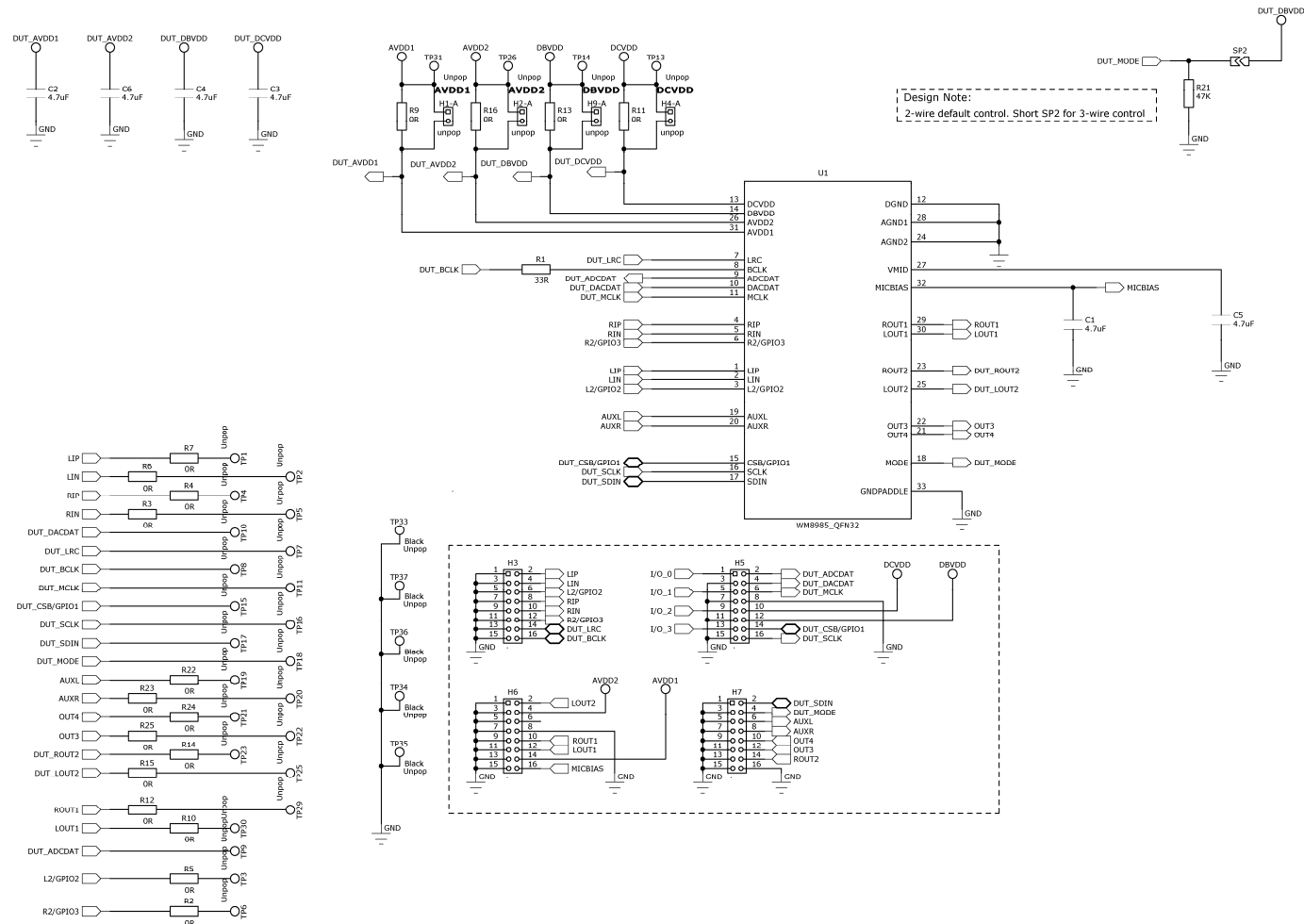
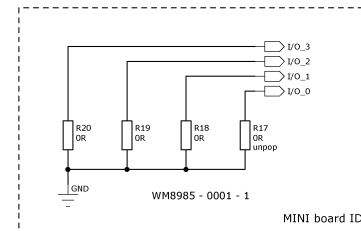
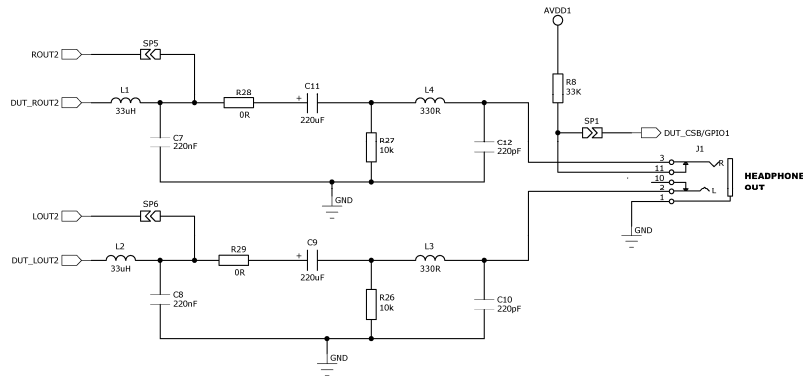


