

TITANIUM COMPATIBLE LASER WELDABLE NANO DUAL LOBE CONNECTOR

REVISIONS			
REV	CHANGE NO.	DATE	APPROVED
-	INIT RLSE	----	

- CONFIGURATION WITH THE FLANGE LOCATED AT THE TOP OF THE CONNECTOR
- DESIGNED TO LASER WELD INTO A LOW-PROFILE ELECTRONIC CHASSIS WALL
- CONFORMS TO MIL-DTL-32139 AND ARE AVAILABLE IN 9, 15, 21, 25, 31, 37 AND 51 COUNT PIN/SOCKET CONFIGURATIONS.
- INCORPORATES BERYLLIUM-COPPER PIN/SOCKETS 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.

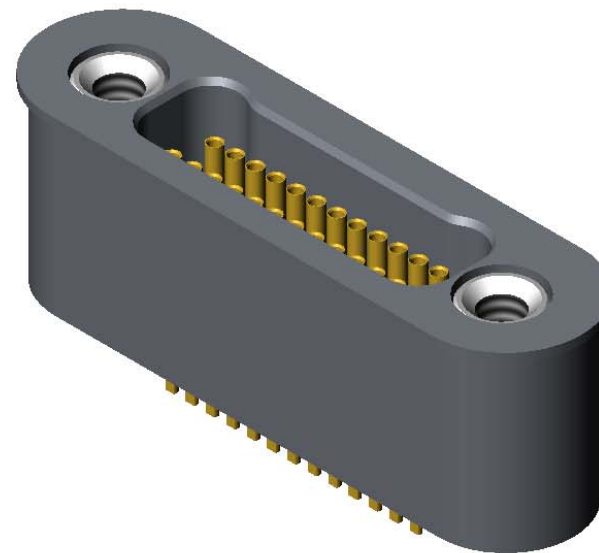
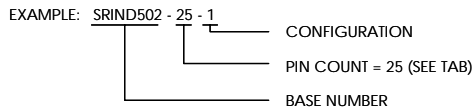
1. LEAK RATE: LESS THAN OR EQUAL TO 1X10E-9 CC/SEC He AT ONE ATMOSPHERE DIFFERENTIAL PRESSURE.
2. INTERFACE AND MOUNTING HOLES IN ACCORDANCE WITH MIL-DTL-32139/4.
3. MATERIALS:
 CONTACT: BERYLLIUM-COPPER ALLOY 172/173 IN ACCORDANCE WITH ASTM B196/197.
 INSULATOR: CERAMAX PROPRIETARY CERAMIC.
 WELD FLANGE: TITANIUM CP GR2 IN ACCORDANCE WITH ASTM B265.
4. FINISH:
 CONTACTS: NICKEL PLATE PER QQ-N-290, _____ / _____ THICK.
 GOLD PLATE PER ASTM B488, TYPE _____, CODE _____, _____ / _____ THICK.
 PLATE ENTIRE EXPOSED PIN, BOTH ENDS.
 PLATING IN SOCKETS NOT REQUIRED BENEATH BLEED HOLE.


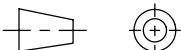
SHELL: PASSIVATED.

