

**Bill of Materials**  
**for**  
**LM4781 Reference PCB**  
(8/25/03)

Symbol	Value	Recommended Tolerance	Type/Description	Comment
R <sub>IN1</sub> , R <sub>IN2</sub> R <sub>IN3</sub>	33kΩ	5%	¼ Watt	
R <sub>B1</sub> , R <sub>B2</sub> , R <sub>B3</sub>	1kΩ	1%	¼ Watt	
R <sub>F1</sub> , R <sub>F2</sub> , R <sub>F3</sub>	20kΩ	1%	¼ Watt	
R <sub>i1</sub> , R <sub>i2</sub> , R <sub>i3</sub>	1kΩ	1%	¼ Watt	
R <sub>SN1</sub> , R <sub>SN2</sub> , R <sub>SN3</sub>	4.7Ω	5%	¼ Watt	
R <sub>G</sub>	2.7Ω	5%	¼ Watt	
R <sub>M</sub>	5.6kΩ	5%	¼ Watt	
C <sub>IN1</sub> , C <sub>IN2</sub> C <sub>IN3</sub>	1μF	10%	Metallized Polyester Film	
C <sub>i1</sub> , C <sub>i2</sub> , C <sub>i3</sub>	47μF	20%	Electrolytic Radial / 50V	
C <sub>SN1</sub> , C <sub>SN2</sub> , C <sub>SN3</sub>	0.1μF	20%	Monolithic Ceramic	
C <sub>S1</sub> , C <sub>S2</sub>	0.1μF	20%	Monolithic Ceramic	
C <sub>S3</sub> , C <sub>S4</sub>	10μF	20%	Electrolytic Radial / 50V	
C <sub>S5</sub> , C <sub>S6</sub>	2,200μF	20%	Electrolytic Radial / 50V	
S <sub>1</sub>			SPDT (on-on) Switch	
J <sub>1</sub> , J <sub>2</sub> , J <sub>3</sub>			Non-switched PC Mount RCA Jack	
J <sub>5</sub> , J <sub>7</sub> , J <sub>9</sub> , J <sub>11</sub>			PCB Banana Jack – BLACK	Supplier: Mouser Electronics Inc. www.mouser.com (800) 346 - 6873 Part #: 154 – 6218 (BLACK) Part #: 164 – 6219 (RED)
J <sub>4</sub> , J <sub>6</sub> , J <sub>8</sub> , J <sub>10</sub> , J <sub>12</sub>			PCB Banana Jack – RED	
U1			27 lead TO-220 Power Socket with push lever release or board mounted LM4780 IC	Socket Supplier: Loranger International Corp. www.loranger.com (408) 727 – 4234 Part #: 04555 – 271