

**Bill of Materials**

Reference	Qty	Part number	Description	Package	Manufacture
U2	1	RT8555	LED Driver	WL-CSP-20B 1.65 x 2.05 (BSC)	RICHTEK
C1, CCP	1	C2012X7R1E105KT	1 $\mu$ F/50V/X7R Ceramic Capacitor	0805	TDK
CIN3	1	GRM31CR71H475KA12L	4.7 $\mu$ F/50V/X7R Ceramic Capacitor	1210	MURATA
COUT2, COUT3, COUT4	3	UMK316BJ225KD-T	2.2 $\mu$ F/50V/X5R Ceramic Capacitor	1206	TAIYO
D2	1	SR26	Schottky diodes	SMB/DO-214	PANJIT
L1	1	NR8040T6R8N	6.8 $\mu$ H/3.4A DCR = 25m $\Omega$ , Inductor	L-NR8040	TAIYO
R1	1		10 $\Omega$ ±1%, Resistor	0603	
R2, R3, R4, R5, R6, R7, R8, R9, R11, R12	10		0 $\Omega$ , Resistor	0603	
COUT1, CIN1, CIN2, COUT5, C2, C3, C4, C5, C6, L2, R14, R15	0		Not Installed		
J1	1		4 x 2 Pin Header		
J2, J5	2		3- Pin Header		
TP1, TP2, TP3, Z3, Z5, Z7, Z8	7	PWM, EN, LX, SDA, SCL, VCP, VIN_1	Test Pin		
GP1, GP2, GP3, GP4, GP5, GP6, GP7, GP8, GP9, GP10, GP11, GP12	12	VOUT, VIN, GND, LED1, LED2, LED3, LED4, LED5, LED6	Golden Pin		

**More Information**

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

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