

Bill of Materials

fsw = 1.5MHz						
Reference	Count	Part Number	Value	Description	Package	Manufacturer
U1	1	RT9490WSC	--	Switching Charger	WL-CSP-56B 2.93x3.46 (BSC)	RICHTEK
C7, C18	2	GRM033R61C473KE84	47nF	Capacitor, Ceramic, 16V, X5R	C-0201	MURATA
C10, C13, C22, C23, C24	5	GRM188R6YA106MA73	10µF	Capacitor, Ceramic, 35V, X5R	C-0603	MURATA
C11, C25, C30	3	0402B104K500CT	0.1µF	Capacitor, Ceramic, 50V, X7R	C-0402	WALSIN
C26	1	GRM155R60J475ME47D	4.7µF	Capacitor, Ceramic, 6.3V, X5R	C-0402	MURATA
C27, C29, C31, C34, C36	5	GRM188R61E106MA73	10µF	Capacitor, Ceramic, 25V, X5R	C-0603	MURATA
C39	1	0402B102K500CT	1nF	Capacitor, Ceramic, 50V, X7R	C-0402	WALSIN
D18, D19	2	LNL-190SUG	--	LED_GREEN	LED-0603	LighTop
L2	1	PIMB063T-1R0MS-68	1µH	20%/6.7mΩ	L-7-4X6-8	CYNTEC
PD1	1	121U-3CST-09CR	--	USB TYPE-C 3.1	9.87x9.75mm	JEM
Q1, Q2, Q4, Q5	4	AONR36366	--	AONR36366	DFN 3x3 EP	ALPHA & OMEGA SEMICONDUCTOR
Q6	1	AON7528	--	AON7528	DFN 3.3x3.3 EP	ALPHA & OMEGA SEMICONDUCTOR
R12	1	WR06X000 PTL	0	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R13, R14	2	WR06X1000FTL	100	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R15	1	CR-02FL6---5K1	5.1k	Resistor, Chip, 1/16W, 1%	R-0402	VIKING
R16	1	RTT032553FTP	255k	Resistor, Chip, 1/10W, 1%	R-0603	RALEC
R17	1	WR06X1273FTL	127k	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R18, R21, R22, R27	4	WR04X1002FTL	10k	Resistor, Chip, 1/10W, 1%	R-0402	WALSIN
R23, R24	2	CR-02FL6---4K7	4.7k	Resistor, Chip, 1/16W, 1%	R-0402	VIKING

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R25	1	WR06X1003FTL	100k	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R26	1	WR06X3012FTL	30.1k	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R29	1	RTT033001FTP	3k	Resistor, Chip, 1/10W, 1%	R-0603	RALEC
R30	1	WR06X4701FTL	4.7k	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R31	1	RC0603FR-076K04L	6.04k	Resistor	R-0603	YAGEO
R32	1	WR06X8201FTL	8.2k	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R33	1	WR06X1052FTL	10.5k	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R34	1	WR06X1372FTL	13.7k	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R35	1	WR06X1742FTL	17.4k	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
R36	1	WR06X2702FTL	27k	Resistor, Chip, 1/10W, 1%	R-0603	WALSIN
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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