



## Bill of Materials for the NCP3125CRAGEVB

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C11 CBST	2	SMT Ceramic Capacitor	10nF	5%	0603	TDK	C1608C0G1E103J	YES	YES
CC	1	SMT Ceramic Capacitor	1.8nF	±10%	0603	AVX	06035C182KAT2A	YES	YES
CHF CSN	2	SMT Ceramic Capacitor	1nF	10%	0603	AVX	06035C102KAT2A	YES	YES
CF	1	SMT Ceramic Capacitor	820pF	10%	0603	AVX	06035C821KAT2A	YES	YES
C10	1	SMT Ceramic Capacitor	1uF	10%	0603	AVX	06033D105KAT2A	NO	YES
CP	1	SMT Ceramic Capacitor	68pF	±5%	0603	AVX	06035A680JAT2A	YES	YES
CP1	1	SMT Ceramic Capacitor	470nF	±10%	0603	TDK	C1608X5R1A474K	YES	YES
C1-2	2	SMT Ceramic Capacitor	22uF	±10%	1210	TDK	C3225X7R1C226K	YES	YES
C3-4	2	Ceramic Chip Capacitor	22uF	±20%	0805	TDK	C2012X5R0J226M	YES	YES
D1-2	2	Switching Diode	100mA 30V	NA	SOD-123	ON Semiconductor	BAT54T1G or MBR0530T1G	NO	YES
BODE COMP G1	11	PRINTED CIRCUIT PIN	NA	NA	59 Mill	Tyco Electronics	60599-3	YES	YES
LOUT	1	INDUCTOR, SM	5.5uH	20%	(10.2x 10.5 x 4.5)mm	Würth	744325550	NO	YES
U1	1	Asynchronous PWM Switching Convert	350kHz 0.8V	NA	SOIC-8	ON Semiconductor	NCP3125	NO	YES
RC1	1	SMT Resistor	10R	±1.0%	0603	Vishay / Dale	CRCW060310R0FKEA	YES	YES
R3	1	SMT Resistor	20	±1.0%	0603	Vishay / Dale	CRCW060320R0FKEA	YES	YES
RSET	1	SMT Resistor	39K	±1.0%	0603	Vishay / Dale	CRCW060339K0FKEA	YES	YES
R2	1	SMT Resistor	49.9k	±1.0%	0603	Vishay / Dale	CRCW060349K9FKEA	YES	YES
R1	1	SMT Resistor	107k	±1.0%	0603	Vishay / Dale	CRCW0603107KFKEA	YES	YES
RC	1	SMT Resistor	4.42k	±1.0%	0603	Vishay / Dale	CRCW06034K42FKEA	YES	YES
RSN	1	Resistor	100R	±1.0%	1206	Vishay / Dale	CRCW1206100RFKEA	YES	YES