

**Bill of Materials**

Reference	Qty	Part Number	Description	Package	Manufacture
U1	1	RT8298AGSP	DC/DC Converter	SOP-8 (Exposed Pad)	RICHTEK
C1, C2	2	GRM31CR71E106KA12L	10 $\mu$ F/25V/X7R	C-1206	MURATA
C3, C7	2	C1608X7R1H104KT000N	0.1 $\mu$ F/50V/X7R	C-0603	TDK
C4, C5, C6	3	C3225X5R1E226MT	22 $\mu$ F/25V/X5R	C-1210	TDK
R4, D2, C13, R7, C8, C12	6		N/A		
C14, C11	2	C1608X5R1E105KT000E	1 $\mu$ F/25V/X5R	C-0603	TDK
R5	1		100k	R-0603	
R6, R8	2		0	R-0603	
R1	1		62k	R-0603	
R2	1	NR8040T1R4N	20k	R-0603	
L1	1	7443340220	2.2 $\mu$ F/16.5A	8.4 x 7.9 mm	WE
U2	1	IRF7821	30V/13.6A	R-0603	FUTURE ELECTRONICS INC.

**More Information**

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

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