

Quantity	RefDes	Value	
3	C1, C2, C3	10uF 50V	CAP TH
3	C4, C5, C6	0.1uF 50V	CAP SM
1	D1		10V ZEN
1	J1		2x8 IDC
1	Q1	FQP47p06	MOSFET
1	R1	100K	RES_12
1	U1		LM1117-3
1	U2		LM7805
1	Power Connector	See Notes	
2	Heat Sinks	See Notes	

Notes

1. Electronics-Salon 4X TO-220 Heatsink, Small Power Aluminum Heat-Sink, SKU: HS-001-4
PCB Mounting hole spacing 25.4mm

2. Power connector

OILKI 2-Pin 5.08mm Pitch PCB Mount Screw Terminal Block, Straight Plug-in

2-Pin (2 Pole) Screw Terminal Block Connector, Pluggable Male Female Phoenix Type Connector for Arduino PCB

2. IDC Connector

16 Pin 2x8 2.54mm Pitch