

Bill of Materials for NCP5007 Demonstration Board Rev.4

ON Semiconductor



6/9/2004

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	Ceramic Chip Capacitor	4.7 uF, 16 V	10%	1206	Murata	GRM31CR61C475KA01L	Yes	No
C2	1	Ceramic Chip Capacitor	1 uF, 16 V	10%	1206	Murata	GRM31MR61C105KA01L	Yes	No
C3	NA	No Connect	NA	NA	NA	NA	NA	NA	NA
D1	1	Shottky Power Rectifier	30 V, 0.5 A	NA	SOD-123	ON Semiconductor	MBR0530	No	No
D2-D6	5	White LED, SMT	NA	NA	NA	Osram	LW -T67C	Yes	No
J1	1	4MM PCB Connector, Red	NA	NA	NA	Deltron Emcon	571-0500	Yes	No
J2	1	4MM PCB Connector, Black	NA	NA	NA	Deltron Emcon	571-0100	Yes	No
JP1	1	Header, 2 Positions	0.1" Pitch	NA	NA	AMP/Tyco Electronics	4-103747-0	Yes	No
JP2 - JP4	3	Header, 6 Positions	0.1" Pitch	NA	NA	AMP/Tyco Electronics	4-103747-0	Yes	No
L1	1	Inductor, SMT	22 uH	NA	1210	Coilcraft	1008PS-223MC	Yes	No
R1	1	Thick Film Chip Resistor	10 Ω	1%	1206	Panasonic	ERJ-8ENF10R0V	Yes	No
S1	3	Header, 3 Positions	0.1" Pitch	NA	NA	Harwin	M20-9993605	Yes	No
TP1-TP4	4	Test Point, Loop	NA	NA	NA	Keystone	5000	Yes	No
U1	1	Backlight LED Boost Driver	NA	NA	TSOP-5	ON Semiconductor	NCP5007SNT1G	No	No
Z1	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