

**Bill of Materials**

VIN = 12V, VOUT = 5.0V, IOUT = 1.5A, fsw = 500kHz						
Reference	Count	Part Number	Value	Description	Package	Manufacturer
U1	1	RTQ6361GQW	RTQ6361GQW	Step-Down Converter	WDFN-10SL 3x3	RICHTEK
C3, C4	2	HMK316AC7225KLHTE	2.2μF	Capacitor, Ceramic, 100V, X7R	1206	Taiyo Yuden
C5	1	0603B182K500CT	1.8nF	Capacitor, Ceramic, 50V, X7R	0603	WALSIN
C6	1	0603N180J500CT	18pF	Capacitor, Ceramic, 50V, NPO	0603	WALSIN
C7	1	GRM32ER61C476KE15L	47μF	Capacitor, Ceramic, 16V, X5R	1210	MURATA
C11	1	C1608X7R1H104KT	0.1μF	Capacitor, Ceramic, 50V, X7R	0603	TDK
CBOOT	1	C1608X7R1H104KT	0.1μF	Capacitor, Ceramic, 50V, X7R	0603	TDK
CSS	1	C1608X7R1H103KT000N	10nF	Capacitor, Ceramic, 50V, X7R	0603	TDK
D1	1	SS26	Schottky Diode, 60V/2A	Schottky Diode, 60V/2A	SMB	ON Semiconductor
L1	1	ETQP3M150KVN	15μH	Inductor, Isat = 5.1A, 99.2mΩ		Panasonic
R1	1	WR06X5232FTL	52.3k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R2, R8	2	WR06X1002FTL	10k	Resistor, Chip, 1/10W, 1%	0603	WALSIN
R3	1	WR06X5602FTL	56k	Resistor, Chip, 1/10W, 1%	0603	RALEC
R7, RBOOT	2	WR06X000 PTL	0	Resistor, Chip, 1/10W, 1%	0603	WALSIN
RT	1	RTT032323FTP	232k	Resistor, Chip, 1/10W, 1%	0603	RALEC

**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.