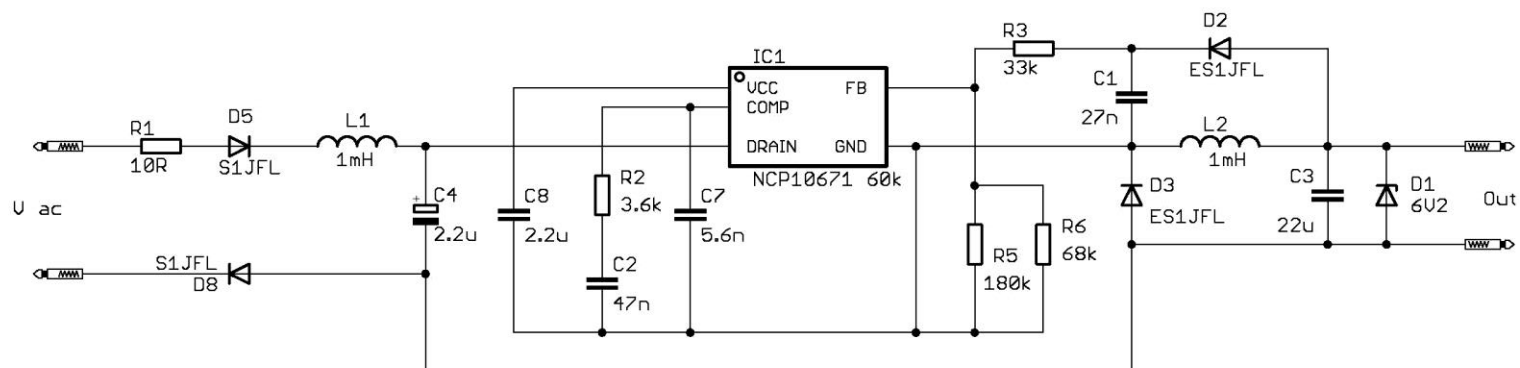




Schematic for the NCP10671B05GEVB Evaluation Board





Bill of Materials for the NCP10671B05GEVB 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	22 uF	20%	1206	Murata Electronics	GRT31CC81C226ME01L	Yes	Yes
C4	1	ELECTROLYTIC CAPACITOR	2.2 uF / 400 V	20%	HOLE	Yageo	SE400M2R20B3S-0811	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
R5	1	RESISTOR	180 kΩ	1%	0603	Yageo	RT0603FRE07180KL	Yes	Yes
R6	1	RESISTOR	68 kΩ	1%	0603	Yageo	RT0603FRE0768KL	Yes	Yes
D1	1	ZENER DIODE	MM3Z6V2	5%	SOD323	ON Semiconductor	MM3Z6V2	No	Yes
D2, D3	2	DIODE	ES1JFL	-	SOD123	ON Semiconductor	ES1JFL	No	Yes
D5, D8	2	DIODE	S1JFL	-	SOD123	ON Semiconductor	S1JFL	No	Yes
IC1	1	SWITCHER	NCP10671	-	SOIC7	ON Semiconductor	NCP10671BD060R2G	No	Yes
L1, L2	1	INDUCTOR	1.0 mH	20%	SMD/SMT	Würth Elektronik	744777930		
STANDOFF	4	HEX STANDOFF M3 NYLON	8.0 mm	-	-	Harwin	R30-1610800	Yes	Yes