

Bill of Materials

Reference	Qty	Part number	Description	Package	Manufacture
U5	1	RT7236GQW	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>.

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.