

## Bill of Materials

Reference	Qty	Part Number	Description	Package	Manufacturer
U4	1	RTQ2823AGQVF	Step-Down DC-DC Converter	VQFN-18L 3.5x3.5 (FC)	RICHTEK
C1, C2, C7, C15	4	0603B104K500CT	0.1 $\mu$ F, 50V, X7R	0603	WALSIN
C3, C4, C5, C6	4	GRM21BR61E226ME44L	22 $\mu$ F, 25V, X5R	0805	MURATA
C11, C12, C13, C14	4	GRM32ER61C476KE15L	47 $\mu$ F, 16V, $\pm$ 20%, X5R,	1210	MURATA
C16	1	0603N101J500CT	100pF, 50V, NPO	0603	MURATA
C17	1	GRM188R71C473KA01	0.047 $\mu$ F, 16V, $\pm$ 10%, X7R	0603	MURATA
C19	1	GRM188R61E475KE11D	4.7 $\mu$ F, 10V, $\pm$ 20%, X5R	0603	MURATA
L1	1	744311068	0.68 $\mu$ H, R <sub>DC</sub> = 3.1m $\Omega$	7.0x7.0x4.0	WURTH ELEKTRONIK
R1, R14 R16	3	WR06X000 PTL	RES, 0, 1%, 0.1W	0603	WALSIN
R13, R17	2	WR06X1002FTL	RES, 10k, 1%, 0.1W	0603	WALSIN
R18, R19 RPGOOD1	3	WR06X1003FTL	RES, 100k, 1%, 0.1W	0603	WALSIN
RMODE1	1	WR06X1203FTL	RES, 120k, 1%, 0.1W	0603	WALSIN
RMODE2	1	WR06X2002FTL	RES, 20k, 1%, 0.1W	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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