

Bill of Materials

VIN = 12V, VOUT = 5.0V, IOUT = 0.5A, fsw = 500kHz						
Reference	Count	Part Number	Value	Description	Package	Manufacturer
U1	1	RT4813GQUF	RT4813GQUF	Step-Up Converter	UQFN-9L 2x2 (FC)	RICHTEK
C1, C2, C3, C4	4	JMK107BBJ226MA-T	22μF	22μF/6.3V/X5R	0603	TAIYO YUDEN
C6	1	0402X105K100CT	1μF	1μF/10V/X5R	0402	WALSIN
L1	1	SPM6530T-1R5M100	1.5μH	1.5μH/11A	6.5x7.1x3mm	TDK
R7	1	WR06X9093FTL	909k	909k	0603	WALSIN
R8	1	WR06X1003FTL	100k	100k	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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