DOC TYPE:	SCHEMATIC AND LAYOUT
BOARD REFERENCE:	WM8985-6160-FL32-M-REV2
BOARD TYPE:	Customer Mini Board
WOLFSON DEVICE(S):	WM8985
DATE:	August 2008
DOC REVISION:	Rev 1.0



Sheet 2: Analogue Output

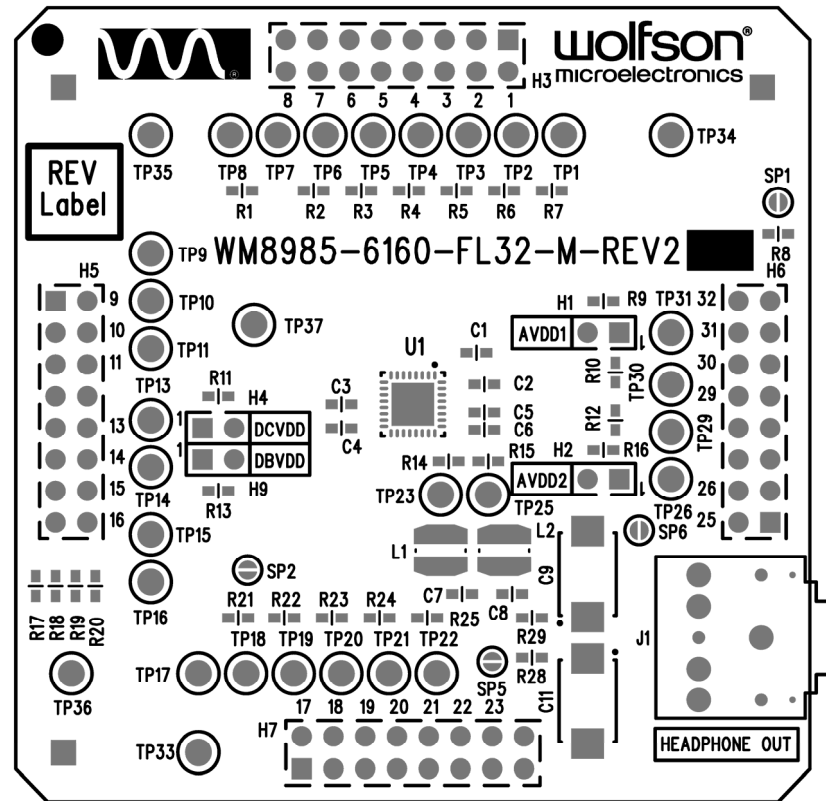
WHEN USING HP OR PHONO SOCKETS ON MAIN BOARD REMOVE R28 & R29 AND SHORT SP5 & SP6.



