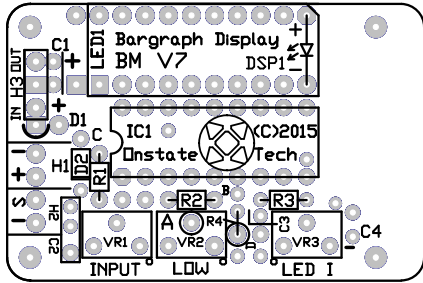
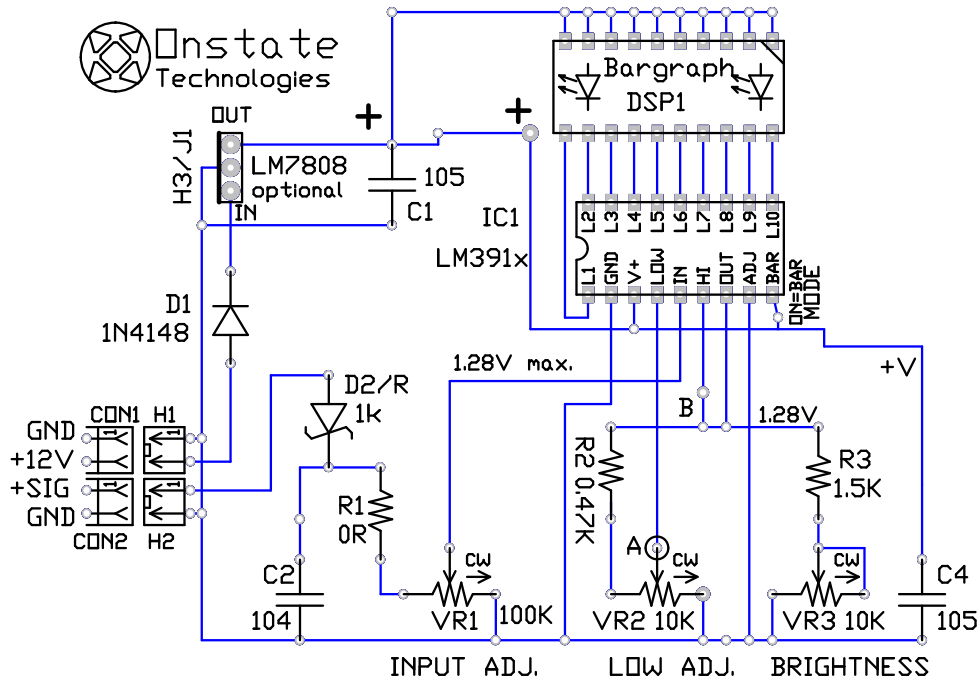


DC Bargraph Display Volt Meter



Parts Labels



R1: DC input voltage divider for high voltage input
Minimum V_{in} for full scale is 1.3V.

Part: BM-V7 (C)2015

Basic DC bargraph voltmeter.
1.3V-20V full scale input.

All *-ND are Digi-Key part codes (Digi-key.com)

All resistors: 1/8W, 5%

(value)EBK-ND, eg. 47KEBK-ND (47K)

Trimmer resistors (VR), Cermet, PC pins

3362P-VALUE-LF-ND, top adj. 103=10k, 104=100k

D1: 1N4148, general Si diode, 0.2A

J1/H3: Jumper, >16VIN use LM7808, 8V reg, 1A

Caps C: mono cer. 104=0.1uF, 103=0.01uF, 105=1.0uF

C1: power filter, any type >1.0uF on +/-

IC1: LM391xN-1-ND, 10 seg. bargraph driver

LM3914 is linear display.

LM3915 is audio VU display.

D2 (BAT42) is for slow decay display.

D2 (1k resistor) for steady DC input display.

R1: Input voltage divider for finer VR1 adjustment.

DISP1: 160-1067-ND, 10 seg. LED bargraph, GRN

Display Dot/Bar mode:

1. Cut trace on bottom side

near MODE label to pin9