

Bill of Materials

Reference	Count	Part Number	Value	Description	Package	Manufacturer
C1	1	1206B105K5	1 μ F	50V/X7R	1206	WALSIN
C2	1	1206B225K500CT	2.2 μ F	50V/X7R	1206	WALSIN
C507, C4081	2	0603B471K500CT	470pF	50V/X7R	0603	WALSIN
C4082, C4084, C4090, C4091	4	0603X105K250CT	1 μ F	25V/X5R	0603	WALSIN
C4085, C4089	2	C1608X7R1H104KT000N	0.1 μ F	50V/X7R	0603	TDK
C4086	1	UMK316AB7475KL-T	4.7 μ F	50V/X7R	1206	TAIYO YUDEN
C4087	1	GRM21BR71H105KA12L	1 μ F	50V/X7R	0805	MURATA
C4088	1	0402B104K500CT	0.1 μ F	50V/X7R	0402	WALSIN
D11, D12, D13	3	SX34	SX34	SX34	SMA/DO-214AC	PANJIT
LED1	1	LNL-191SUR	RED	LED_RED-0603	0603	LighTop
LED2	1	LNL-190SUG	GREEN	LED_GREEN-0603	0603	LighTop
Q1, Q4	2	2N7002K-T1-GE3	2N7002K-T1-GE3	2N7002K-T1-GE3	SOT-23	VISHAY
Q2, Q3	2	AO4403	AO4403	AO4403	SOIC-8	Alpha & Omega
Q5, Q6	2	AO3403	AO3403	AO3403	SOT-23-3L	Alpha & Omega
R7310, R7321	2	WR06X3093FTL	309k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R7311, R7404	2	RTT036653FTP	665k	Resistor, Chip, 1/10W, 1%	0603	RALEC
R7331, R7333, R7334, R7335, R7337, R7338, R7339, R7340, R7341, R7344, R7345, R7348, R7352, R7354, R7355, R7356, R7357, R7358	18	WR06X000 PTL	0	Resistor, Chip, 1/10W, 1%	0603	WALSIN

Reference	Count	Part Number	Value	Description	Package	Manufacturer
R7346, R7353, R7379, R7389, R7391, R7401, R7402	7	WR06X1002FTL	10k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R7347	1	WR06X1004FTL	1M	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R7349	1	WR06X1000FTL	100	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R7350, R7351, R7382	3	WR06X1003FTL	100k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R7359, R7383, R7393	3	RTT035622FTP	56.2k	Resistor, Chip, 1/10W, 1%	0603	RALEC
R7360, R7384, R7395	3	WR06X1433FTL	143k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R7361, R7385, R7394	3	WR06X3243FTL	324k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R7362, R7386, R7396	3	WR06X4533FTL	453k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R7363, R7387, R7397	3	RTT036493FTP	649k	Resistor, Chip, 1/10W, 1%	0603	RALEC
R7364, R7388, R7398	3	RTT038873FTP	887k	Resistor, Chip, 1/10W, 1%	0603	RALEC
R7377, R7378	2	WR06X2151FTL	2.15k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R7380, R7399, R7400	3	WR06X2001FTL	2k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R7381	1	WR06X2002FTL	20k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R7390, R7392	2	WR06X2202FTL	22k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R7403	1	WR06X4022FTL	40.2k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
U2	1	RT1719GQW	RT1719GQW	Sink Only Type-C Port Controller	WQFN-20L 3.5x3.5	RICHTEK
USB1	1	C-NBR2L-AK5320	USB TYPE-C	USB TYPE-C	9.24x9.1mm	ADVANCED- CONNECTEK

More Information

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

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