

The Oakley Modular
Dual Comparator and Gated Delay

| RESISTORS | QTY | X | X | Designator |
|---|------------|----------|----------|--|
| 47R 0.5W 1% Metal Film | 1 | | | R16 |
| 100R 0.5W 1% Metal Film | 1 | | | R37 |
| 470R 0.5W 1% Metal Film | 2 | | | R1, R2 |
| 1K 0.5W 1% Metal Film | 7 | | | R26, R30, R31, R32, R33, R34, R42 |
| 2K2 0.5W 1% Metal Film | 2 | | | R14, R15 |
| 10K 0.5W 1% Metal Film | 3 | | | R13, R45, R48 |
| 33K 0.5W 1% Metal Film | 21 | | | R6, R8, R9, R10, R11, R12, R18, R19, R20, R21, R23, R24, R27, R35, R36, R43, R44, R46, R47, R49, R50 |
| 47K 0.5W 1% Metal Film | 1 | | | R29 |
| 100K 0.5W 1% Metal Film | 9 | | | R3, R4, R5, R7, R17, R22, R28, R38, R40 |
| 220K 0.5W 1% Metal Film | 2 | | | R39, R41 |
| 1M 0.5W 1% Metal Film | 1 | | | R25 |
| 50K LIN (Vishay 248) | 2 | | | LEVEL1, LEVEL2 |
| | | | | |
| CAPACITORS | QTY | X | X | Designator |
| 150pF 5% Ceramic, NPO | 2 | | | C9, C10 |
| 10nF 50V Polyester | 3 | | | C1, C18, C19 |
| 100nF 50V Ceramic NPO Axial | 11 | | | C2, C3, C4, C5, C6, C7, C11, C12, C14, C15, C21 |
| 1uF 25V Electrolytic | 1 | | | C8 |
| 2u2 25V Electrolytic | 3 | | | C13, C16, C17 |
| 22uF 25V Electrolytic | 1 | | | C20 |
| | | | | |
| SEMICONDUCTORS | QTY | X | X | Designator |
| 5mm Red LED | 2 | | | LED1, LED2 |
| 1N4004 200V 1A Diode | 1 | | | D4 |
| 1N4148 Signal Diode | 3 | | | D1, D2, D3 |
| BC549 NPN Transistor | 6 | | | Q1, Q2, Q3, Q4, Q5, Q6 |
| 78L05 5V 100mA Regulator | 1 | | | U4 |
| LM311 Comparator | 2 | | | U5, U6 |
| TL072 Dual JFET Opamp | 2 | | | U3, U7 |
| TL074 Quad JFET Opamp | 2 | | | U1, U2 |
| Single bead inductor | 2 | | | L1, L2 |
| | | | | |
| HARDWARE | QTY | X | X | Designator |
| 5mm Red Lens Mount | 2 | | | LED1, LED2 |
| Crimp to suit 0.156" MTA-xx Series | 4 | | | |
| 4-way 0.156" Housing | 1 | | | PWR |
| 4-way 0.156" Straight, Locking Header | 1 | | | PWR |
| Crimp to suit 0.1" MTA-xx Series | 22 | | | |
| 5-way Housing | 2 | | | Lower MAIN PCB, Lower I/O PCB |
| 5-way Straight, Locking Header | 2 | | | Lower MAIN PCB, Lower I/O PCB |
| 6-way Housing | 2 | | | Upper MAIN PCB, Upper I/O PCB |
| 6-way Straight, Locking Header | 2 | | | Upper MAIN PCB, Upper I/O PCB |
| 14-pin IC Socket 0.3" | 2 | | | U1, U2 |
| 8-pin IC Socket 0.3" | 4 | | | U3, U5, U6, U7 |
| 27mm MOTM/Moog Style Knob | 2 | | | LEVEL1, LEVEL2 |
| 6.35mm Mono Switched Socket, SwitchCraft 112APC | 7 | | | INPUT A1, INPUT A2, INPUT B1, INPUT B2, OUTPUT 1, OUTPUT 2 |