

Bill of Materials

fsw = 1.5MHz						
Reference	Count	Part Number	Value	Description	Package	Manufacturer
U1	1	RT9492GQVF(2)	--	Switching charger	VQFN-29TL 4x4 (FC)	RICHTEK
C6, C8	2	GRM033R61C473KE84	47nF	Capacitor, Ceramic, 16V, X5R	C-0201	MURATA
C14, C15, C18, C32	4	0402B104K500CT	0.1μF	Capacitor, Ceramic, 50V, X7R	C-0402	WALSIN
C35	1	GRM155R60J475ME47D	4.7μF	Capacitor, Ceramic, 6.3V, X5R	C-0402	MURATA
C38, C39, C95, C96, C97	5	GRM188R61E106KA73	10μF	Capacitor, Ceramic, 25V, X5R	C-0603	MURATA
C41	1	0402B102K500CT	1nF	Capacitor, Ceramic, 50V, X7R	C-0402	WALSIN
C98, C99, C100, C101, C102	5	GRM188R6YA106MA73	10μF	Capacitor, Ceramic, 35V, X5R	C-0603	MURATA
D13	1	LNL-190SUG	--	LED_GREEN	LED-0603	LighTop
L2	1	PIMB063T-1R0MS-68	1μH	20%/6.7mΩ	L-7-4X6-8	CYNTEC
PD1	1	C-NBR2L-AK5322	--	USB TYPE-C 3.1	9.24x9.1mm	ADVANCED-CONNECTEK
Q1, Q2, Q3, Q4	4	AONR36366	--	MOS	DFN 3X3 EP	ALPHA & OMEGA SEMICONDUCTOR
Q6	1	AON7528	--	MOS	DFN 3.3X3.3 EP	ALPHA & OMEGA SEMICONDUCTOR
R15	1	WR06X1000FTL	100Ω	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R18	1	CR-02FL6---5K1	5.1kΩ	Resistor, Chip, 1/16W, 1%	R-0402	VIKING
R20	1	RTT032553FTP	255kΩ	Resistor, Chip, 1/10W, 1%	R-0603	RALEC
R21	1	WR06X1273FTL	127kΩ	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R23	1	WR06X1003FTL	100kΩ	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R24	1	WR06X3012FTL	30.1kΩ	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R25, R44, R45	3	WR04X1002FTL	10kΩ	Resistor, Chip, 1/10W, 1%	R-0402	WALSIN
R28	1	WR04X4701FTL	4.7kΩ	Resistor, Chip, 1/16W, 1%	R-0402	WALSIN

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R29	1	WR06X3001FTL	3kΩ	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R30	1	WR06X4701FTL	4.7kΩ	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R31	1	RC0603FR-076K04L	6.04kΩ	Resistor, Chip, 1/10W, 1%	R-0603	YAGEO
R32	1	WR06X8201FTL	8.2kΩ	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R33	1	WR06X1052FTL	10.5kΩ	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R34	1	WR06X1372FTL	13.7kΩ	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R35	1	RTT031742FTP	17.4kΩ	Resistor, Chip, 1/10W, 1%	R-0603	RALEC
R36	1	CR0603F27K0P05Z	27kΩ	Resistor, Chip, 1/10W, 1%	R-0603	EVER OHMS
S1	1	HTS6601H	--	SW-TACT-SWITCH	TACT-BTN	High-Tronics

More Information

For more information, please find the related datasheet or application notes from Richtek website <http://www.richtek.com>.

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