



Bill of Materials for NCP1680_58921_51530CrMDC Rev 1.1

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	CAP, SMD, CERAMIC, 25V, X5R	3.3uF	10%	603	TDK	C1608X5R1E335K080AC	Yes	Yes
C10 C15	2	CAP, SMD, CERAMIC, 25V, X5R	2.2uF	20%	603	Murata	GRM188R61E225MA12D	Yes	Yes
C13-14	2	CAP CER 10PF 50V C0G/NPO 0603	10pF	2%	603	Yageo	CC0603GRNPO9BN100	Yes	Yes
C2-4 C12	4	CAP, SMD, CERAMIC, 25V, X7R	0.1uF	10%	603	Yageo	CC0603KRX7R8BB104	Yes	Yes
C5-6	2	CAP CER 0.1UF 630V 10% X7R 1210	0.1uF	10%	1210	Kemet	C1210C104KBRAC7800	Yes	Yes
C7-8	2	CAP, SMD, CERAMIC, 50V, NPO	47pF	5%	402	Murata	GRM1555C1H470JA01D	Yes	Yes
C9 C11	2	CAP, SMD, CERAMIC, 25V, X7R	1uF	10%	603	Murata	GCM188R71E105KA64D	Yes	Yes
D1	1	DIODE FAST REC 1A 600V	ES1J		SMA	onsemi	ES1J	No	Yes
J1 J3-6	5	Testpin, Gold, Pin 0.40mil, Post 0.28			Thru-Hole	Keystone	1352-1	Yes	Yes
Q1-2	2	DrGaN, Single 650V	NCP58921		TQFN26 8x8	onsemi	NCP58921	No	Yes
R1	1	RES, SMD, 1/10W	2	1%	603	TE Connectivity	CPF0603F2R0C1	Yes	Yes
R2 R4	2	RES, SMD, 1/10W	10	1%	603	Yageo	RT0603FRE0710RL	Yes	Yes
R3 R5	2	RES, SMD, 1/10W	24.9	1%	603	Yageo	RC0201FR-0724R9L	Yes	Yes
U1	1	High Frequency Gate Driver	NCP51530		SOIC-8	onsemi	NCP51530ADR2G	No	Yes