

Bill of Materials

VIN = 12V, VOUT = LED Load Board, IOUT = 20mA						
Reference	Count	Part Number	Value	Description	Package	Manufacturer
U2	1	RT4527AGQW	RT4527A	LED Driver	WQFN-20L 3.5x3.5	RICHTEK
C4	1	0603B104K500CT	100nF	Capacitor, Ceramic 50V/X7R	0603	WALSIN
C12	1	1206B105K500CT	1μF	Capacitor, Ceramic 50V/X7R	1206	WALSIN
C15	1	0603B102K500CT	1nF	Capacitor, Ceramic 50V/X7R	0603	WALSIN
COUT1, CVIN1	2	UMK316AB7475KL-T	4.7μF	Capacitor, Ceramic 50V/X7R	1206	TAIYO YUDEN
D2	1	SR26	60V/2A	D-SMA_DO-214AC	SMA/DO-214AC	PAN JIT
L1	1	LSXNH8080YKL100MJG	10μH	L-8x8		TAIYO YUDEN
R2, R7	2	WR06X1001FTL	1k	Resistor, Chip 0603	0603	WALSIN
R8, R9, R10, R20, R21, R25	6	WR06X000 PTL	0	Resistor, Chip 0603	0603	WALSIN
R11, R12	2	WR06X4701FTL	4.7k	Resistor, Chip 0603	0603	WALSIN
R19	1	RTT05000JTP	0	Resistor, Chip 0805	0805	RALEC
R26	1	WR06X10R0FTL	10	Resistor, Chip 0603	0603	WALSIN

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

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