



- Parts: (Digikey.com)
 All resistors are 0805 SMD.
 R1,R2=2512 SMD
 IC2: LM258D, 8-SOIC
 VR: 10k, 3362P-1-103LF, TOP
 D6,D7: 1N4148, SOD-323
 Q4,Q8,Q10: N-CH MOS, >35V 1A, SOT-23
 DMN6075, DMN6140
 PC1: LDR, 30k-3M, 5mm
 1206 Caps: C*1,4,7,9,10,11,14,22, 35V 1uF
 Small caps: 0805 SMD, <25V
 10mm Caps: C*2,4,5,12,13, 35V 330uF
 Q1,Q7: P-CH MOS, >35V 10A, D/D2PAK
 Q2,Q3,Q5,Q6: N-CH, >35V 15A, D/D2PAK
 REG1: 8V 0.1A, 78L08, SOT-89
 D1:Zener, D5:Schottky, SOD323
 IC1: BQ24650RVAR, 16-QFN (3.5x3.5), 0.5mm
 Use 16-QFN to 16-DIP adapter PCB

bq24650 Solar Charge Controller-Charger
 See CIR-PESCC Solar Light Schematic for more information

See part datasheet for part specifications

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