



Comment	Description	Designator	Footprint	LibRef	Quantity
15uF	0603 SMD Capacitor	C1	CAPC1608N	Cap Semi	1
4.7uF	0603 SMD Capacitor	C2, C4	CAPC1608N	Cap Semi	2
0.1uF	0603 SMD Capacitor	C3	CAPC1608N	Cap Semi	1
Photo/Emitting Diode	Emitting/Photo Diode 940nm Gullwing	D1, D2, D3, D4	Vishay VEMD/VSMB footprint	Diode	4
FFC 8-PIN Connector (1mm)	FFC 8-PIN Connector (1mm) (SMT)	J1	Hirose FFC connector 8- Pin	FFC Connector-8Pin- SMT-1mm	1
10uH	0603 SMD Inductor	L1	INDC1608N	Inductor	1
47	0603 SMD Resistor	R1, R2, R3, R4	RESC1608N	Res3	4
12K	0603 SMD Resistor	R5	RESC1608N	Res3	1
1K	0603 SMD Resistor	R6	RESC1608N	Res3	1
100K	0603 SMD Resistor	R7	RESC1608N	Res3	1
MCP6021T-E/OT	Rail-to-Rail Input/Output, 10 MHz Operational Amplifier, 5-Pin SOT-23, Extended Temperature, Tape and Reel	U1	SOT-23-OT5_N	MCP6021T-E/OT	1
ATmega168PA-28M1	8-Bit AVR Microcontroller with 8K Bytes of In-System Programmable Flash Memory	U2		ATmega168-28M1	1
SN74CBT3126PWLE	Quadruple FET Bus Swit	U3	PW014_N	SN74CBT3126PWLE	1