



Bill of Materials for the NCP3065BBGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
F1	1	Fuse	1A	-	0603	Tyco	MFU0603FF01000P100	YES	YES
C6	1	Ceramic Chip Capacitor	1nF	-20%, +80%	0603	Murata	GRM21BF51A106ZE15L	YES	YES
C1	1	Ceramic Chip Capacitor	1uF	10%	0603	Murata	GRM188R71H102KA01D	YES	YES
C3	1	Ceramic Chip Capacitor	1uF	10%	0603	Murata	GRM188R61E105KA12D	YES	YES
C2	1	Ceramic Chip Capacitor	5.6nF	10%	0603	Murata	GRM188R71H562KA01D	YES	YES
C4	1	Ceramic Chip Capacitor	10uF	-20%, +80%	1210	Murata	GRM32NF51E106ZA01L	YES	YES
C5	1	Ceramic Chip Capacitor	10uF	-20%, +80%	1210	Murata	GRM32NF51E106ZA01L	YES	YES
D1	1	DIODE, SCHOTTKY	0.2A, 30V	-	SOD_123	ON Semiconductor	MBR130T1G	NO	YES
D2	1	DIODE, SCHOTTKY	0.2A, 30V	-	SOD_123	ON Semiconductor	MBR130T1G	NO	YES
D3	1	DIODE, SCHOTTKY	0.2A, 30V	-	SOD_123	ON Semiconductor	MBR130T1G	NO	YES
D4	1	DIODE, SCHOTTKY	0.2A, 30V	-	SOD_123	ON Semiconductor	MBR130T1G	NO	YES
D6	1	DIODE, SCHOTTKY	2A, 60V	-	SMB	ON Semiconductor	MBRS260T3	NO	YES
Q1	1	General Purpose NPN Transistor	PNP	-	SOT-363	ON Semiconductor	MBT3946DW1T1	NO	YES
D5	1	Diode, Small Signal	0.2A, 100V	-	SOD-123	ON Semiconductor	MMSD4148T1	NO	YES
D8	1	Diode, Small Signal	0.2A, 100V	-	SOD-123	ON Semiconductor	MMSD4148T1	NO	YES
Z1	1	DIODE, ZENER	36V	-	SOD_523	ON Semiconductor	MM5Z36VT1	NO	YES
L1	1	INDUCTOR, SM	68uH	20%	MSS1278	Coilcraft	MSS1278-683MLD	YES	YES
U1	1	Switching Regulator	40 V 1.5A	-	SO8	ON Semiconductor	NCP3065DR2G	NO	YES
M1	1	MOSFET, P	PFET	-	TSOP-6	ON Semiconductor	NTGS4111PT1G	NO	YES
R4	1	Resistor	1.2k	1%	0402	Vishay / Dale	CRCW04021K20FKED	YES	YES
R1	1	Resistor	100	1%	0402	Vishay / Dale	CRCW0402100RKFED	YES	YES
R3	1	Resistor	115k	1%	0402	Vishay / Dale	CRCW0402162KFKED	YES	YES
R7	1	Resistor	20k	1%	0402	Vishay / Dale	CRCW0402196RKFED	YES	YES
R5	1	Resistor	22k	1%	0402	Vishay / Dale	CRCW040222K0FKED	YES	YES
R6	1	Resistor	6.04k	1%	0402	Vishay / Dale	CRCW040222K0FKED	YES	YES
R2	1	Resistor	1k	1%	0603	Vishay / Dale	CRCW04021K00FKED	YES	YES
R9	1	Resistor	200	1%	0805	Vishay / Dale	CRCW0402200RKFED	YES	YES
R8	1	Resistor	0.25	1%	1206	Vishay / Dale	CSR1/20.25FICT-ND	YES	YES
D7	1	ZENER, BACK TO BACK	22V	-	MBRS1100T3_SMB	ON Semiconductor	P6SMB22CAT3	NO	YES
ACIN, ACIN	2	Stranded Wire - White	-	-	-	-	-	YES	YES
LED+	1	Stranded Wire - Red	-	-	-	-	-	YES	YES
LED-	1	Stranded Wire - Black	-	-	-	-	-	YES	YES