

F5m Redux – Kit Contents

Reference	Quantity	Description
-----------	----------	-------------

Q1	2	2SK170
Q2	2	2SJ74
Q3	2	IRFP9140
Q4	2	IRFP140

P1, P2	4	1k ohm trimmer
R1	2	22.1k ohm resistor
R2, R8, R9	6	47k ohm resistor
R3, R4	4	270 ohm resistor, 3W
R5	2	22 ohm resistor, 3W
R6, R _x 6, R7, R _x 7	8	1 ohm resistor, 3W

FB1, FB2	4	Ferrite bead, SMD
D1, D2	4	TVS diode, 68V, SMD
R10, R11, R13, R13	8	0.1 ohm, 2W, 2010 wide SMD
C1, C2, C3, C4	8	1uF feedthrough cap, SMD
L1, L2, L3, L4	8	10uH inductor, SMD
R14, R15, R16, R17	8	750 ohm resistor, 1206 SMD
C5, C6, C7, C8	8	Capacitor, 470uF, D10, P5

PS1	2	DC-DC converter, 9V
C9, C10, C11	6	Capacitor, 10uF, 1206 SMD
D0	2	LED, 5mm
R0	2	10k resistor for LED

Z1	2	Zener diode, 36V
Q5	2	MOSFET, P-Ch, low RD _{SON} , DPAK
Q6	2	MOSFET, N-Ch, low RD _{SON} , DPAK
SW1	2	Power switch, DPDT
SW2	2	Thermal Switch, KSD-01F, NC, 65C
J1, J2	4	DC Jack, 2.5 × 5.5mm

J5	2	RCA, right angle mount
J3, J4	4	M4 threaded terminal, right angle mount
-	2	M4 binding post, red
-	2	M4 binding post, black
J6	2	Fan header, 3 pin

-	4	SMPS, 24V, 2.5A
-	4	AC cord, NEMA 15-5p to C13

-	2	Heatsink, round, 140 × 70mm
-	2	Fan, 140mm

-	4	Thermal pad, TO-247, Alumina
-	2	Thermal paste packet
-	8	M3 × 6 standoff
-	10	M3 × 6 screw
-	4	M3 × 10 screw
-	4	M3 fender washer
-	6	Belleville washer

-	8	Thumbscrew, M4 × 6
-	8	Standoff, M4 × 45mm MF
-	8	Standoff, M4 × 50mm MF
-	8	Standoff, M4 × 20mm FF
-	8	Tube, 83mm
-	8	Tube, 20mm

-	2	Circuit board, 140 × 140mm, ENIG
---	---	----------------------------------