

**Bill of Materials**

Reference	Qty	Part number	Description	Package	Manufacturer
U1	1	RT9118GQW	10W stereo Class-D Speaker Amplifier	WQFN-28L 4x5	Richtek
CT1, CT2	2	CT100F	100 $\mu$ F/50V	EC-2P_8	JACKCON
C1, C6, C12, C16	4	C1608X5R1C224K	0.22 $\mu$ 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 $\mu$ F/50V/X5R	C-0603	TDK
C10, C11, C21	3	C1608X5R1H105K	1 $\mu$ F/50V/X5R	C-0603	TDK
C15, C17, C19, C20	4	C1608X5R1E105K	1 $\mu$ F/25V/X5R	C-0603	TDK
C22, C27	2	C1608X5R1E104K	0.1 $\mu$ F/25V/X5R	C-0603	TDK
C23	1	C2012X5R1C225K	2.2 $\mu$ F/16V/X5R	C-0805	TDK
C26	1	C2012X5R1C106K	10 $\mu$ F/16V/X5R	C-0805	TDK
C31, C32	2	C1608X5R1H103K	10nF/50V/X5R	C-0603	TDK
FB1, FB3, FB5, FB6	4	UPZ2012E601-2R0TF	600 $\Omega$ $\pm$ 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
J1	1	Headphone Jack	Headphone_Out	LJE0364-5	Lih Sheng
R1	1	WR08X10R0FTL	10R/0805/ $\pm$ 1%	R-0805	WALSIN
R2, HR2, R3, R6	4	WR06X1003FTL	100K/0603/ $\pm$ 1%	R-0603	WALSIN
R4, R7	2	WR06X1503FTL	150K/0603/ $\pm$ 1%	R-0603	WALSIN
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
HR1	1	WR06X1002FTL	10K/0603/ $\pm$ 1%	R-0603	WALSIN
HR3, R5	2	RTT034992FTP	49.9K/0603/ $\pm$ 1%	R-0603	Ralec
HR4, HR5	2	WR06W2R20FTL	2.2R/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>.

### ***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.