

# Bill of Materials

Reference	Value	Manufacturer	Package	DigiKey	Quantity	Notes
IC1	MAX11629	Maxim Integrated	16-SSOP (3.90mm)	MAX11629EEE+-ND	1	
IC2	MAX5702	Maxim Integrated	10-MSOP (3.00mm)	MAX5702AAUB+-ND	1	
IC3	MCP6L01	Microchip	SOT-23-5	MCP6L01T-E/OTCT-ND	1	
C1, C6	0.1μF	Samsung	0402	1276-1001-1-ND	2	
C2, C5	1μF	Samsung	0603	1276-6524-1-ND	2	
C3, C4	10μF	Samsung	0805	1276-6457-1-ND	2	
C7 – C9	0.1μF	Samsung	0603	1276-1006-1-ND	3	
L1	100μH	Taiyo Yuden	1210	587-1628-1-ND	1	
P1, P2	8x2 Pin	Harwin Inc.		952-2553-ND	2	8x2 Male Pin Header
P3, P5	4x1 Pin	Harwin Inc.		952-2265-ND	2	4x1 Male Pin Header
P7 – P12, P14	6x1 Pin	Harwin Inc.		952-2269-ND	7	6x1 Male Pin Header
P14	17x2 Pin	On Shore Technology Inc.		ED10528-ND	1	17x2 Shrouded Male Header

## Notes

Capacitors can be substituted as long as the package, voltage, and capacitance is the same. Use X5R or X7R dielectric.

Resistors can be substituted as long as the package and resistance are the same.

Cheap pin headers from eBay will work fine if you want to save some money. DigiKey is expensive for pin headers.