



Bill of Materials for the NCP3133AGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C01	0	DNP	DNP	DNP	DNP	DNP	DNP	DNP	DNP
C02,C05,C14,C15	4	C Decoupling	0.1uF	±10%	0603	MURATA	GRM39X7R104K016AD	YES	YES
C03	1	C Compensation	100pF	±5%	0603	AVX	06035A101JAT2A	YES	YES
C04,C09	2	C Compensation	2200pF	±10%	0603	VITRAMON	VJ0603Y222KXMAAT	YES	YES
C06,C07,C08,C11,C12,C13	6	C Decoupling	22µF,6.3V	±20%	0805	MURATA	GRM21BR60J226ME39L	YES	YES
C10	1	C Decoupling	4.7µF,6.3V	±20%	0603	MURATA	GRM188R61A475KE15D	YES	YES
D1	1	LED Green	-	-	0805	LITE-ON	LTST-C170GKT	YES	YES
JP1,JP3	2	2PIN/TERM BLK	-	-	Through hole	PHOENIX CONTACT	1727010	NO	YES
J1,J3,J6,J7,J9,J10,J11,J12,J13,J14	10	2PIN 1ROW	-	-	Through hole	MOLEX	22-03-2021	YES	YES
L1	1	INDUCTOR	1uH	±10%	7"x7"x3"	Coiltronics	HCM0503-1R0-R	YES	YES
Q3	1	FET	-	-	SOT23	ON SEMICONDUCTOR	2N7002LT1G	YES	YES
RS1	1	CURRENT SENCE RESISTOR	0.01, 1W, 1%	±1%	2512	Panasonic	KRL3264-C-R010-F-T1	YES	YES
R01,R04	2	Pull-up Resistors	10.0K	±1%	0603	DALE	CRCW060310K0FRT1E3	YES	YES
R02	1	BST Resistor	0Ω	±1%	0603	DALE	CRCW0603000ZTE3	YES	YES
R03	1	Pull-up Resistor	301Ω,0.1W	±1%	0603	DALE	CRCW0603301RFRT1E3	YES	YES
R05,R6_2,R08	3	Compensation and FB divider resistors	4.02K	±1%	0603	DALE	CRCW06034K02FKEA	YES	YES
R16	1	R Compensation	20Ω	±1%	0603	DALE	CRCW060320R0FKEA	YES	YES
R17	1	R Body	49.9Ω	±1%	0603	DALE	CRCW060349R9FKEA	YES	YES
R19	1	R PS	24.3K	±1%	0603	DALE	CRCW060324K3FKEA	YES	YES
R06_1	1	R FB	4.99K	±1%	0603	DALE	CRCW06034K99FKEA	YES	YES
R06_3	1	R FB	2.67K	±1%	0603	DALE	CRCW06032K67FKEA	YES	YES
R6_4	1	R FB	2.00K	±1%	0603	DALE	CRCW06032K00FKEA	YES	YES
R6_5	1	R FB	1.27K	±1%	0603	DALE	CRCW06031K27FKEA	YES	YES
R6_6	1	R FB	887	±1%	0603	DALE	CRCW0603887RFKEA	YES	YES
TP1,TP2,TP4,TP6,TP7,TP8,TP9,TP11,TP12,TP13,TP14,TP15,TP17,TP18,TP19,TP20,TP21	17	TP	-	-	Through hole	MILL-MAX	PMR26	YES	YES
U1	1	Controller IC	-	-	QFN-16	ON SEMICONDUCTOR	NCP3133A	NO	YES