

Bill of Materials

Reference	Qty	Part Number	Description	Package	Manufacturer
U1	1	RT2825GQV(2)	DC-DC Converter	VQFN-36L 6x6	RICHTEK
C1, C28	2	0603B822K500CT	8.2nF/50V/X7R	C-0603	WALSIN
C2, C25	2	C1608X7R1H103KT000N	10nF/50V/X7R	C-0603	TDK
C3, C4, C26, C27	4	0603B181K500CT	180pF/50V/X7R	C-0603	WALSIN
C5	1	TMK107BJ105KA-T	1μF/25V/X5R	C-0603	TAIYO YUDEN
C6, C7, C8, C21, C22	5	GRM31CR71E106KA12L	10μF/25V/X7R	C-1206	muRata
C9, C10, C11, C12, C17, C18, C19, C20, C31, C32	10	GRM31CR61C226KE15L	22μF/16V/X5R	C-1206	muRata
C13, C15	2	GRM188R71H104KA93D	100nF/50V/X7R	C-0603	muRata
C23, C24	2	C3216X5R1H106K160AB	10μF/50V/X5R	C-1206	TDK
L1, L2	2	7443330220	2.2μH	L-8-4x7-9	WURTH ELEKTRONIK
R1, R4, R5, R10, R11, R14	6	WR06X1003FTL	100k	R-0603	WALSIN
R2, R13	2	WR06X6042FTL	60.4k	R-0603	WALSIN
R3, R12	2	RTT032101FTP	2.1k	R-0603	RALEC
R6, R9	2	WR06X2402FTL	24k	R-0603	WALSIN
R7, R8	2	RTT034752FTP	47.5k	R-0603	RALEC

More Information

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

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