

Designator	Comment	Description	Quantity
C1, C2	100pF		2
C3, C11	100nF		2
C4, C7	100nF		2
C5, C8	1uF		2
C6, C9	10uF		2
C10	22uF	Capacitor Polarised	1
D1	TVS 22V	TVS Diode (Uni-directional)	1
D2	SS14F	Schottky Diode	1
IC1	TH8056	Integrated Circuit	1
IC2	ISO7741	Integrated Circuit	1
IC3	AMS1117-5.0	Integrated Circuit	1
J1	PMOD	Connector	1
J2	XY118-5.0-3P	Connector	1
JP1	PINHD1x2		1
L1	47uH		1
LED1	LED_0805	LED	1
Q1	2N7002	MOSFET (N-Channel)	1
R1, R8	1K		2
R2	6K49		1
R3	9K09		1
R4, R5	2K7		2
R6, R7	10K		2
R9, R10	47K		2