

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

fsw = 1.5MHz						
Reference	Count	Part Number	Value	Description	Package	Manufacturer
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>.

Important Notice for Richtek Evaluation Board

THIS DOCUMENT IS FOR REFERENCE ONLY, NOTHING CONTAINED IN THIS DOCUMENT SHALL BE CONSTRUED AS RICHTEK'S WARRANTY, EXPRESS OR IMPLIED, UNDER CONTRACT, TORT OR STATUTORY, WITH RESPECT TO THE PRESENTATION HEREIN. IN NO EVENT SHALL RICHTEK BE LIABLE TO BUYER OR USER FOR ANY AND ALL DAMAGES INCLUDING WITHOUT LIMITATION TO DIRECT, INDIRECT, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES.