

Bill of Materials

Reference	Qty	Part Number	Description	Package	Manufacture
C1, C2, C10	3	UMK325BJ106MM	10 μ F/X5R/50V/1206	C-1206	TAIYO YUDEN
C3, C7, C9	3	C1608X7R1H104KT000N	0.1 μ F/X7R/50V/0603	C-0603	TDK
C4, C5, C8	3	C3225X5R1E226MT	22 μ F/X5R/25V/1210	C-1210	TDK
C6	1		NC/1210		
C11, C16	2	0603B472K500	4.7nF/X7R/50V/0603	C-0603	WALSIN
C12, C19	2		NC/0603		
C14, C15	2	C1608X5R1E105KT000E	1 μ F/X5R/25V/0603	C-0603	TDK
C17	1		NC		
C18, C20	2	C1608X7R1H104KT000N	0.1 μ F/X7R/50V/0603	C-0603	TDK
C3_1	1		NC		
GP1	1		EN		
GP3, GP4, GP8	3		GND		
GP5	1		Vin		
GP6	1		Vout		
GP7	1		SW_OUT		
GP9	1		SW_IN_S		
GP10	1		SS		
GP14	1		SW		
GP15	1		V5V		
GP16	1		nFAULT		
GP17	1		BOOT		
GP11	1		RSOC		
GP12	1		RLIM		
GP13	1		ENSW		
JP1	1		SW_IN		
J1	1		Vin, GND		
L2	1	NR8040T4R7N	4.7 μ H		TAIYO YUDEN
R1	1	0603 40K2 1%	40.2k/0603	R-0603	
R2	1		7.68k/0603	R-0603	
R3	1		20k/0603	R-0603	
R4	1		53.6k/0603	R-0603	
R5	1		10k/0603	R-0603	
R6, R7, R8	3		100k/0603	R-0603	
U1	1	RT7249GQW	DC/DC Converter	WQFN-16L 4x4	RICHTEK
Z1, Z2, Z3, Z4	4		SIP-1P-M		
Z11, Z12, Z13, Z14	4		FK_1		

More Information

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

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