

Ref.	Q.ty	Variant	Description
CON1	1		Clamp, WECO, 2 pole, horizontal, 1.5mm <sup>2</sup> , 380V, 15A
CON2	1		Clamp, WECO, 3 pole, horizontal, 1.5mm <sup>2</sup> , 380V, 15A
C1	1		22µF Electrolytic capacitor, Nippon Chemi-Con, KMG 400V, 20%
C2	1		10µF Electrolytic capacitor, Nippon Chemi-Con, KMG 400V, 20%
C3	1		120µF Electrolytic capacitor, Nippon Chemi-Con, LXY 35V 20%
C4	1	(1, 2, 4)	220µF Electrolytic capacitor, Nippon Chemi-Con, LXY 35V 20%
C5	1		10µF Electrolytic capacitor, Nippon Chemi-Con, KME 50V 20%
C6	1		100pF Ceramic capacitor, X7R, 500V C1206 10%
C8	1		22nF Ceramic capacitor, X7R, 50V C0805 10%
C9	1	(1, 4)	100nF Ceramic capacitor, X7R, 50V C0805 10%
C10	1	(1, 4)	1nF Ceramic capacitor, X7R, 50V C0805 10%
C11	1	(2) (3)	2.2µF Tantalum capacitor, Size A, B45196E, 10V 7.0R 20% 100nF Ceramic capacitor, X7R, 50V C1206 10%
D1, D2	2		GL1M Diode, Diotec, trr=1.5µs 1000V 1A, MiniMELF
D4	1		<b>STMicroelectronics STPR120A</b> Diode, fast recovery trr=25ns 200V 1A SMA
D5	1	(1, 2, 4) (3)	<b>STMicroelectronics STPS1L40A</b> Diode, Schottky, 40V 1A, SMA 0R Resistor, metal film, R1206
D6	1	optional	<b>STMicroelectronics PKC-136</b> Diode, Peak clamp, Vbr=160V, 700V, 1.5W DO-15
D7	1		LL4148 Diode 75V 200mA
D8	1	(2, 3)	ZMM13 Zener diode, 13V 0.5W 5%
L1	1		330µH Inductor, EPCOS, bobbin core, B78108-S1334-J, 190mA 6.4R 10%
Q1, Q2	2	(1, 4)	BC856B Bipolar transistor, PNP, 65V 100mA 330mW
R1	1		10R resistor, Yageo, wirewound, fusible, TK120 CRF 254-4 3W 5%
R2, R5, R7, R8	4	(1, 4)	4.7K resistor, metal film, 100V 0.125W R0805 1%
R3	1		100R resistor, metal film, 200V 0.25W R1206 1%
R4	1	(2, 3)	0R resistor, metal film, R1206
R6	1	optional	24K resistor, metal film, R0805, 100V 0.125W 1%
R9	1	(1, 4)	470R resistor, metal film, R0805, 100V 0.125W 1%
R10	1	(1, 4)	1K resistor, metal film, R0805, 100V 0.125W 1%
R17	1		0R resistor, metal film, R1206
T1	1	(1, 3, 4) (2)	Ns=16/9 turns transformer, Vogt, ferrite Fi324, EF16/4.7, ord. num. 545 23 249 00 Ns=14/11 turns transformer, Vogt, ferrite Fi324, EF16/4.7, ord. num. 545 23 249 00
U1	1		<b>STMicroelectronics VIPer12AS</b> , 730V 0.4A, 27R, f=60kHz, SO-8
U2	1	(1, 4)	<b>STMicroelectronics TS2431ILT</b> shunt ref. IC, 2.5V 1mA to 100mA 360mW 2%
U3	1	(2) (3b)	<b>STMicroelectronics L4931CD50</b> voltage reg., low drop, with inhibit, 5V, 250mA 4% <b>STMicroelectronics L78L05CD</b> positive voltage reg., 5V, 100mA 10%
U4	1	(3a)	<b>STMicroelectronics L78M05CDT</b> positive voltage reg., 5V, 0.5A 5%