



Bill of Materials for the NCP382HMN20AGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	0	DNP	-	-	-	-	-	Yes	Yes
C2	1	Input Decoupling Capacitor	100µF, X7R, 6.3V	20%	1206	Murata	GRM31CR60J107ME39L	Yes	Yes
C3	0	DNP	-	-	-	-	-	Yes	Yes
C4	1	Output 1 Decoupling Capacitor	100µF, X7R, 6.3V	20%	1206	Murata	GRM31CR60J107ME39L	Yes	Yes
C5	0	DNP	-	-	-	-	-	Yes	Yes
C6	1	Output 2 Decoupling Capacitor	100µF, X7R, 6.3V	20%	1206	Murata	GRM31CR60J107ME39L	Yes	Yes
R1	1	Flag1 Pin Pull-Up Resistor	10kΩ, 1/8W	5%	0805	Yageo	RC0805JR-0710KL	Yes	Yes
R2	1	Flag2 Pin Pull-Up Resistor	10kΩ, 1/8W	5%	0805	Yageo	RC0805JR-0710KL	Yes	Yes
R3	1	EN1 Serial Resistor	10kΩ, 1/8W	5%	0805	Yageo	RC0805JR-0710KL	Yes	Yes
R4	1	EN2 Serial Resistor	10kΩ, 1/8W	5%	0805	Yageo	RC0805JR-0710KL	Yes	Yes
Flag Pull Up 1	1	90° Flag Switch	-	-	-	FCI, Harwin	77311-818-36LF, M7567-05	Yes	Yes
Flag Pull Up 2	1	90° Flag Switch	-	-	-	FCI, Harwin	77311-818-36LF, M7567-05	Yes	Yes
Pull Down/Up 1	1	90° Enable Switch	-	-	-	EAO	09.10290.01	Yes	Yes
Pull Down/Up 2	1	90° Enable Switch	-	-	-	EAO	09.10290.01	Yes	Yes
U1	1	2-Channel Current-Limiting Power Distribution Load Switch, 1.0 A, Enable H	-	-	DFN-8	On Semiconductor	NCP382HMN20AATXG	No	Yes
J1, J2	2	Ground Jumpers	-	-	Strap	Mill-Max Manufacturing Corp.	3360-4-14-21-00-00-08-0	Yes	Yes
TP	8	Test Points: EN1, EN2, Vcc, Flag1, Flag2, Input, OUT1, OUT2	-	-	0.38mm x 0.81mm	Keystone Electronics	5010	Yes	Yes