

ON Semiconductor



Bill of Materials for the NCP1014STBUG Evaluation Board

8/31/2011

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	Capacitor X2	100nF	±10%	Through Hole	Vishay	F1772-410-2030	Yes	Yes
C2	1	CMS Capacitor	1nF	±10%	1206	AVX	12065C102KAT2A	Yes	Yes
CON1	1	Input Terminal Block	LP7.5/2/903.2 OR	-	LP7.5/2	WeidMuller	LP7.5/2/903.2 OR	Yes	Yes
CON2	1	Output Terminal Block	PM5.08/2/90	-	PM5.08/2	WeidMuller	PM5.08/2/90	Yes	Yes
D1	1	Ultrafast Power Rectifier	MURA160	-	SMA	ON Semiconductor	MURA160T3G	No	Yes
D2	1	1 A, 1000 V Standard Rectifier	1N4007	-	Axial Lead	ON Semiconductor	1N4007RLG	No	Yes
E1	1	Electrolytic Capacitor	10uF / 400V	±20%	Through Hole	Panasonic	ECA2GHG100	Yes	Yes
E2	1	Electrolytic Capacitor	220uF / 25V	±20%	Through Hole	Panasonic	ECA1EHG221	Yes	Yes
E3	1	Electrolytic Capacitor	47uF / 25V	±20%	Through Hole	Rubycon	25ML47M6.3X5	Yes	Yes
IO1	1	Opto-Coupler	PC817	-	DIL-4	Sharp	PC817X1J000F	Yes	Yes
IO2	1	Monolithic Power Switcher	NCP1014	-	SOT-223	ON Semiconductor	NCP1014ST65T3G	No	Yes
L1	1	Inductor	1.5mH	±10%	RFB0810	Coil Craft	RFB0810-152	Yes	Yes
L2	1	Inductor	1mH	±10%	Through Hole	Fastron	SMCC-102X-YY	Yes	Yes
LD1	1	LED	Green LED 5mm	-	Through Hole	Avago	HLMP-HM57-SV000	Yes	Yes
R1	1	CMS Resistor	1kOhm	±1%	1206	Vishay	RCA12061K00FKEA	Yes	Yes
ZD1	1	Zener Diode	11V	±5%	SOD-123	ON Semiconductor	MMSZ11T1G	No	Yes