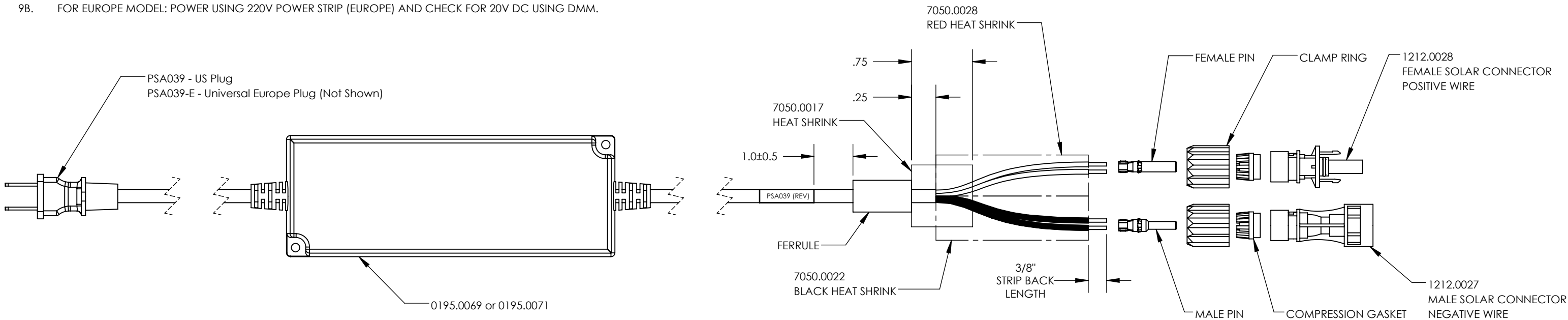
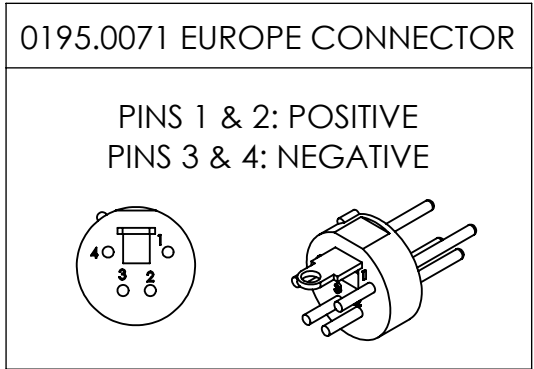


# LEAD FREE

REV.	DESCRIPTION	DATE	BY	ECO
A	INITIAL RELEASE	3/13/2017	D. ANDERSON	4530
B	LABEL, CONNECTOR SPEC, LENGTHS	5/3/2017	D. ANDERSON	4541
C	SOLAR CONNECTOR SWITCH	7/21/2017	D. ANDERSON	4595
D	CLARIFICATION OF WIRING	9/8/2017	D. ANDERSON	4623
E	ADDITION OF PSA039-E	9/20/2017	D. ANDERSON	4621
F	HEAT SHRINK NUMBER SWAP	11/1/2017	D. ANDERSON	4640
G	CLARIFICATION OF PSA039-E, CHANGED TO SIZE B	9/19/2018	D. WEBSTER	4739
H	UPDATED HEAT SHRINK LENGTHS AND INSTRUCTIONS	5/7/2019	D. WEBSTER	4826

**ASSEMBLY NOTES:**

1. FOR US MODEL: CUT OFF THE OUTPUT CONNECTOR FROM THE 0195.0069. ATTEMPT TO KEEP THE CABLE AS LONG AS POSSIBLE. IT MIGHT BE BEST TO SMASH THE CONNECTOR TO CUT THE WIRES AT THE SOLDER POINT.
- 1B. FOR EUROPE MODEL: CUT OFF THE OUTPUT CONNECTOR FROM THE 0195.0071. ATTEMPT TO KEEP THE CABLE AS LONG AS POSSIBLE. SMASH THE CONNECTOR TO CUT THE WIRES AT THE SOLDER POINT. WIRE COLORS MAY VARY, BUT CONNECTOR PINS 1 AND 2 ARE CONNECTED TO POSITIVE, AND PINS 3 AND 4 ARE CONNECTED TO NEGATIVE. REFER TO 0195.0071 CONNECTOR DETAIL.
2. STRIP BACK THE JACKET WITHIN 1/4" FROM FERRULE TO EXPOSE 2 NEGATIVE AND 2 POSITIVE WIRES. STRIP ALL 4 WIRES BACK 3/8".
3. USE THE TRICRIMP TOOL, MIDDLE CRIMP POSITION (30), TO CRIMP THE MALE PIN TO THE TWO NEGATIVE LINES TOGETHER, AND TO CRIMP THE FEMALE PIN TO THE TWO POSITIVE LINES TOGETHER. SOLDER BOTH PINS.
4. CUT 7050.0028 (RED) AND 7050.0022 (BLACK) HEAT SHRINK THE SAME LENGTH, TO COVER THE INSULATED PORTION OF THE 2 POSITIVE AND 2 NEGATIVE WIRES (NOT INCLUDING PINS).
5. PLACE HEAT SHRINK 7050.0017 (BLACK) OVER ALL FOUR WIRES, 3/4" LONG, STARTING AT THE FERRULE, TO COVER ANY EXPOSED WIRES AND TO PROVIDE STRAIN RELIEF.
6. MAKE SURE THE CLAMP RING AND COMPRESSION GASKET ARE ALREADY ON BEFORE PUSHING THE PIN INTO THE HOUSING. PUSH THE PINS INTO THE MATCHING SOLAR CONNECTOR, THEY WILL CLIP INTO PLACE AND MUST BE FULLY SEATED.
7. TIGHTEN THE CLAMP RING DOWN UNTIL IT FULLY SEATS USING THE 6500.0007 WRENCH TOOL AND 1/2" BOX WRENCH.
8. ADD A WRAP LABEL (3255.0007) TO THE CABLE WITH THE PART NUMBER (PSA039 OR PSA039-E) AND LATEST REV.
9. FOR US MODEL: PERFORM A POWER CHECK TO ENSURE DEVICE OUTPUTS 20V.
- 9B. FOR EUROPE MODEL: POWER USING 220V POWER STRIP (EUROPE) AND CHECK FOR 20V DC USING DMM.



- NOTES:**
1. ALL EQUIVALENCIES MUST BE APPROVED BY PCB ENGINEERING.
  2. ALL COMPONENTS AND PROCESSES MUST BE **ROHS** COMPLIANT.
  3. FIRST ARTICLE TO BE APPROVED BY PCB ENGINEERING.

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COPYRIGHT © PCB PIEZOTRONICS, INC. FILE NAME: PSA039 AC POWER ADAPTER FOR NMS044	SIZE <b>B</b>	NUMBER <b>PSA039</b>	REV. <b>H</b>
SCALE 1:2		SHEET 1 OF 1	

