

# TITANIUM COMPATIBLE LASER WELDABLE NANO DUAL LOBE CONNECTOR

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

- 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-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: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

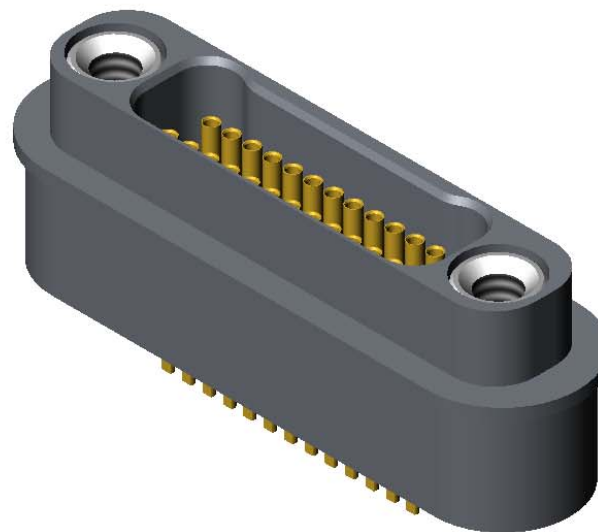
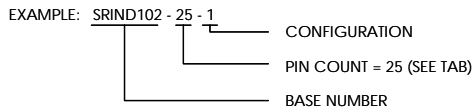
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\_\_\_\_\_

\_\_\_\_\_

5. SPECIAL TEST REQUIREMENTS: \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

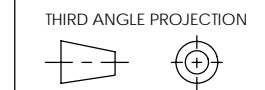
6. ORDERING INSTRUCTIONS:  
SPECIFY BASE NUMBER FOLLOWED BY DASH NUMBERS INDICATING PIN COUNT AND CONFIGURATION (SEE SHEET 2+):



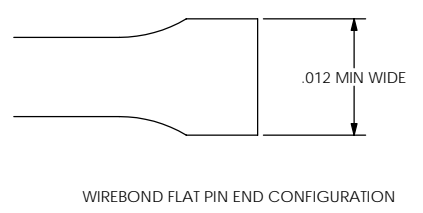
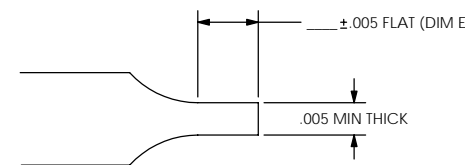
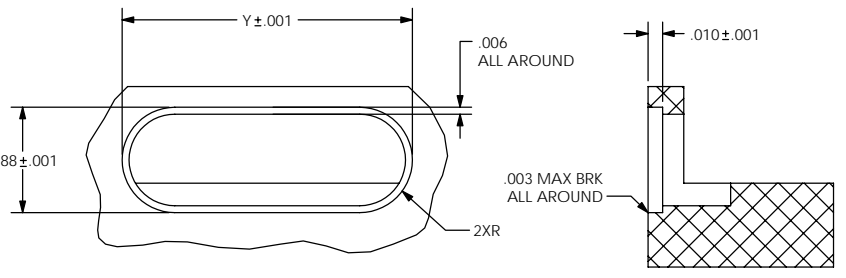
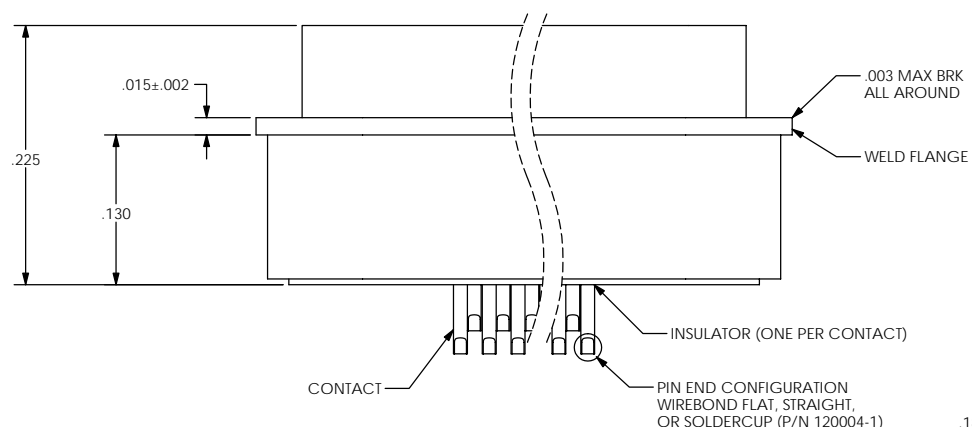
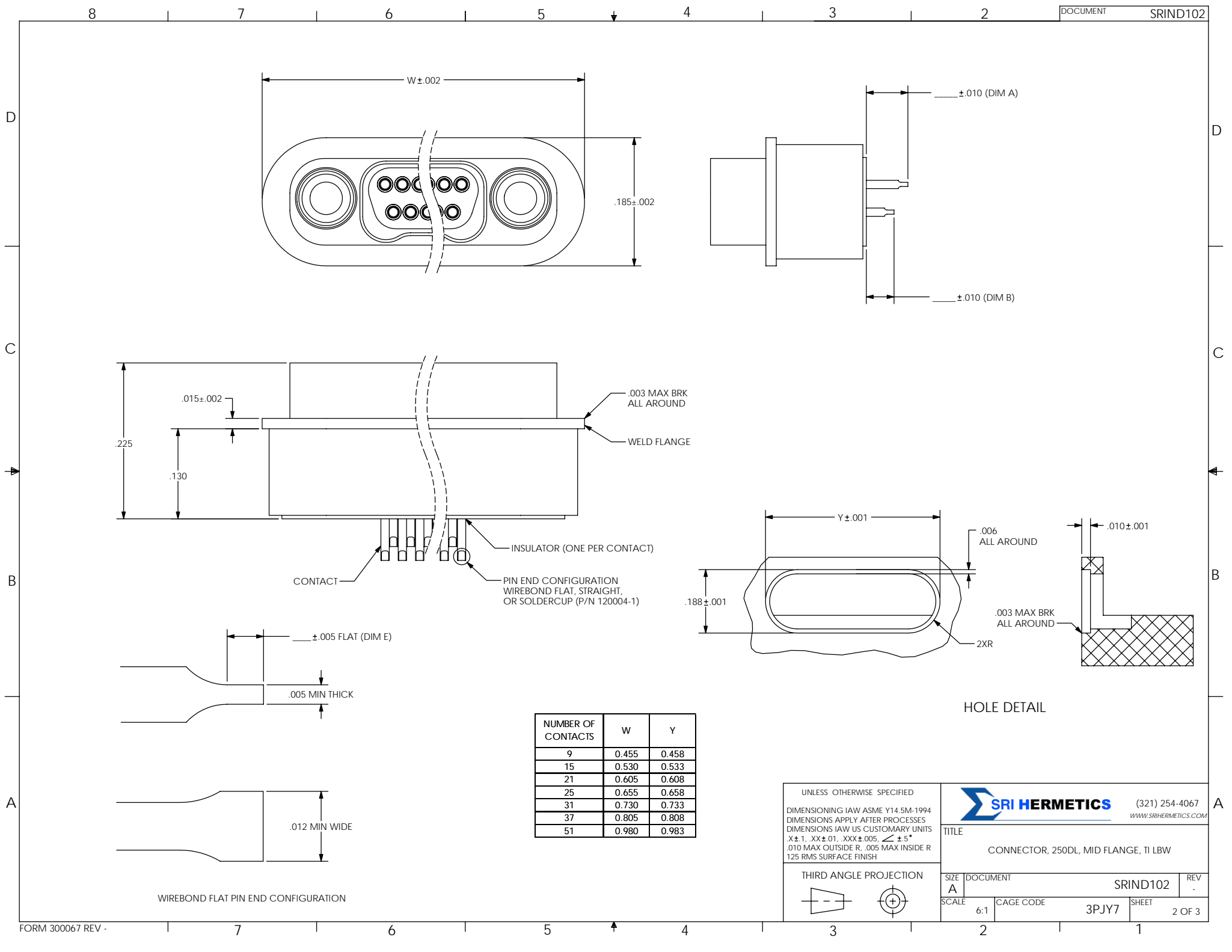
UNLESS OTHERWISE SPECIFIED  
 DIMENSIONING IAW ASME Y14.5M-1994  
 DIMENSIONS APPLY AFTER PROCESSES  
 DIMENSIONS IAW US CUSTOMARY UNITS  
 .X±.1, .XX±.01, .XXX±.005, ∠ ± 5°  
 .010 MAX OUTSIDE R, .005 MAX INSIDE R  
 125 RMS SURFACE FINISH