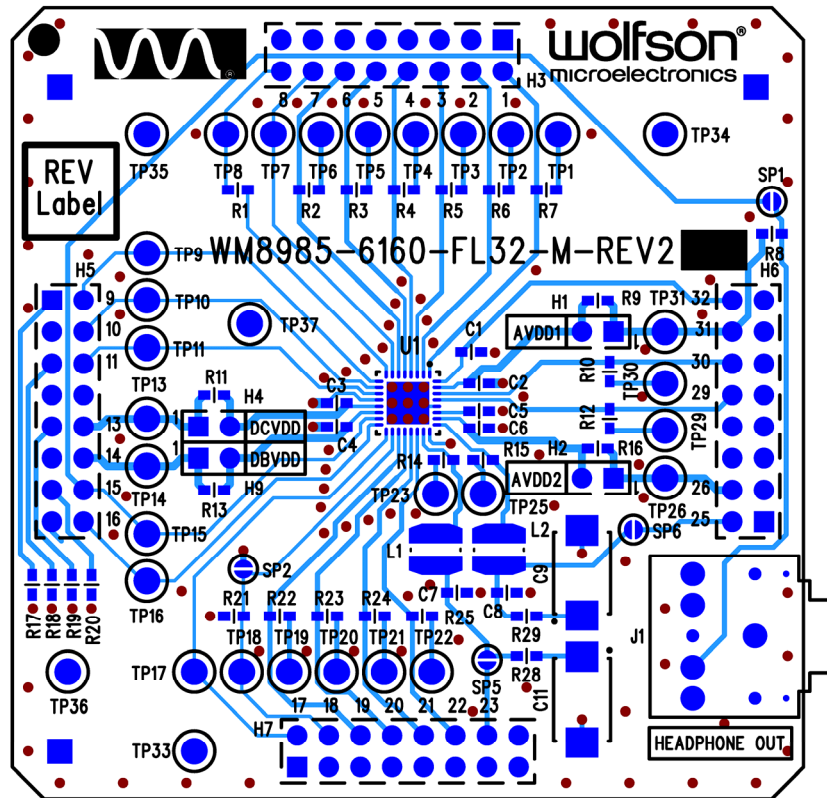
BILL OF MATERIALS (BOM)

<i>Item</i>	<i>RefDes</i>	<i>Description</i>	<i>Manufacturer</i>	<i>Manufacturer's Part Number</i>
1	L1 L2	33uH Shielded SM Inductor 0.7R	Coilcraft	LPS4012-333ML
2	J1	3.5mm Jack Socket 6.5mm Centre Height	Technik Industrial	TSH-3565-PBT-TIC-T
3	C7 C8	220nF 0603 SMD Ceramic Capacitor 10V X7R	Murata	GRM188R71A224KA01D
4	C1 C2 C3 C4 C5 C6	4.7uF 0603 SMD Ceramic Capacitor 6.3V X5R	Murata	GRM188R60J475KE19D
5	L3 L4	330R 0603 BLM18S Series Inductor Type Ferrite Bead	Murata	BLM18SG331TN1D
6	MSC2	Lead-free label, 15mm round	Brady	805794
7	C9 C11	Tantalum Capacitor SMD-D 220uF - 10V - AVX	AVX	TAJD227K010R
8	C10 C12	220pF 0603 SMD Ceramic Capacitor 50V NPO	AVX	06035A221JAT2A
9	R26 R27	10k 0603 SMD chip resistor 1% 0.063W	Multicomp	MC 0.063W 0603 1% 10K
10	R8	33k 0603 SMD chip resistor 1% 0.063W	Multicomp	MC 0.063W 0603 1% 33K
11	R1	33R 0603 SMD chip resistor 1% 0.063W	Multicomp	MC 0.063W 0603 1% 33R
12	R21	47K 0603 SMD chip resistor 1% 0.063W	Multicomp	MC 0.063W 0603 1% 47K
13	R2 R3 R4 R5 R6 R7 R9 R10 R11 R12 R13 R14 R15 R16 R18 R19 R20 R22 R23 R24 R25 R28 R29	0R 0603 SMD chip resistor 1% 0.063W	Multicomp	MC 0.063W 0603 0R
14	H3 H5 H6 H7	2x8 2.54mm pitch PCB Socket Strip VERTICAL	SAMTEC	SSQ-108-02-G-D
15	PCB1	PCB	Kelan Circuits Ltd	WM8985-6160-FL32-M-REV2
16	U1	WM8985 Multimedia CODEC with Class D Headphone and Line Out	Wolfson Microelectronics	WM8985GEFL
Unpop				
17	H1 H2 H4 H9	1x2 PCB Pin Header 0.1" VERTICAL	Harwin	M20-9990245
18	TP33 TP34 TP35 TP36 TP37	1.32mm PCB Test Terminal BLACK	VERO	20-2136
19	R17	0R 0603 SMD chip resistor 1% 0.063W	Multicomp	MC 0.063W 0603 0R
20	SP1 SP2 SP5 SP6	Surface mount shorting point	N/A	N/A
21	TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP9 TP10 TP11 TP13 TP14 TP15 TP16 TP17 TP18 TP19 TP20 TP21 TP22 TP23 TP25 TP26 TP29 TP30 TP31	1.32mm off-board connection point	N/A	N/A

