

Reference	Qty	Value	Part No	Manufacturer
C1,C2	2	10uF	C1206C104K5RAC7800	KEMET
C3	1	0.1uF	C0805C104K5RAC7800	KEMET
C4	1	0.1uF	C0805C104K3RAC7800	KEMET
C5	1	22pF	C0805C220J5GAC7800	KEMET
C6,C7	2	47uF	GRM32ER71A476KE15K	Murata
J1,J2	2	Screw_Terminal_01x02	1757019	Phoenix Contact
L1	1	8.2uH	L-7443845030082	Wurth Elektronik
R1	1	30.9K	RC0805FR-0730K9L	Yageo
R2	1	84.5K	RC0805FR-0784K5L	Yageo
R3	1	10K	RC0805FR-0710KL	Yageo
R4	1	1K	RC0805FR-071KL	Yageo
U1	1	LMR51450SDRRR	LMR51450SDRRR	Texas Instruments

Description

1206 Size, 10 μ F, 50V, X7R Dielectric

0805 Size, 0.1 μ F, 50V, X7R Dielectric

0805 Size, 0.1 μ F, 25V, X7R Dielectric

0805 Size, 22pF, 50V, C0G Dielectric

1210 Size, 47 μ F, 25V, X7R Dielectric

Pluggable Terminal Blocks

IND, POWER, 8.2 μ H +/-20%, 6.1A, SMD, WE-MXGI

0805 Size, 30.9 k Ω , 1% Tolerance, 1/8W Power Rating

0805 Size, 84.5 k Ω , 1% Tolerance, 1/8W Power Rating

0805 Size, 10 k Ω , 1% Tolerance, 1/8W Power Rating

0805 Size, 1 k Ω , 1% Tolerance, 1/8W Power Rating

IC, SYNC BUCK CONV, 4V-36V INPUT, 5A, WSON-12

Footprint

Capacitor_SMD:C_1206_3216Metric

Capacitor_SMD:C_0805_2012Metric

Capacitor_SMD:C_0805_2012Metric

Capacitor_SMD:C_0805_2012Metric

Capacitor_SMD:C_1210_3225Metric

Connector_Samtec_HPM_THT:Samtec_HPM-02-01-x-S_Straight_1x02_Pitch5.08mm

Inductor_SMD_Wurth1:L_Wurth_WE-MXGI-5030

Resistor_SMD:R_0805_2012Metric

Resistor_SMD:R_0805_2012Metric

Resistor_SMD:R_0805_2012Metric

Resistor_SMD:R_0805_2012Metric

KiCADv6:WSON_SDRRR_TEX