

# STEVAL-TLL003V1

## Bill of materials

Symbol	Parameter	Type	Supplier and Part No.	Values			Unit
				Min.	Typ.	Max.	
LED	Luxeon LED	PWF1	LXCL-PW1				
NTC	Negative thermistor	(0805)	NCP21WF104J03RA		100		KOhm
R <sub>FL</sub>	Sensing flash current resistor	Thick film type (0603)	Tyco electronic RL73K1JR27JTD (5%)		0.27		Ohm
R <sub>TR</sub>	Sensing torch current resistor	Thick film type (0402)	ROHM MCR01MZPJ6R20 (5%)		6.2		Ohm
R <sub>MF</sub>	Setting resistor for middle flash mode	Thick film type (0402)	ROHM MCR01MZSF1K10 (1%)		1100		Ohm
R <sub>X</sub>	Setting resistor for NTC	Thick film type (0402)	ROHM MCR01MZPJ15K (5%)		15		KOhm
C <sub>IN</sub>	Input filtering capacitor	Ceramic type (0603) 6.3V	TDK C1608X5R0J106MT		10	2x10	μF
C <sub>OUT</sub>	Output capacitor	Ceramic type (0603) 6.3V	TDK C1608X5ROJ106MT		10		μF
L	Inductor	Low profile inductor shielded 3.5(L) x 3.7 (W) x 1.2 (L)	TDK VFL1412AT-4R7M1R1		4.7		μH
		DCR			0.14		Ohm
		Isat			1.1		A
C1	Filtering capacitor	Ceramic type (0402)	TDK C1005C0J1H470J		47		pF