**Bill of Materials (Curve Tracer Arduino Only)**

|  |  |  |
| --- | --- | --- |
| **REF** | **Value** | **NOTE** |
| C1 | 470p | Ceramic |
| C2 | 1n | Ceramic |
| C3 | 1n | Ceramic |
| C4 | 470p | Ceramic |
| C5 | 470u | Electrolytic |
| C6 | 470u | Electrolytic |
| C7 | 0.1u | Ceramic |
| C8 | 0.1u | Ceramic |
| C9 | 0.1u | Ceramic |
| CON1 | DC JACK |  |
| D1 | 1N5819 |  |
| D2 | 1N5819 |  |
| IC1 | LM358N | Op-Amp |
| IC2 | LM358N | Op-Amp |
| IC3 | LM358N | Op-Amp |
| LED1 | RED LED | LED |
| Q1 | BD139 | NPN TO126 |
| R1 | 47K |  |
| R2 | 30K |  |
| R3 | 100k |  |
| R4 | 100k |  |
| R5 | 47K |  |
| R6 | 30K |  |
| R7 | 12K |  |
| R8 | 10 |  |
| R9 | 100 | 1/2W |
| R10 | 100K |  |
| R11 | 100K |  |
| R12 | 68K |  |
| R13 | 100K |  |
| R14 | 10K |  |
| R15 | 100k |  |
| R16 | 50k | Trimmer |
| R17 | 1k |  |
| SL1 | DUT | 2-Pins Female Header |
| SL3 | DUT | 2-Pins Female Header |
| SL5 | DUT | Connector |
| SL6 | DUT | Mechanical Connector |
| Nano |  | Arduino Nano |