

Bill of Materials

Reference	Qty	Part number	Description	Package	Manufacture
U1	1	RT7243GQW	DC-DC Converter	WQFN-14AL 3.5x3.5	RICHTEK
C4	1	C3216X5R1H106K160AB	10 μ F/ \pm 10%/50V/X5R Ceramic Capacitor	1206	TDK
C2, C5, C6	3	GRM32ER61C226KE20#	22 μ F/ \pm 10%/16V/X5R Ceramic Capacitor	1210	Murata
CSS	1	GRM32MR71H103KA01#	10nF/ \pm 10%/50V/X7R Ceramic Capacitor	0603	Murata
C _{COMP1}	1	GRM31CR71A822KA01	8.2nF/ \pm 10%/50V/X7R Ceramic Capacitor	0603	Murata
C _{COMP2}	1	0603B181K500CT	180pF/ \pm 10%/50V/X7R Ceramic Capacitor	0603	WALSIN
C3, C7, CBOOT	3	C1608X7R1H104K080AA	0.1 μ F/ \pm 10%/50V/X7R Ceramic Capacitor	0603	TDK
C1, CFF, C2F, CEN, REN2, RTR1, RTR2, RPG2, D1	0		Not Installed	0603	
L1	1	NR8040T1R4N	1.4 μ H/9.0A/ \pm 30%, DCR=7m Ω , Inductor	8mmx8mmx4mm	TAIYO YUDEN
R1	1		6k Ω / \pm 1%, Resistor	0603	
R2	1		24k Ω / \pm 1%, Resistor	0603	
RCOMP	1		0.68k Ω / \pm 1%,	0603	
RT, REN1, RPG1	3		100k Ω / \pm 1%,	0603	
JP1	1		2-Pin Header		
JP2, J9	2		3-Pin Header		
GP	11	VIN_EXT, BS, SS, TRACK, EN, LX, SYNC, PG, VCC_EXT, VIN, GND	Golden Pin		
J3, J4	2	VOUT, GND	Test Pin		

More Information

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

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