

The Oakley Modular
Sample Hold

CAPACITORS	QTY	X	X	Designators
33pF 5% Ceramic, Low K, NPO	3			C4, C12, C14
100pF 5% Ceramic, NPO	1			C5
220pF 5% Ceramic, NPO	1			C17
4n7 50V Polyester	1			C2
10nF 63V Polypropylene	1			C13
100nF 50V Ceramic NPO Axial	7			C6, C7, C8, C9, C10, C11, C18
2200nF 63V Polyester, open frame	1			C1
2u2 25V Electrolytic	2			C15, C19
22uF 25V Electrolytic	3			C3, C16, C20

RESISTORS	QTY	X	X	Designators
10R 0.5W 1% Metal Film	1			R25
22R 0.5W 1% Metal Film	2			R10, R23
75R 0.5W 1% Metal Film	4			R9, R11, R20, R21
100R 0.5W 1% Metal Film	3			R6, R8, R28
330R 0.5W 1% Metal Film	2			R13, R17
1K 0.5W 1% Metal Film	2			R5, R33
1K8 0.5W 1% Metal Film	1			R2
2K2 0.5W 1% Metal Film	2			R12, R22
10K 0.5W 1% Metal Film	6			R4, R7, R14, R18, R19, R29
22K 0.5W 1% Metal Film	2			R24, R34
100K 0.5W 1% Metal Film	7			R1, R3, R26, R27, R30, R31, R32
470K 0.5W 1% Metal Film	2			R15, R16
25K LIN (Vishay 248)	1			RESTRICT
100K LOG (Vishay 248J)	1			SLEW

SEMICONDUCTORS	QTY	X	X	Designators
1N4148 Signal Diode	3			D1, D2, D3
CD4093 - Quad 2-input NAND Schmitt trigger	1			U5
LF398 Sample and Hold Amplifier	1			U2
TL072 Dual JFET Opamp	3			U1, U3, U4
BC547 NPN Transistor	3			Q1, Q2, Q3
5mm Green LED	1			CLK
5mm Red/Green Bi-LED	1			O/P
Single bead inductor	2			L1, L2

HARDWARE	QTY	X	X	Designators
5mm Clear Lens Mount	1			O/P
5mm Green Lens Mount	1			CLK
SPDT Flat Toggle Switch (ON-ON)	1			MODE
4-way 0.156" Housing	1			PWR
4-way 0.156" Straight, Locking Header	1			PWR
2-way Housing	4			
2-way Straight, Locking Header	4			
3-way Housing	2			
3-way Straight, Locking Header	2			
6.35mm Mono Switched Socket, SwitchCraft 112APC	6			CLOCK-Rising, CLOCK-Falling, HOLD IN, HOLD OUT, SLEW IN, SLEW OUT
27mm MOTM/Moog Style Knob	2			RESTRICT, SLEW
14-pin IC Socket 0.3"	1			U5
8-pin IC Socket 0.3"	4			U1, U2, U3, U4