

Bill of Materials

Reference	Qty	Part Number	Description	Package	Manufacturer
U4	1	RTQ2822AGQVF	Step-Down DC-DC Converter	VQFN-18L 3.5x3.5 (FC)	RICHTEK
C1, C2, C7, C15	4	0603B104K500CT	0.1 μ F, 50V, X7R	0603	WALSIN
C3, C4, C5, C6	4	GRM21BR61E226ME44L	22 μ F, 25V, X5R	0805	MURATA
C11, C12, C13, C14	4	GRM32ER61C476KE15L	47 μ F, 16V, \pm 20%, X5R,	1210	MURATA
C16	1	0603N101J500CT	100pF, 50V, NPO	0603	MURATA
C17	1	GRM188R71C473KA01	0.047 μ F, 16V, \pm 10%, X7R	0603	MURATA
C19	1	GRM185R61A475KE11	4.7 μ F, 10V, \pm 20%, X5R	0603	TDK
L1	1	744311068	0.68 μ H, R _{DC} = 3.1m Ω	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>.

Important Notice for Richtek Evaluation Board

THIS DOCUMENT IS FOR REFERENCE ONLY, NOTHING CONTAINED IN THIS DOCUMENT SHALL BE CONSTRUED AS RICHTEK'S WARRANTY, EXPRESS OR IMPLIED, UNDER CONTRACT, TORT OR STATUTORY, WITH RESPECT TO THE PRESENTATION HEREIN. IN NO EVENT SHALL RICHTEK BE LIABLE TO BUYER OR USER FOR ANY AND ALL DAMAGES INCLUDING WITHOUT LIMITATION TO DIRECT, INDIRECT, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES.