

Bill of Materials

VIN = 3.8V, EN = 3.3V, fsw = 600kHz, ILED ^{max} = 20mA/Ch						
Reference	Count	Part Number	Value	Description	Package	Manufacturer
U1	1	RT4539WSC	RT4539WSC	Boost Converter with 6-CH LED Driver	WL-CSP-20B 1.71x2.371 (BSC)	RICHTEK
C1, C10	2	UMK316AB7475KL-T	4.7μF	Capacitor, Ceramic, 50V, X7R	1206	TAIYO YUDEN
C3, C8	2	00805B105K500CT	1μF	Capacitor, Ceramic, 50V, X7R	0805	WALSIN
C4, C5	2	UMK316BJ225KD-T	2.2μF	Capacitor, Ceramic, 50V, X5R	1206	TAIYO YUDEN
C13	1	0603X105K250CT	1μF	Capacitor, Ceramic, 25V, X7R	0603	WALSIN
D1	1	SR26	SR26	SR26	SMA/DO-214AC	PANJIT
L2	1	NR8040T068M	6.8μH	6.8μH	L-8x8	TAIYO YUDEN
R3	1	WR06X10R0FTL	10	10	0603	WALSIN
R5, R6	2	RTT034701FTP	4.7k	4.7k	0603	WALSIN
R7, R8	2	RTT031001FTP	1k	1k	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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