

Bill of Materials

Reference	Qty	Part number	Description	Package	Manufacture
U5	1	RT7231GQW	DC/DC Converter	WDFN-10L 3x3	Richtek
C7,C9	2	C3216X5R1H106K160AB	10 μ F/ \pm 10%/50V/X5R Ceramic Capacitor	1206	TDK
C11,C12	2	GRM32ER61C226KE20#	22 μ F/ \pm 10%/16V/X5R Ceramic Capacitor	1210	Murata
C28	1	0603B392K500	3.9nF/ \pm 10%/50V/X7R Ceramic Capacitor	0603	WALSIN
C8,C10,C27	3	C1608X7R1H104K080AA	0.1 μ F/ \pm 10%/50V/X7R Ceramic Capacitor	0603	TDK
C29	1	C1608X5R1E105K080AC	1 μ F/ \pm 10%/25V/X5R Ceramic Capacitor	0603	TDK
C30	0		Not Installed	0603	
L1	1	NR8040T1R4N	1.4 μ H/7A/ \pm 30%, DCR=7m Ω , Inductor	8mmx8mmx4mm	TAIYO YUDEN
L2	0		Not Installed		
R28	1		22k/ \pm 5%, Resistor	0603	
R23	1		8.2k/ \pm 5%, Resistor	0603	
R29	1		10k/ \pm 5%, Resistor	0603	
R30	1		100k/ \pm 5%, Resistor	0603	
CP1	1		0 (Short)		
JP1	1		3-Pin Header		
TP1/2/3/4/5/6	6		Test Pin		
GP	5		Golden 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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