

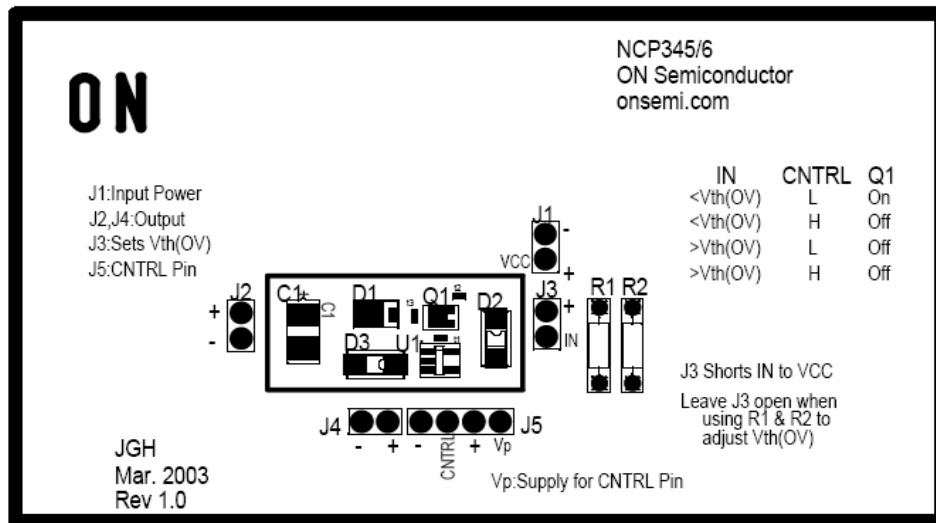
## Bill of Materials for NCP345 Demonstration Board

ON Semiconductor



2/11/2004

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U1	1	Over Voltage Protection IC	NA	NA	SOT-23-5	ON Semiconductor	NCP345SNT1	NO	YES
Q1	1	P-Channel Power MOSFET	20V	NA	1206A-3	ON Semiconductor	NTHS4101PT1	NO	YES
D1	1	Schottky Power Rectifier	30V	NA	457-04	ON Semiconductor	MBRM130LT1	NO	NO
C1	1	Tantalum Chip Capacitor	10uF, 20V	10%	3528	Vishay Sprague	293D106X9020B2T	YES	NO
D2	1	Optional Zener Placeholder (Not Mounted)	NA	NA	SMA	ON Semiconductor	NA	NO	NO
D3	1	Optional Zener Placeholder (Not Mounted)	NA	NA	SMA	ON Semiconductor	NA	NO	NO
R1	1	Optional Threshold Adjust Resistor (Not Mounted)	NA	NA	RC05	Any	NA	YES	NO
R2	1	Optional Threshold Adjust Resistor (Not Mounted)	NA	NA	RC05	Any	NA	YES	NO



- 1 Jumper required to short CNTRL on J5 to either + or - pins
- 1 Jumper required on J3 to short IN to VCC