

Bill of Materials

VIN = 12V, VOUT = 5.0V, IOUT = 2A, fsw = 650kHz						
Reference	Count	Part Number	Value	Description	Package	Manufacturer
U1	1	RT6252AHGJ6F	RT6252AHGJ6F	Step-Down Converter	TSOT 23-6	RICHTEK
C1,C2	2	GRM219R60J226ME47D	22μF	Capacitor, Ceramic, 6.3V, X5R	0805	MURATA
C4, C5	2	GRM21BR61E106KA73L	10μF	Capacitor, Ceramic, 25V, X5R	0805	MURATA
C6	1	0603B104K500CT	0.1μF	Capacitor, Ceramic, 50V, X7R	0603	WALSIN
CBOOT	1	C1608X7R1H104K080AA	100nF	Capacitor, Ceramic, 50V, X7R	0603	TDK
CFF	1	0603N220J500LT	47pF	Capacitor, Ceramic, 50V, NPO	0603	WALSIN
R1	1	WR06X1003FTL	100k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R2, RBOOT, RT	3	WR06X000 PTL	0k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
RFB1	1	WR06X5492FTL	54.9k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
RFB2	1	WR06X1002FTL	10k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
L1	1	LSXNH8080YBL4R7NJG	4.7μH	Inductor	L-8x8	TAIYO YUDEN

More Information

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

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