

Designator	Manufacturer	MPN	Qty	Description
D1	TSM	AEY22	1	Tunnel diode
R1	Susumu Co	RR0816P-111-D	1	110Ω ±0.5% resistor (0603)
R2	Yageo	RT0603DRD071KL	1	1kΩ ±0.5% resistor (0603)
R3	Panasonic	ERA3AEB681V	1	680Ω ±0.1% resistor (0603)
R4,R5	Panasonic	ERA3AEB4990V	2	499Ω ±0.1% resistor (0603)
C1	KYOCERA AVX	08051A510JAT2A	1	51pF, 100V ceramic capacitor (0603)
C2,C3	Yageo	1206CG151J9BB	2	150pF, ±5% 50V ceramic capacitor (0603)
U1	Texas Instruments	TLE2141CD	1	Low Noise High-Speed Precision Single Supply Operational Amplifier
U2	Analog Devices	AD8561ARZ	1	Ultrafast 7 ns Single Supply Comparator, SOIC-8
U3	Microchip	MCP601-I/SN	1	General Purpose Amplifier, SOIC-8
U4	PJRC	Teensy 4.0	1	Teensy