

Permanent Electronics
 TB-Overdrive Plus (Prototype) 2021

| Part | Value | Device | Notes | Part | Value | Device | Notes |
|-------|---------|-----------------------------------|------------------|------|------------|----------------|------------------------------------|
| C1 | .0022uF | box, film, or ceramic 16v or more | 5mm lead space | R1 | 33k | 1/4 watt | |
| C2 | .22uF | box, film, or ceramic 16v or more | 5mm lead space | R2 | 620k | 1/4 watt | |
| C3 | .22uF | box, film, or ceramic 16v or more | 5mm lead space | R4 | 68k | 1/4 watt | |
| C4 | .1uF | box, film, or ceramic 16v or more | 5mm lead space | R5 | 22k | 1/4 watt | |
| C5 | 47uF | electrolytic 16v or more | 2mm lead space | R6 | 470k | 1/4 watt | |
| C6 | .1uF | box, film, or ceramic 16v or more | 5mm lead space | R7 | 100R | 1/4 watt | |
| C7 | .1uF | box, film, or ceramic 16v or more | 5mm lead space | R8 | 430R | 1/4 watt | |
| C8 | .1uF | box, film, or ceramic 16v or more | 5mm lead space | R9 | 100k | 1/4 watt | |
| C9 | .1uF | box, film, or ceramic 16v or more | 5mm lead space | R10 | 100k | 1/4 watt | |
| C10 | .1uF | box, film, or ceramic 16v or more | 5mm lead space | R11 | 22k | 1/4 watt | |
| C11 | 220pF | box, film, or ceramic 16v or more | 5mm lead space | R12 | 1M | 1/4 watt | |
| C12 | 47uF | electrolytic 16v or more | 2mm lead space | CLR | 4.7k - 10k | 1/4 watt | *increase value to dim LED |
| C13 | 220pF | box, film, or ceramic 16v or more | 5mm lead space | | | | |
| C14 | 100pF | box, film, or ceramic 16v or more | 5mm lead space | IC1 | TL072 | Dual OP-AMP | (4588, OP275, and others work too) |
| D1 | 1N400x | Diode | DO-41 Package | Q1 | 2N3904 | NPN Transistor | **experiment** |
| DRIVE | 1M | Trimmer | Bourns 3362 size | | | | |
| TONE | 50kA | Potentiometer | | | | | |
| VOL | 10kA | Potentiometer | | | | | |
| GAIN | 50kA | Potentiometer | | | | | |