

INSTALLATION WELDING OPTIONS

- 1- E.B. OR LASER WELDING
- 2- PULSED TIG WELDING

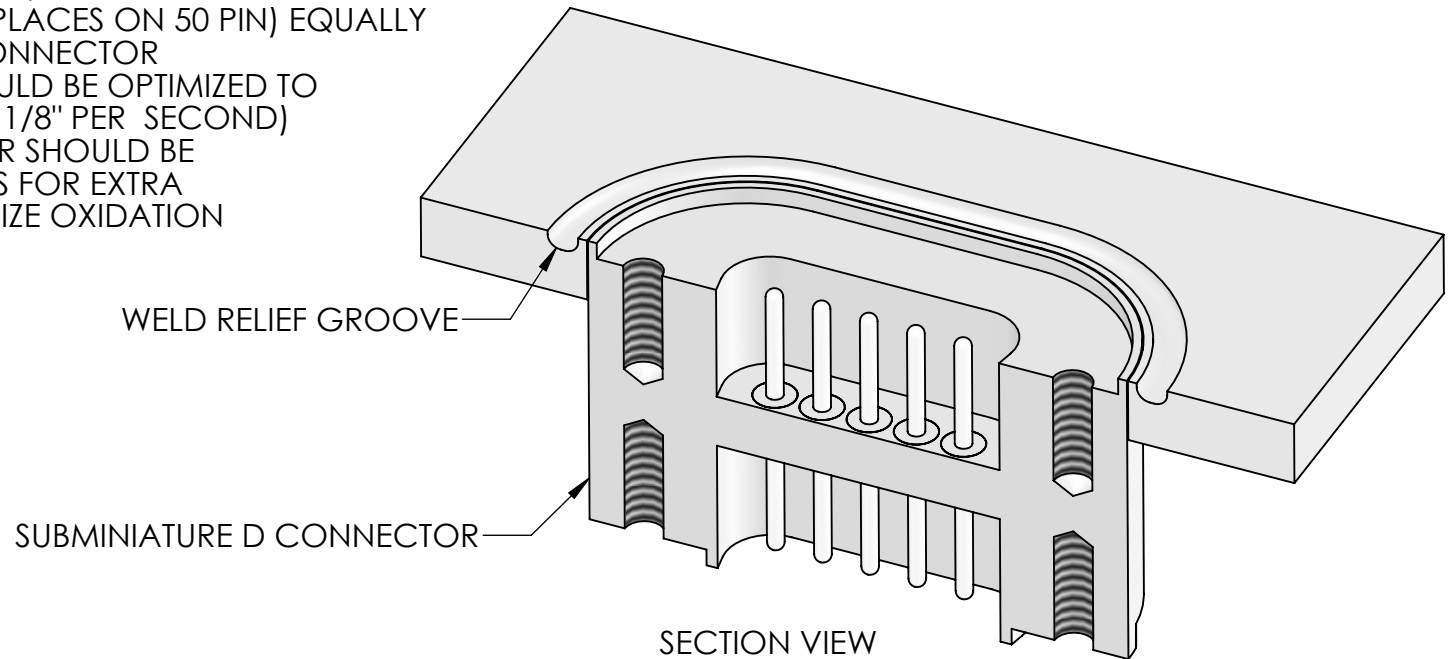
SUB-D CONNECTORS WELDING INSTRUCTIONS

MATING HARDWARE DIMENSIONS/ CONFIGURATION

SEE SHEET 2 OF THIS INSTRUCTION SHEET.
HARDWARE SHOULD BE 304/304L OR 316/316L STAINLESS STEEL.
PREFERRED ORIENTATION IS WITH THE WELD ON THE VACUUM SIDE.

