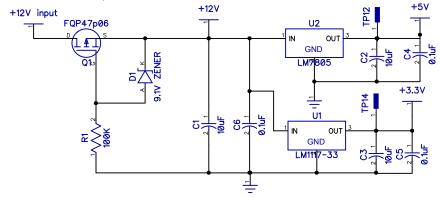


## Reverse Polarity Protection



Q.	anti	y RefDes	Value	Name
Ţ	3	C1, C2, C3	10uF 50V	CAP Thru hole
	3	C4, C5, C6	0.1uF 50V	CAP SMD 1206
Ŀ	1	D1		10V ZENER
F	1	J1		2x8 IDC
ŀ	1	Q1	FQP47p06	MOSFET_ENH_P
[	1	R1	100K	RES_1206
Ŀ	1	U1		LM1117-33
Ŀ	1	U2		LM7805
ŀ	1	Power Connector	See Notes	
[	2	Heat Sinks	See Notes	

## Notes

- Electronics-Salon 4X TO-220 Heatsink, Small Power Aluminum Heat-Sink, SKU: HS-001-4 PCB Mount1ng hole spacing 25.4mm
- 2. Power connector

OllKl 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 Shield

2. IDC Connector

16 Pin 2x8 2.54mm Pitch