- _____ NUMBER OF CONTACTS, X
- _____ BASE NUMBER

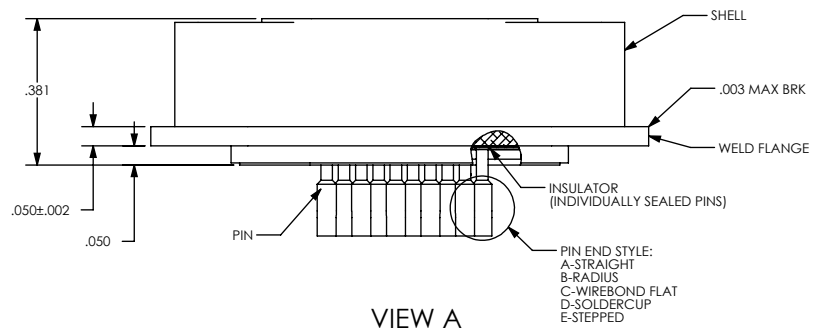


UNLESS OTHERWISE SPECIFIED		 (321) 254-4067 WWW.SRIHERMETICS.COM	
DIMENSIONING IAW ASME Y14.5M-1994 DIMENSIONS APPLY AFTER PROCESSES DIMENSIONS IAW US CUSTOMARY UNITS .X ± .1, .XX ± .01, .XXX ± .005, ∠ ± .5° .010 MAX OUTSIDE R, .005 MAX INSIDE R 125 RMS SURFACE FINISH			
THIRD ANGLE PROJECTION		TITLE	
		CONNECTOR, SUB-D, MID FLANGED, AC LBW	
SIZE	DOCUMENT	SRISD103	REV
A			B
SCALE	CAGE CODE	3PJY7	SHEET
2:1			1 OF 3



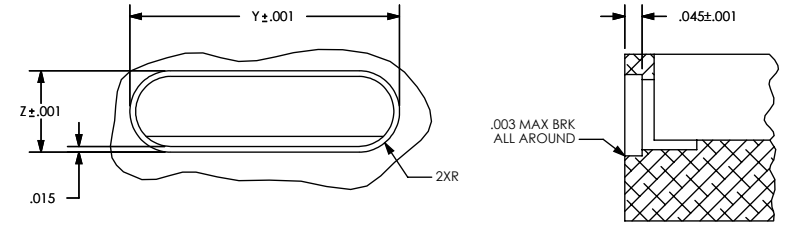
15, 26, 44, AND 62 PIN CONFIGURATIONS 78 PIN CONFIGURATION 104 PIN CONFIGURATION

PIN EXTENSIONS (SEE SH 3)



VIEW A

PIN END STYLE:
 A-STRAIGHT
 B-RADIUS
 C-WIREBOND FLAT
 D-SOLDERCUP
 E-STEPPED



HOLE DETAIL

NUMBER OF CONTACTS	W	X	Y	Z
15	1.297	0.506	1.300	0.509
26	1.625	0.506	1.628	0.509
44	2.165	0.506	2.168	0.509
62	2.814	0.506	2.817	0.509
78	2.720	0.618	2.723	0.621
104	2.814	0.730	2.818	0.733

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 DIMENSIONS APPLY AFTER PROCESSES
 DIMENSIONS IAW US CUSTOMARY UNITS
 .X ±.1, .XX ±.01, .XXX ±.005, ∠ ±.5°
 .010 MAX OUTSIDE R, .005 MAX INSIDE R
 125 RMS SURFACE FINISH

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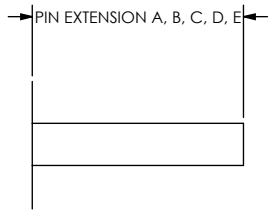
TITLE: CONNECTOR, SUB-D, MID FLANGED, AC LBW

THIRD ANGLE PROJECTION

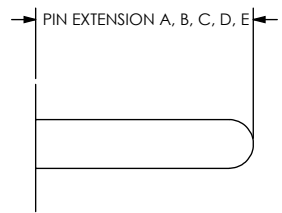
SIZE A	DOCUMENT	SRISD103	REV B
SCALE 2:1	CAGE CODE	3PJY7	SHEET 2 OF 3

8 7 6 5 4 3 2

STRAIGHT PIN END STYLE, A

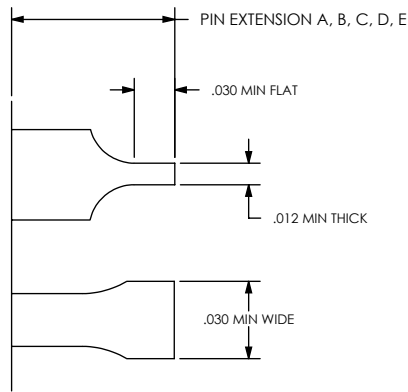


RADIUS PIN END STYLE, B



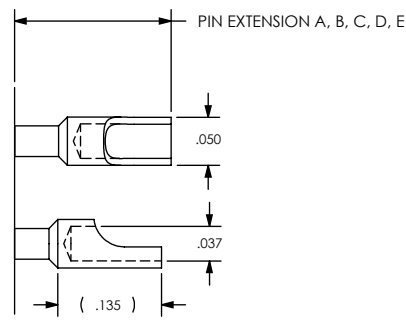
PART NUMBER	A	B	C	D	E
SRISD103-X-B 1	.360	.360	.360	.360	.360
SRISD103-X-B 2	.165	.165	.165	.165	.165

WIREBOND FLAT PIN END STYLE, C



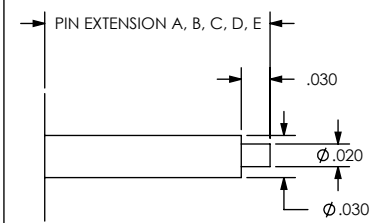
PART NUMBER	A	B	C	D	E
SRISD103-X-C 1	.165	.135	.135	-	-

SOLDERCUP PIN END STYLE, D



PART NUMBER	A	B	C	D	E
SRISD103-X-D 1	.185	.185	.185	.185	.185

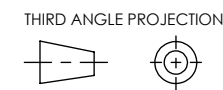
STEPPED PIN END STYLE, E



PART NUMBER	A	B	C	D	E
SRISD103-X-E 1	.100	.100	.100	.100	.100



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 .010 MAX OUTSIDE R, .005 MAX INSIDE R
 125 RMS SURFACE FINISH



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TITLE CONNECTOR, SUB-D, MID FLANGED, AC LBW			
SIZE A	DOCUMENT SRISD103	REV B	
SCALE 2:1	CAGE CODE 3PJY7	SHEET 3 OF 3	