

Bill of Materials	ULPSM Rev. 1.2			
ULPSM	BOM Rev. 1.1			
Item	Ref. Des.	# Req	Mfr.'s Part No.	Notes
Circuit Board		1	ULPSM_R12	
Connector, 8 pin female	J1	1	Sullins PPPC081LGBN-RC	
Capacitor, Ceramic, 0.1uF 25V SMT0805	C1-4, 6	1	Kemet C0805C104K3RACTU	
Capacitor, Ceramic, 22pF 50V SMT0805	C5	1	Kemet C0805C220K5GACTU	
Capacitor, Ceramic, 1.0uF 25V SMT0805	C7,8	2	F951E105MPAAQ2	
Resistor, 0.0 SMT0603	BIAS +/-	2	Yageo RC0603JR-070RL	See ULPSM_R12 SETTINGS_TABLE
Resistor, 0.0 SMT0805	R11,R12	2	Yageo RC0805JR-070RL	
Resistor, 1M 1% SMT0805	R1,3,4	3	Yageo RC0805FR-071ML	
Resistor, Variable Value, 1% SMT0805	R2	1	Variable Value	See ULPSM_R12 SETTINGS_TABLE
Resistor, 49.9 1% SMT0805	R5	1	Yageo RC0805FR-0749R9L	
Resistor, Variable Value, 1% SMT0805	R6	1	Variable Value	See ULPSM_R12 SETTINGS_TABLE
Resistor, 100K 1% SMT0805	R8	1	Yageo RC0805FR-07100KL	
Amplifier, dual, MSOP-8 pkg.	U2,U3	2	Microchip MCP6042T-I/MS	
Thermistor, 470K 5% NTC SMT0603	R10	1	MuRata NCP18WM474J03RB	
Resistor, 470K 1% SMT0603	R9	1	Yageo RC0603FR-07470KL	
Connector, 2 pin, female	J11-13	3	3M 950502-6102-AR	
Captive Fastener/Standoff	HOLE	1	Captive Fastener CKFSE-116-4	
IC, EEPROM, 16KBIT, MSOP-8	U4	1	Microchip 24AA16-I/MS	DNI
Voltage Regulator, 3V, SOT-23-5	U1	1	Seiko S-812C30AMC-C2KT2G	DNI
Potentiometer, 100K	R7	1	Copal ST4ETB104	DNI