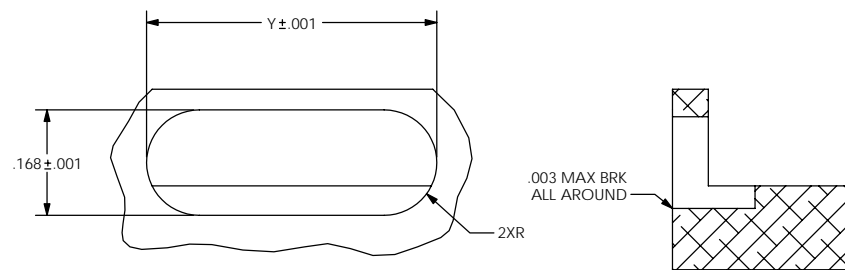
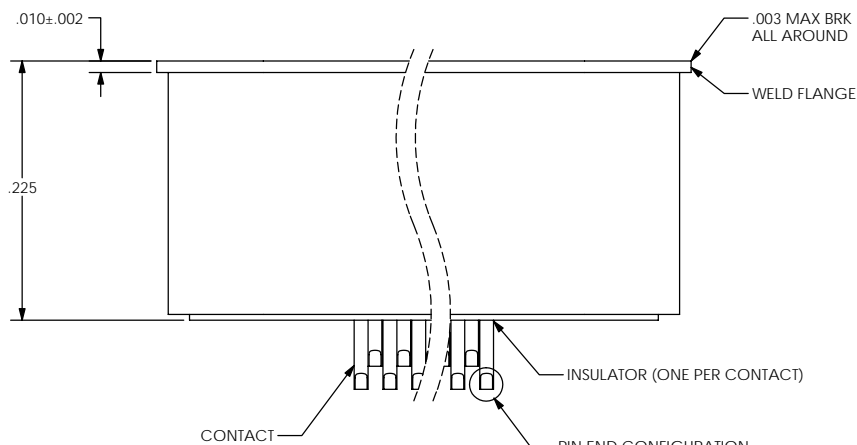
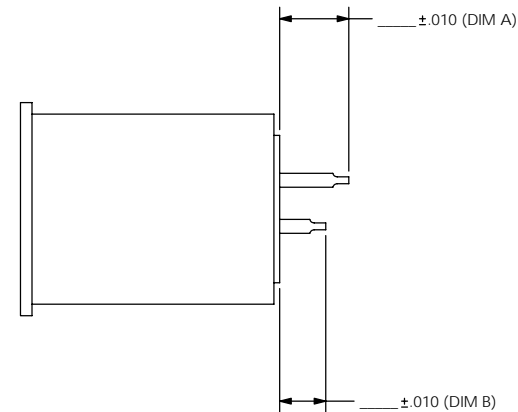
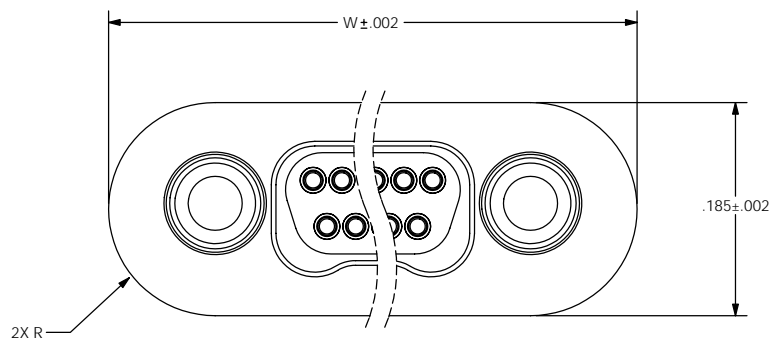
OTHER FINISH REQUIREMENTS: _____

5. SPECIAL TEST REQUIREMENTS: _____
- _____
- _____
- _____
- _____

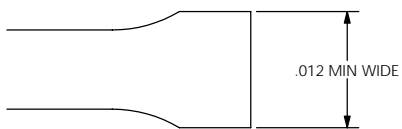
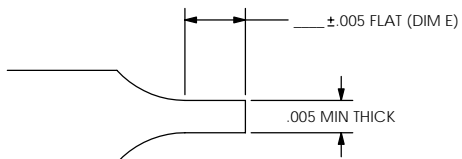
6. ORDERING INSTRUCTIONS:
 SPECIFY BASE NUMBER FOLLOWED BY DASH NUMBERS INDICATING PIN COUNT AND CONFIGURATION (SEE SHEET 2+):



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		TITLE CONNECTOR, NANO DUAL LOBE, TOP FLANGED, TITANIUM COMPATIBLE LASER WELDABLE	
THIRD ANGLE PROJECTION		SIZE A	DOCUMENT SRIND502
SCALE	6:1	CAGE CODE 3PJY7	SHEET 1 OF 3



HOLE DETAIL



WIREBOND FLAT PIN END CONFIGURATION

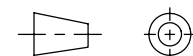
NUMBER OF CONTACTS	W	Y
9	0.455	0.438
15	0.530	0.513
21	0.605	0.588
25	0.655	0.638
31	0.730	0.713
37	0.805	0.788
51	0.980	0.963

UNLESS OTHERWISE SPECIFIED
 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

SRI HERMETICS (321) 254-4067
 WWW.SRIHERMETICS.COM

TITLE CONNECTOR, NANO DUAL LOBE, TOP FLANGED, TITANIUM COMPATIBLE LASER WELDABLE


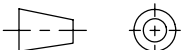
THIRD ANGLE PROJECTION



SIZE A	DOCUMENT SRIND502	REV -
SCALE 6:1	CAGE CODE 3PJY7	SHEET 2 OF 3

PART NUMBER	A	B	E	PIN END CONFIGURATION	PIN FINISH	SPECIAL FINISH	SPECIAL TESTING
SRIND502-X-1	0.060	0.040	0.015	WIREBOND FLATS	NICKEL PLATE PER QQ-N-290, .000100/.000250 THICK	-	-
1/					GOLD PLATE PER ASTM B488, TYPE 3, CODE A, .000050/.000100 THICK		

1/ DENOTES STANDARD CONFIGURATION

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, $\angle \pm 5^\circ$.010 MAX OUTSIDE R, .005 MAX INSIDE R 125 RMS SURFACE FINISH		TITLE CONNECTOR, NANO DUAL LOBE, TOP FLANGED, TITANIUM COMPATIBLE LASER WELDABLE	
THIRD ANGLE PROJECTION 	SIZE A	DOCUMENT SRIND502	REV -
SCALE 6:1	CAGE CODE 3PJY7	SHEET 3 OF 3	