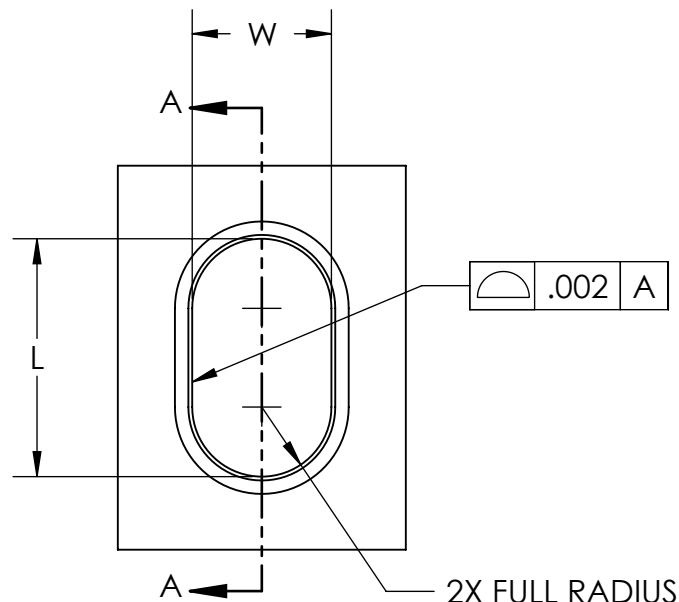
PULSED TIG WELD PROCEDURE

- 1- TYPICAL WELDER SETTINGS
 - BACKGROUND CURRENT: FIXED AT 1/3-1/2 OF PEAK CURRENT
(eg. 8.3 -12.5 amps @ 25 amps)
 - CURRENT SETTING: 25 TO 30 AMPS
 - PULSE FREQUENCY: 25-30 Hz
 - PULSE WIDTH FIXED AT 50%
- 2- TACK WELD 4 PLACES (6 PLACES ON 50 PIN) EQUALLY SPACED AROUND THE CONNECTOR
- 3- WELD TRAVEL SPEED SHOULD BE OPTIMIZED TO REDUCE HEAT INPUT (e.g. 1/8" PER SECOND)
- 4- OPPOSITE SIDE OF HEADER SHOULD BE FLOODED WITH INERT GAS FOR EXTRA COOLING AND TO MINIMIZE OXIDATION

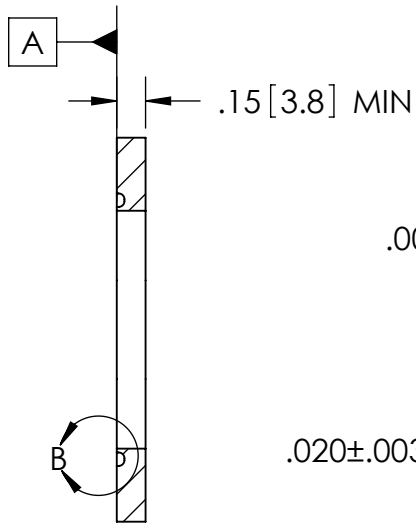


- SEE SHEET 2 FOR HOLE DIMENSIONS -

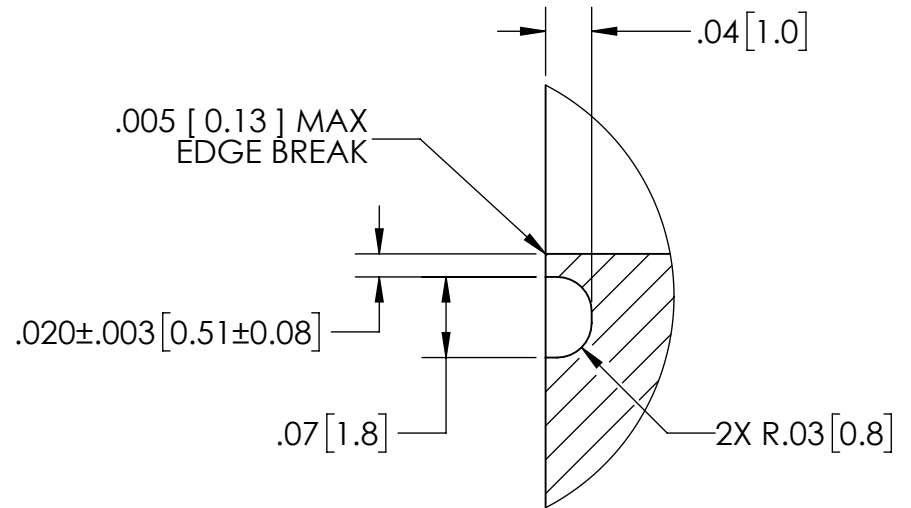
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REV.	APP'D	DATE	SCALE 1:0.4	DIMENSIONS IN INCHES [mm]	DRAWN	MH	06/07/2006	NUMBER:	NS13118	REV:	E	SOLID SEALING TECHNOLOGY, INC. SHEET 1 OF 2
E	JF	10/04/2019	NS13118-01X1		ENG APPR.	OG	06/09/2006					



L & W ARE BASIC DIMENSIONS



SECTION A-A



DETAIL B
SCALE 6 : 1

CONNECTOR PART NO.	CONNECTOR # OF PINS	L	W
FA13118	9	1.239 [31.47]	0.725 [18.42]
FA13119	15	1.567 [39.80]	0.725 [18.42]
FA13121	25	2.107 [53.52]	0.725 [18.42]
FA26041	26	1.567 [39.80]	0.725 [18.42]
FA16702	37	2.743 [69.67]	0.725 [18.42]
FA13122	50	2.743 [69.67]	0.837 [21.26]
FA16640	62	2.743 [69.67]	0.725 [18.42]

SUB-D CONNECTORS
RECOMMENDED
HOLE & WELD PREP
DIMENSIONS

- SEE SHEET 1 FOR WELDING INSTRUCTIONS -

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REV.	APP'D	DATE	SCALE 1:1	DIMENSIONS IN INCHES [mm]	DRAWN	MH	06/07/2006	NUMBER:	NS13118	REV:	E	SOLID SEALING TECHNOLOGY, INC. SHEET 2 OF 2	
E	JF	10/04/2019	NSPRT001-01		ENG APPR.	OG	06/09/2006						