

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	
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	2			U1, U2
8-pin IC Socket	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