TITLE  
 CONNECTOR, 250DL, MID FLANGE, TI LBW



SIZE A	DOCUMENT SRIND102	REV -
SCALE 6:1	CAGE CODE 3PJY7	SHEET 1 OF 3



NUMBER OF CONTACTS	W	Y
9	0.455	0.458
15	0.530	0.533
21	0.605	0.608
25	0.655	0.658
31	0.730	0.733
37	0.805	0.808
51	0.980	0.983

UNLESS OTHERWISE SPECIFIED  
 DIMENSIONING: IAW ASME Y14.5M-1994  
 DIMENSIONS APPLY AFTER PROCESSES  
 DIMENSIONS IAW US CUSTOMARY UNITS  
 .X $\pm$ .1, .XX $\pm$ .01, .XXX $\pm$ .005,  $\angle \pm 5^\circ$   
 .010 MAX OUTSIDE R, .005 MAX INSIDE R  
 125 RMS SURFACE FINISH

THIRD ANGLE PROJECTION

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

TITLE: CONNECTOR, 250DL, MID FLANGE, TI LBW

SIZE: A DOCUMENT SRIND102 REV: -

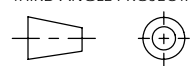

SCALE: 6:1 CAGE CODE 3PJY7 SHEET 2 OF 3

PART NUMBER	A	B	E	PIN END CONFIGURATION	PIN FINISH	SPECIAL FINISH	SPECIAL TESTING
SRIND102-X-1	0.060	0.040	0.015	WIREBOND FLATS	NICKEL PLATE PER QQ-N-290, .000100/.000250 THICK GOLD PLATE PER ASTM B488, TYPE 3, CODE A, .000050/.000100 THICK	-	-
1/							

1/ DENOTES STANDARD CONFIGURATION

UNLESS OTHERWISE SPECIFIED  
 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  
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SIZE A	DOCUMENT SRIND102	REV -
SCALE 6:1	CAGE CODE 3PJY7	SHEET 3 OF 3