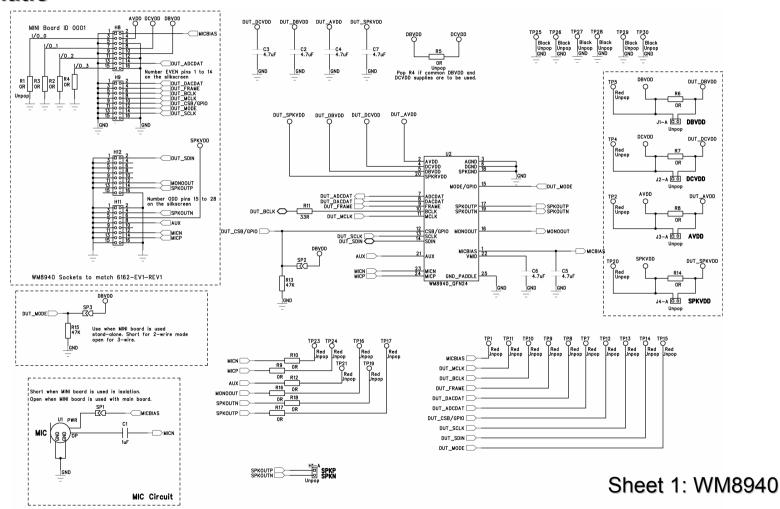


DOC TYPE:	Schematic and Layout
BOARD REFERENCE:	WM8940-6162-FL24-M-REV3
BOARD TYPE:	Customer Mini
WOLFSON DEVICE(S):	WM8940
DATE:	April 2008
DOC REVISION:	Rev 1.0

Schematic





Bill Of Materials (BOM)

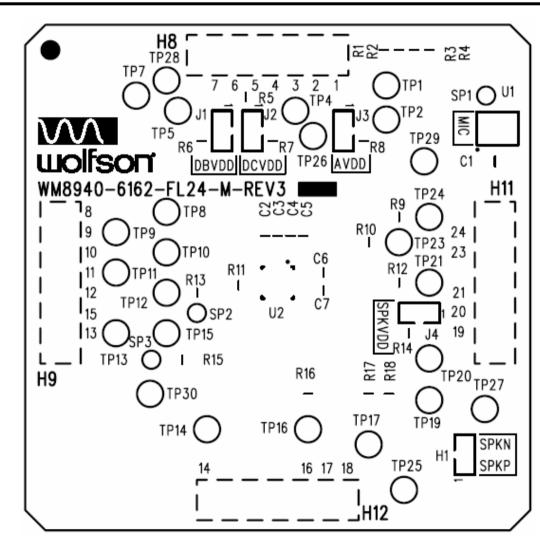
Item	RefDes	Description	Manufacturer	Manufacturer's Part Number	
1	U1	Silicon Surface Mount Microphone, Unamplified	Knowles Acoustics	SPM0102NE3-2	
2	C2 C3 C4 C5 C6 C7	4.7uF 0603 SMD Ceramic Capacitor 6.3V X5R	Murata	GRM188R60J475KE19D	
3	R11	33R 0603 SMD chip resistor 1% 0.063W	Multicomp	MC 0.063W 0603 1% 33R	
4	R13 R15	47K 0603 SMD chip resistor 1% 0.063W	Multicomp	MC 0.063W 0603 1% 47K	
5	R2 R3 R4 R6 R7 R8 R9 R10 R12 R14 R16 R17 R18	0R 0603 SMD chip resistor 1% 0.063W	Multicomp	MC 0.063W 0603 0R	
6	C1	1uF 0805 SMD Ceramic Capacitor 10V X7R	Multicomp	N0805R105KCT	
7	H8 H9 H11 H12	2x8 2.54mm pitch PCB Socket Strip VERTICAL	SAMTEC	SSQ-108-02-G-D	
8	PCB1	PCB	Wolfson Microelectronics	WM8940-6162-FL24-M REV3	
9	U2	WM8940 Mono Codec with Speaker Driver	Wolfson Microelectronics	WM8940GEFL/V	
Unpop					
10	H1 J1 J2 J3 J4	1x2 PCB Pin Header 0.1" VERTICAL	Harwin	M20-9990245	
11	TP25 TP26 TP27 TP28 TP29 TP30	1.32mm PCB Test Terminal BLACK	VERO	20-2136	
12	TP1 TP2 TP4 TP5 TP7 TP8 TP9 TP10 TP11 TP12 TP13 TP14 TP15 TP16 TP17 TP19 TP20 TP21 TP23 TP24	1.32mm PCB Test Terminal RED	Vero	20-313141	

Customer Information 3 April 2008, Rev 1.0



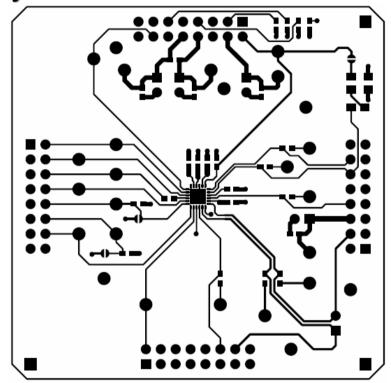
Layout

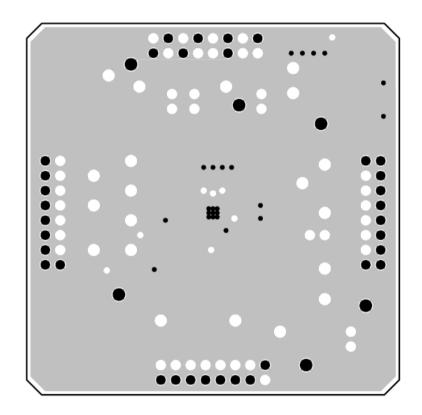
Top Silkscreen





Layout



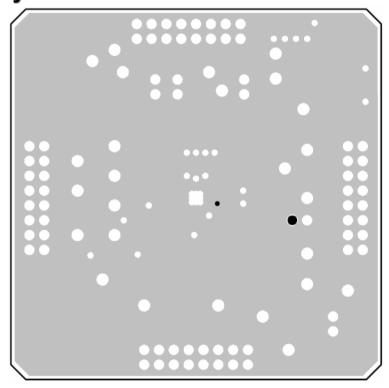


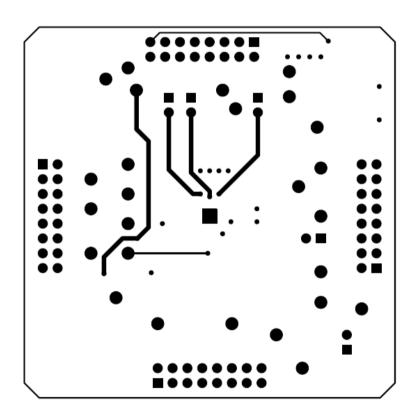
Top Layer

Layer 2 GND Plane



Layout





Layer 3
POWER Plane

Bottom Layer



Application Support

If you require more information or require technical support, please contact the Wolfson Microelectronics Applications group through the following channels:

Email: apps@wolfsonmicro.com
Telephone Apps: +44 (0) 131 272 7070
Fax: +44 (0) 131 272 7001

Mail: Applications Engineering at the address on the last page

or contact your local Wolfson representative.

Additional information may be made available on our web site at: http://www.wolfsonmicro.com



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