

Bill of Materials for NCP5006 Demonstration Board

ON Semiconductor



8/28/2003

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U1	1	LED Boost Driver	NA	NA	TSOP-5	ON Semiconductor	NCP5006SNT1G	No	Yes
C2	1	Ceramic Chip Capacitor	1.0 uF, 16 V	10%	1206	Murata	GRM31MR61C105KA01L	Yes	No
D1	1	Shottky Rectifier	0.5 A, 30 V	NA	SOD-123	ON Semiconductor	MBR0530T1	No	No
D2, D3, D4, D5	4	White LED, SMT	NA	NA	NA	Osram	LW -T67C	Yes	No
J1	1	4 mm Single Pole Connector, Red	NA	NA	NA	Deltron Emcon	571-0500	Yes	No
J2	1	4 mm Single Pole Connector, Black	NA	NA	NA	Deltron Emcon	571-0100	Yes	No
JP1 - JP3	1	Header Pins, 2 Positions	0.1" Pitch	NA	NA	Tyco Electronics	5-826629-0	Yes	No
L1	1	Inductor, SMT	22 uH	NA	1210	Coilcraft	1008PS-223MC	Yes	No
R1	1	Thin Film Chip Resistor	51 Ω , 0.125 W	1%	0805	Vishay	TNPW080551R0FT1RT1	Yes	No
S1	1	Header Pins, 3 Positions	0.1" Pitch	NA	NA	Tyco Electronics	5-826629-0	Yes	No
TP1, TP2, TP3, TP4	4	Test Point, Red	NA	NA	NA	Keystone	5005	Yes	No
GND	1	Un-insulated Plug	NA	NA	NA	Harwin	D3082-01	Yes	No
S1, JP1	2	Jumper, 2 Positions	1" Pitch	NA	NA	Sullins Electronics	SPC02SYAN	Yes	No