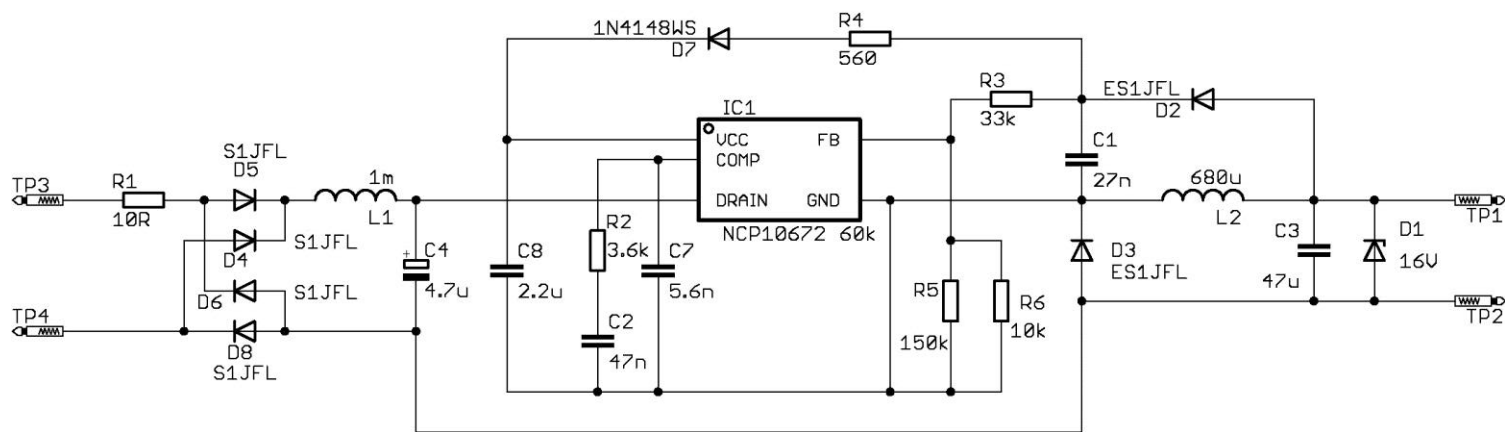




Schematic for NCP10672B15GEVB the Evaluation Board





Bill of Materials for the NCP10672B15GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	CAPACITOR	27 nF	10%	0603	Kemet	C0603C273K5RACTU	Yes	Yes
C2	1	CAPACITOR	47 nF	10%	0603	Kemet	C0603C473K5RACTU	Yes	Yes
C3	1	CAPACITOR	47 uF	20%	1210	Taiyo Yuden	TMK325ABJ476MM-P	Yes	Yes
C4	1	ELECTROLYTIC CAPACITOR	4.7 µF / 400 V	20%	HOLE	Kemet	ESE475M400AH1AA	Yes	Yes
C7	1	CAPACITOR	5.6 nF	10%	0603	Kemet	C0603C562K5RACTU	Yes	Yes
C8	1	CAPACITOR	2.2 uF	20%	0603	TDK	C1608JB1E225M080AB	Yes	Yes
R1	1	RESISTOR	10 Ω	5%	0207	Yageo	KNP1WSJT-52-10R	Yes	Yes
R2	1	RESISTOR	3.6 kΩ	1%	0603	Yageo	RT0603FRE073K6L	Yes	Yes
R3	1	RESISTOR	33 kΩ	1%	0603	Yageo	RT0603FRE0733KL	Yes	Yes
R4	1	RESISTOR	560 Ω	1%	0603	Yageo	RT0603FRE07560L	Yes	Yes
R5	1	RESISTOR	150 kΩ	1%	0603	Yageo	RT0603FRE07150KL	Yes	Yes
R6	1	RESISTOR	10 kΩ	1%	0603	Yageo	RT0603FRE0710KL	Yes	Yes
D1	1	ZENER DIODE	MMSZ16	5%	SOD123	ON Semiconductor	MMSZ16T1G	No	Yes
D2, D3	2	DIODE	ES1JFL	-	SOD123	ON Semiconductor	ES1JFL	No	Yes
D4, D5, D6, D8	4	DIODE	S1JFL	-	SOD123	ON Semiconductor	S1JFL	No	Yes
								No	Yes
D7	1	DIODE	1N4148WS	-	SOD323FL	ON Semiconductor	1N4148WS		
IC1	1	SWITCHER	NCP10672	-	SOIC7	ON Semiconductor	NCP10672BD060R2G	No	Yes
L1	1	INDUCTOR	1.0 mH	20%	SMD/SMT	Würth Elektronik	744777930	No	Yes
								No	Yes
L2	1	INDUCTOR	680 uH	20%	SMD/SMT	Würth Elektronik	7687709681		
BOARD STANDOFF	4	HEX STANDOFF M3 NYLON	8.0 mm	-	-	Harwin	R30-1610800	Yes	Yes