



Bill of Materials for the NCP51100GEVB Evaluation Board

Designator(Main Board)	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	N/A	X (open)			N/A	X (open)	No	Yes
C2	1	100nF, 50V, X7R	100nF, 50V, X7R		0805 (2012)	SAMSUNG ELEC.	CL21B104KBFNNNE	No	Yes
C3	1	10uF, 50V, X7R	10uF, 50V, X7R		1206 (3216)	SAMSUNG ELEC.	CL31B106KBHNNNE	No	Yes
D1	1	50V 2A (Schottky Barrier)	50V 2A (Schottky Barrier)		SOD-123FL	ON SEMI	SS25FA	No	Yes
J1	1	SMB, RF Connector	SMB, RF Connector		Rhru-Hole	MOLEX	731000207	No	Yes
J2,J3	2	2 Pin Header	2 Pin Header		Rhru-Hole	Hirose	A2-2PA-2.54DSA	No	Yes
R1	4	0Ω, 5%, 1/4W	0Ω, 5%, 1/4W		0805 (2012)	ROHM	TRR10EZPJ000	No	Yes
R2	1	51Ω, 5%, 1/4W	51Ω, 5%, 1/4W		0805 (2012)	ROHM	ESR10EZPJ510	No	Yes
R3	1	4.7Ω, 5%, 1/4W	4.7Ω, 5%, 1/4W		0805 (2012)	ROHM	ESR10EZPJ4R7	No	Yes
R4	1	100Ω, 5%, 1/4W	100Ω, 5%, 1/4W		0805 (2012)	ROHM	ESR10EZPJ101	No	Yes
R5	1	100K, 5%, 1/4W	100K, 5%, 1/4W		0805 (2012)	ROHM	ESR10EZPJ106	No	Yes
*TP1, TP2, TP3, TP4, TP5, TP6	6	Test Point, 1mm hole	Test Point, 1mm hole		Rhru-Hole	Younginsa	8654	No	Yes
U1	1	1K ohm, 5%, 1/4W	1K ohm, 5%, 1/4W		SOT23-5	ON SEMI	NCP51100	No	Yes
U2	1	N/A	N/A			N/A	X (open)	No	Yes

