

# Bill of Materials for LM4936-MH Demo Board

11/4/2004

## Assembly Notes:

- No special considerations.

Symbol	Value	Tolerance	Type/Description	Comment/Supplier	Part #
R <sub>IN1</sub> , R <sub>IN2</sub>	20kΩ	1%	1/10 Watt, Size code: 0805		
R <sub>I1</sub> , R <sub>I2</sub>	20kΩ	1%	1/10 Watt, Size code: 0805		
R <sub>F1</sub> , R <sub>F2</sub>	20kΩ	1%	1/10 Watt, Size code: 0805		
R <sub>DOCK1</sub> , R <sub>DOCK2</sub>	20kΩ	1%	1/10 Watt, Size code: 0805		
R <sub>BS1</sub> , R <sub>BS2</sub>	20kΩ	1%	1/10 Watt, Size code: 0805		
R <sub>BEEP1</sub> , R <sub>BEEP2</sub>	200kΩ	1%	1/10 Watt, Size code: 0805		
R <sub>L1</sub> , R <sub>L2</sub>	1.5kΩ	1%	1/10 Watt, Size code: 0805		
R <sub>S</sub> , R <sub>PU</sub>	100kΩ	1%	1/10 Watt, Size code: 0805		
C <sub>IN1</sub> , C <sub>IN2</sub> , C <sub>IN3</sub>	0.33μF	10%	10V Ceramic, Size code: 1206		
C <sub>BS1</sub> , C <sub>BS2</sub>	0.068μF	10%	10V Ceramic, Size code: 1206		
C <sub>S1</sub>	10μF	10%	10V Tantalum, Size code: 1210		
C <sub>S2</sub> , C <sub>S3</sub> , C <sub>S4</sub>	0.1μF	10%	10V Tantalum, Size code: 1206		
C <sub>O1</sub> , C <sub>O2</sub>	1μF	10%	10V Electrolytic, Size code: 1210		
C <sub>B</sub>	1μF	10%	10V Tantalum, Size code: 1210		
C <sub>OUT1</sub> , C <sub>OUT2</sub>	220μF	10%	16V Electrolytic, Size code: 2220		
J <sub>1</sub>			0.100" 1x2 header, vertical mount	Docking Outputs	
J <sub>2</sub> , J <sub>3</sub> , J <sub>4</sub>			RCA Input Jack, PCB mount	Inputs	Mouser Elect: 16PJ097
J <sub>5A</sub> , J <sub>6A</sub> , J <sub>7A</sub>			PCB Banana Jack - Red	Analog V <sub>DD</sub> , Right Out +, Left Out +	Mouser Elect: 164-6219
J <sub>5B</sub> , J <sub>6B</sub> , J <sub>7B</sub>			PCB Banana Jack - Black	GND, Right Out -, Left Out -	Mouser Elect: 164-6218
J <sub>8</sub>			0.100" 2x3 header, vertical mount	I <sup>2</sup> C/SPI Input	

J <sub>9</sub>			3.5mm Stereo Headphone Jack	Headphone Output	Shogyo: SJS-0354-5P
J <sub>10</sub>			0.100" 1x3 header, vertical mount	Digital Select	
J <sub>11</sub>			PCB Banana Jack - Red	Digital V <sub>DD</sub>	Mouser Elect: 164-6219