

**Bill of Materials**

VIN = 12V, ILED = 120mA, fsw = 280kHz						
Reference	Count	Part Number	Value	Description	Package	Manufacturer
U2	1	RT8575GQW	RT8575GQW	LED Dvrer	WDFN-16L 5x5	RICHTEK
C1	1	0603B104K500CT	100nF	Capacitor, Ceramic 50V/X7R	0603	WALSIN
C16	1	0603N101J500CT	100pF	Capacitor, Ceramic 50V/X7R	0603	WALSIN
CIN1	1	0603X105K250CT	1μF	Capacitor, Ceramic 25V/X5R	0603	WALSIN
C25, C35, COUT1, COUT2, COUT3, COUT4, COUT5, COUT6,	8	GRM32ER71H106KA12L	10μF	Capacitor, Ceramic 50V/X7R	1210	MURATA
D1	1	SR26	Schottky Diode 60V/2A	Schottky Diode 60V/2A	SMA/DO-214AC	PANJIT
L1	1	NRS8040T220MJGJ	22μH	Inductor, Isat = 2.4A, 66mΩ	8x8	TAIYO YUDEN
R1, R9	2	WR06X000 PTL	0	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R2	1	WR06X7501FTL	7.5k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R4	1	RTT032263FTP	226k	Resistor, Chip, 1/10W, 1%	0603	RALEC
R5	1	WR06X5601FTL	5.6k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R6	1	WR06X5102FTL	51k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R7	1	WR06X10R0FTL	10	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R8, R10	2	WR06X1001FTL	1k	Resistor, Chip, 1/10W, 1%	0603	WALSIN

## ***More Information***

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

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