

| Item | Qty | Ref | Value | Mfr | Mfr PN | Vendor | Vendor PN | Description |
|------|-----|-------|-------|----------------------|--------------------|----------|-----------------------------|---------------------------------|
| 1 | 2 | C1 C2 | 0.1u | Vishay/BC Components | K104K10X7RF5UH5 | Digi-Key | BC2665CT-ND | Capacitor, X7R, 50V, 10% |
| 2 | 1 | Q1 | - | Diodes Inc | ZTX788B | Digi-Key | ZTX788B-ND | Transistor, PNP, 15V, 2A |
| 3 | 1 | Q2 | - | Diodes Inc | BS107P | Digi-Key | BS107P-ND | MOSFET, N-Ch, 200V, 120mA |
| 4 | 2 | R1 R8 | 12.1K | Stackpole | RNF14FTD12K1 | Digi-Key | RNF14FTD12K1CT-ND | Resistor, 1%, 1/4W |
| 5 | 2 | R2 R3 | 150K | Stackpole | RNF14FTD150K | Digi-Key | RNF14FTD150KCT-ND | Resistor, 1%, 1/4W |
| 6 | 1 | R4 | 0 | x | 000 | xxx | 000 | Resistor, 1%, 1/4W |
| 7 | 1 | R5 | 100K | Stackpole | RNF14FTD100K | Digi-Key | RNF14FTD100KCT-ND | Resistor, 1%, 1/4W |
| 8 | 1 | R6 | 249K | Stackpole | RNF14FTD249K | Digi-Key | RNF14FTD249KCT-ND | Resistor, 1%, 1/4W |
| 9 | 1 | R7 | 18K | Stackpole | CFM14JT18K0 | Digi-Key | S18KQCT-ND | Resistor, 5%, 1/4W |
| 10 | 1 | R9 | 470 | Stackpole | CF14JT470R | Digi-Key | CF14JT470RCT-ND | Resistor, 5%, 1/4W |
| 11 | 1 | R10 | 680 | Stackpole | CF14JT680R | Digi-Key | CF14JT680RCT-ND | Resistor, 5%, 1/4W |
| 12 | 1 | U1 | - | Microchip | MCP6547-E/P | Digi-Key | MCP6547-E/P-ND | IC, Comparator, Dual, OD output |
| 13 | 1 | U2 | - | TI | LM385BLPE3-2-5 | Digi-Key | LM385BLPE3-2-5-ND | IC, Vref shunt, 2.5V, 1.5% |
| 14 | 1 | U3 | - | TI | LM4040DIZ-5.0/LFT1 | Digi-Key | 296-LM4040DIZ-5.0/LFT1CT-ND | IC, Vref shunt, 5.0V, 1% |