

Bill of Materials

Reference	Qty	Part Number	Description	Package	Manufacturer
U1	1	RT9116GQW	10W stereo Class-D Speaker Amplifier	WQFN-28L 4x5	Richtek
CT1, CT2	2	CT100F	100 μ F/50V	EC-2P_8	JACKCON
C1, C6, C12, C16	4	C1608X5R1C224K	0.22 μ F/16V/X5R	C-0603	TDK
C2, C9, C13, C18	4	C1608X5R1H222K	2.2nF/50V/X5R	C-0603	TDK
C3, C7	2	C1608X5R1H102K	1nF/50V/X5R	C-0603	TDK
C4, C8, C25, C28, C29	5	C1608X5R1H104K	0.1 μ F/50V/X5R	C-0603	TDK
C10, C11, C21	3	C1608X5R1H105K	1 μ F/50V/X5R	C-0603	TDK
C15, C17, C19, C20	4	C1608X5R1E105K	1 μ F/25V/X5R	C-0603	TDK
C22, C27	2	C1608X5R1E104K	0.1 μ F/25V/X5R	C-0603	TDK
C23	1	C2012X5R1C225K	2.2 μ F/16V/X5R	C-0805	TDK
C26	1	C2012X5R1C106K	10 μ F/16V/X5R	C-0805	TDK
FB1, FB3, FB5, FB6	4	UPZ2012E601-2R0TF	600 Ω \pm 25%	0805	Sunlord
FB2, FB4	2	RTT05000JTP	0R/0805/ \pm 5%	R-0805	Ralec
FB7, R10, R11, R12, R13	5	WR06X000PTL	0R/0603/ \pm 1%	R-0603	WALSIN
R1	1	WR08X10R0FTL	10R/0805/ \pm 1%	R-0805	WALSIN
R2, R3, R6	3	WR06X1003FTL	100K/0603/ \pm 1%	R-0603	WALSIN
R4, R7	2	WR06X1503FTL	150K/0603/ \pm 1%	R-0603	WALSIN
R5	1	RTT034992FTP	49.9K/0603/ \pm 1%	R-0603	Ralec
R8	1	WR06X2003FTL	200K/0603/ \pm 1%	R-0603	WALSIN
R9	1	WR06X2492FTL	24.9K/0603/ \pm 1%	R-0603	WALSIN
R14	1	WR06X4993FTL	499K/0603/ \pm 1%	R-0603	WALSIN

More Information

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

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