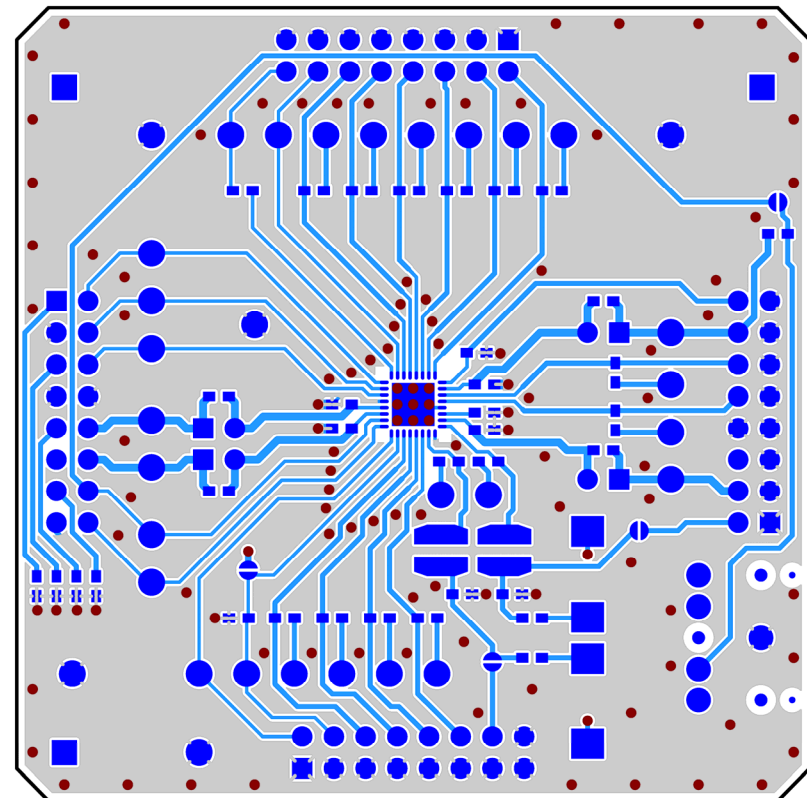
PCB LAYOUT



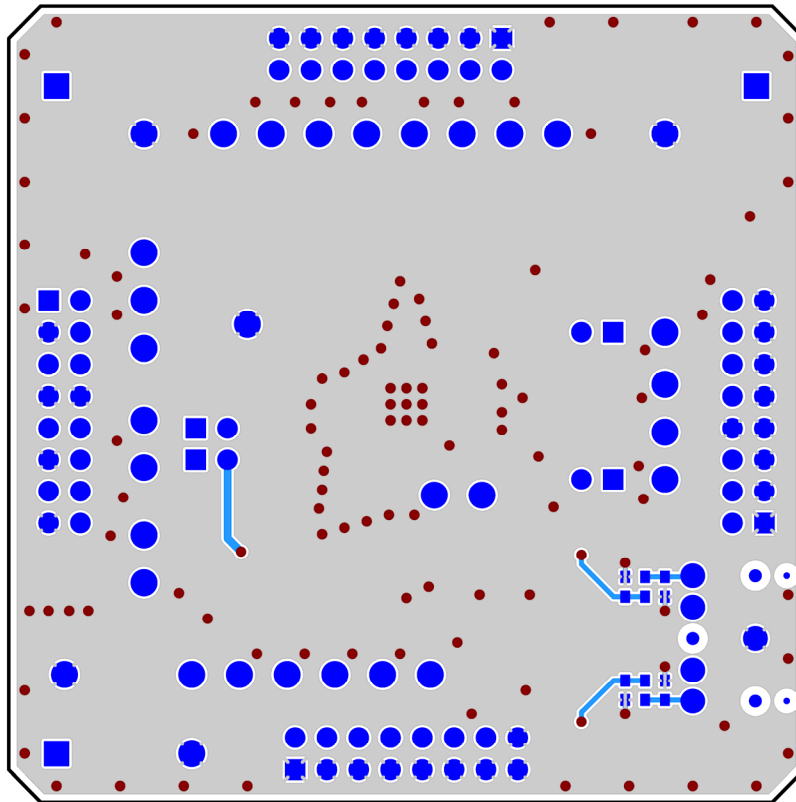
Top Layer: Overview



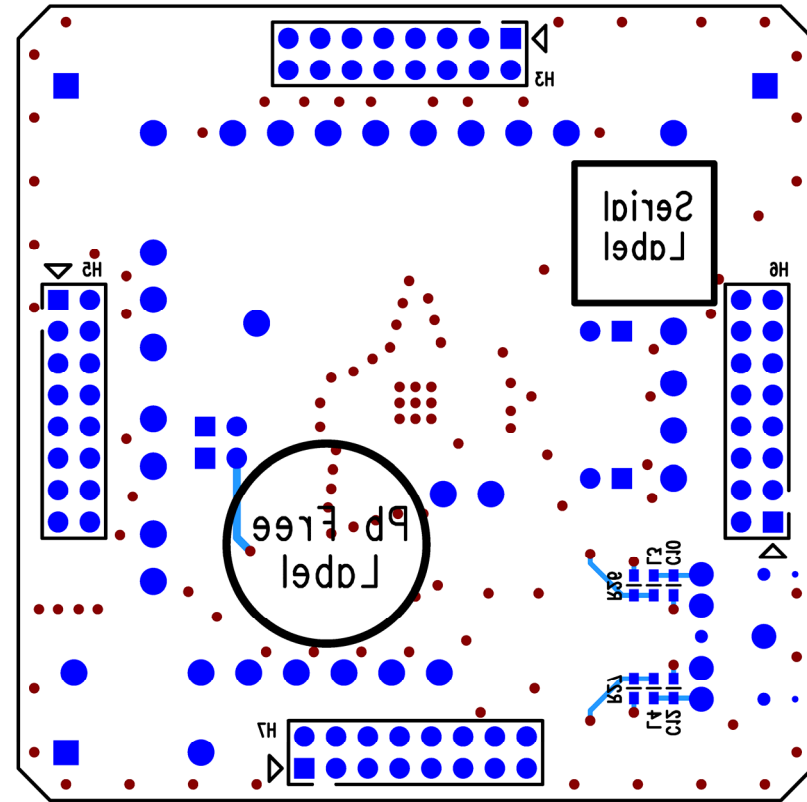
Top Layer: Silkscreen + Copper



Top Layer: Copper



Bottom Layer: Copper



Bottom Layer: Silkscreen + Copper



WM8985-6160-FL32-M-REV2 Schematic and Layout

APPLICATION SUPPORT

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

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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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