



Bill of Materials for the NCP81239GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1,C2	2	DNP			SMC0603	TDK	GRM188R61C225KE15D		
C5,C6	2	DNP			SMC0603	Murata			
C4,C7,C8	3		4.7uF		C0603	AVX	0603YD475MAT2A		
C10,C11,C12,C13,C15,C16,C17	7		22uF		CSM_1206	TDK	C3216X5R1V226M160AC		
C14,C25	2		100uF		MJ_10	KEMET	A767MU107M1VLA029		
C18,C19,C21	3		0.1uF		SMC0603	AVX	0603VC104KAT2A		
C20,C26	2		10nF		CSM_0603	Murata	GRM188R71H103JA01		
C9,C22	1		1nF		SMC0603	Murata	GRM188R71H102KA01D		
C23	1		10pF		SMC0603	Murata	GRM188SC1H100JA01D		
C24	1		1500pF		SMC0603	Murata	GCM188R71H152KA37D		
D1,D2,D3(DNP), D4(short),D5(DNP) P)	2	NSR0240H			crsmi_sod323	ON Semiconductor	NSR0240HT1G		
J2,J4	2		2PIN 1ROW		JTHI HDR1R2PS	Molex	22-10-2021		
J3	1	HEADER 5X2_5103308-1			5103308-1	MOLEX	702471051		
L1	1		3.3 uH			Coilcraft	XAL1010-332MED		
NT1,NT2,NT3,NT4	4	<Value>			net_bie	Not a part	Not a part		
Q1,Q2,Q3,Q4	4	NTMFS4C10N			NTMFS4C10N	ON SEMICONDUCTOR	NTMFS4C10N		
R1,R2	2	DNP			SMR0603	DALE	CRCW06031K00FKEA		
R4,R5	1		0.005		WSL2010	Vishay	WSL2010S0L000FEA		
R6,R8	3	DNP			SMR0603	Vishay	DNP		
R7	1		1		SMR0603	Bourns	CRL0603-FW-1R00ELF		
R3,R9,R10,R13, R14,R28,R29(DNP), R37(DNP)	5		0		SMR0603	Panasonic	ERJ-3GEY0R00V		
R11	1		49.9		SMR0604	Panasonic	ERJ-U03F49R9V		
R12,R15	1		3.3		SMR0603	Yageo	RT0603FRE073R3L		

R10,R16,R17,R34,R35,R36 (DNP)	6		10		SMR0402	Panasonic	ERJ-2RKF10R0X		
R18	1		90.9K		SMR0603	Panasonic	ERJ-3EKF9092V		
R19,R24,R25,R26,R33 (DNP)	5		10.0K		SMR0603	DALE	CRCW060310K0FKEA		
R20,R22	2		24.3K		SMR0603	Panasonic	ERJ-3EKF2432V		
R21	1		20.0K		SMR0603	DALE	CRCW060320K0FKEA		
R23,R32	2		20.5K		SMR0402	Vishay	CRCW060324K3FKEB		
R27	1	DNP			SMR0603	DNP	DNP		
R30,R31	2	DNP			RSM 2512	DNP	DNP		
R38	1	DNP			RSM 2513				
R39	1	DNP			SMR0603				
R40	1	DNP			SMR0603				
R41	1		0		SMR0603				
TP1,TP2,TP3,TP4,TP5,TP6,TP7,TP8,TP9,TP10,TP11,TP12,TP13,TP14,TP15,TP16,TP17,TP18,TP19,TP20,TP21,TP22,TP23,TP24,TP25,TP26,TP27,TP28,TP29,TP30,TP32,TP33,TP34,TP35	34		TP		TPTH1_100R76	MILL-MAX	2305-2-00-01-00-00-07-0		
T1,T2	2		2PIN/TERM BLK		TERM BL 2PS	Molex	39889-0042		
T3	1		2PIN/TERM BLK		TERM BL	PHOENIX CONTACT	1727010		
U1	1		NCP81239		usmm_gfn32f5x5				