

ON Semiconductor



Bill of Materials for the NCP3065D2SLDGEVB SEPIC Demoboard

11/20/2007

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free	Comments
R3	1	Resistor SMD	1M5	1%	0805	Vishay	CRCW08051M50FKEA	Yes	Yes	
R9	1	Resistor SMD	1k	1%	0805	Vishay	CRCW08051K00FKEA	Yes	Yes	
R7	1	Resistor SMD	1k5	1%	0805	Vishay	CRCW08051K50FKEA	Yes	Yes	
C6	1	Ceramic Capacitor SMD	2n7	5%	0805	Murata	GCM2165C1H272JA16D	Yes	Yes	
C3	1	Ceramic Capacitor SMD	6n8	10%	0805	Kemet	C0805C682K5RAC	Yes	Yes	
R2, R4, R5	3	Resistor SMD	10k	1%	0805	Vishay	CRCW080510K0FKEA	Yes	Yes	
C2	1	Ceramic Capacitor SMD	10uF/25V	+80%/-20%	1210	Murata	GRM32NF51E106ZA01L	Yes	Yes	
R8	1	Resistor SMD	27k	1%	0805	Vishay	CRCW080527K0FKEA	Yes	Yes	
C1	1	Ceramic Capacitor SMD	100nF	5%	0805	Kemet	C0805C104J5RAC	Yes	Yes	
C4, C5	2	Capacitor	120uF/50V	20%	8x15	Koshim	KZH-50V121MG4	Yes	Yes	
C7	1	Ceramic Capacitor SMD	330pF	5%	0805	Kemet	C0805C331J5GAC-TU	Yes	Yes	
R6	1	Resistor SMD	390R	1%	0805	Vishay	CRCW0805390RFKEA	Yes	Yes	
X2	1	Inlet Terminal Block	DG350-3.50-02	-	-	Degson	DG350-3.50-02	Yes	Yes	
X1	1	Outlet Terminal Block	DG350-3.50-03	-	-	Degson	DG350-3.50-03	Yes	Yes	
D2	1	Schottky Diode 30V	BAT54HT1G	-	SOD-323	ON Semiconductor	BAT54HT1G	No	Yes	
Q1	1	General Purpose Transistor NPN	BC817-40LT1G	-	SOT-23	ON Semiconductor	BC817-40LT1G	No	Yes	
D1	1	Surface Mount Schottky Power Rectifier	MBRS260T3G	-	SMB	ON Semiconductor	MBRS260T3G	No	Yes	
Q2	1	PNP General Purpose Transistor	MMBT3906LT1G	-	SOT-23	ON Semiconductor	MMBT3906LT1G	No	Yes	
D3	1	Zener Diode 500 mW 24 V	MMSZ24T1G	5%	SOT-123	ON Semiconductor	MMSZ24T1G	No	Yes	
IC1	1	Constant Current Switching Regulator	NCV3065MNTXG	-	DFN	ON Semiconductor	NCV3065MNTXG	No	Yes	
Q3	1	Power MOSFET 24 Amps, 60 Volts	NTD24N06LT4G	-	DPAK	ON Semiconductor	NTD24N06LT4G	No	Yes	
R1	1	Resistor SMD	0R050	1%	2010	Welwyn	LR2010-R05FW	Yes	Yes	
R10	1	Resistor SMD	0R68	5%	1206	Tyco Electronics	RL73K2BR68JTD	Yes	Yes	
R11		Not Used								
TP1, TP2, TP3	6	Test Point	Terminal, PCB Black Phosphor	-	1.02mm	Vero	20-2137	Yes	Yes	
TR1	1	Transformer	PF0553.223	-	-	Pulse	PF0553.223	No	Yes	