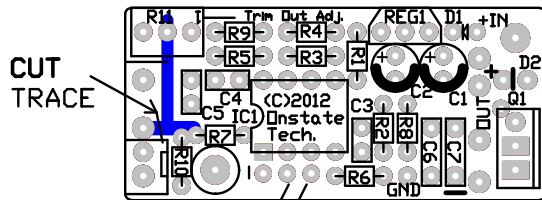
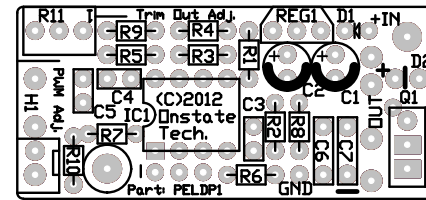


Bottom Layer Trace



Legend Labels



USB ON/OFF PWM LED Dimmer
Part: PELDP1 (C)2016

12kHz adjustable LED dimmer
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
3362U-<VALUE>LF-ND, top adj. inline, 104=100k
R11 solder only pins 2/3. Bend pin 1 from pad.
D1: 1N4148, general Si diode, 0.2A
REG1: 78L08, 8V reg, 0.1A
D2: 1N4002, diode, 1A (optional)
Caps C: mono cer. 104=0.1uF, 103=0.01uF, 105=1.0uF
C1, C2, C7: power filter, any type >1.0uF
H1: 2-pin header. USB 5V power input.
IC1: LM258N dual op-amp, 8-DIP
AMP-A=PWM output, AMP-B=f oscillator

