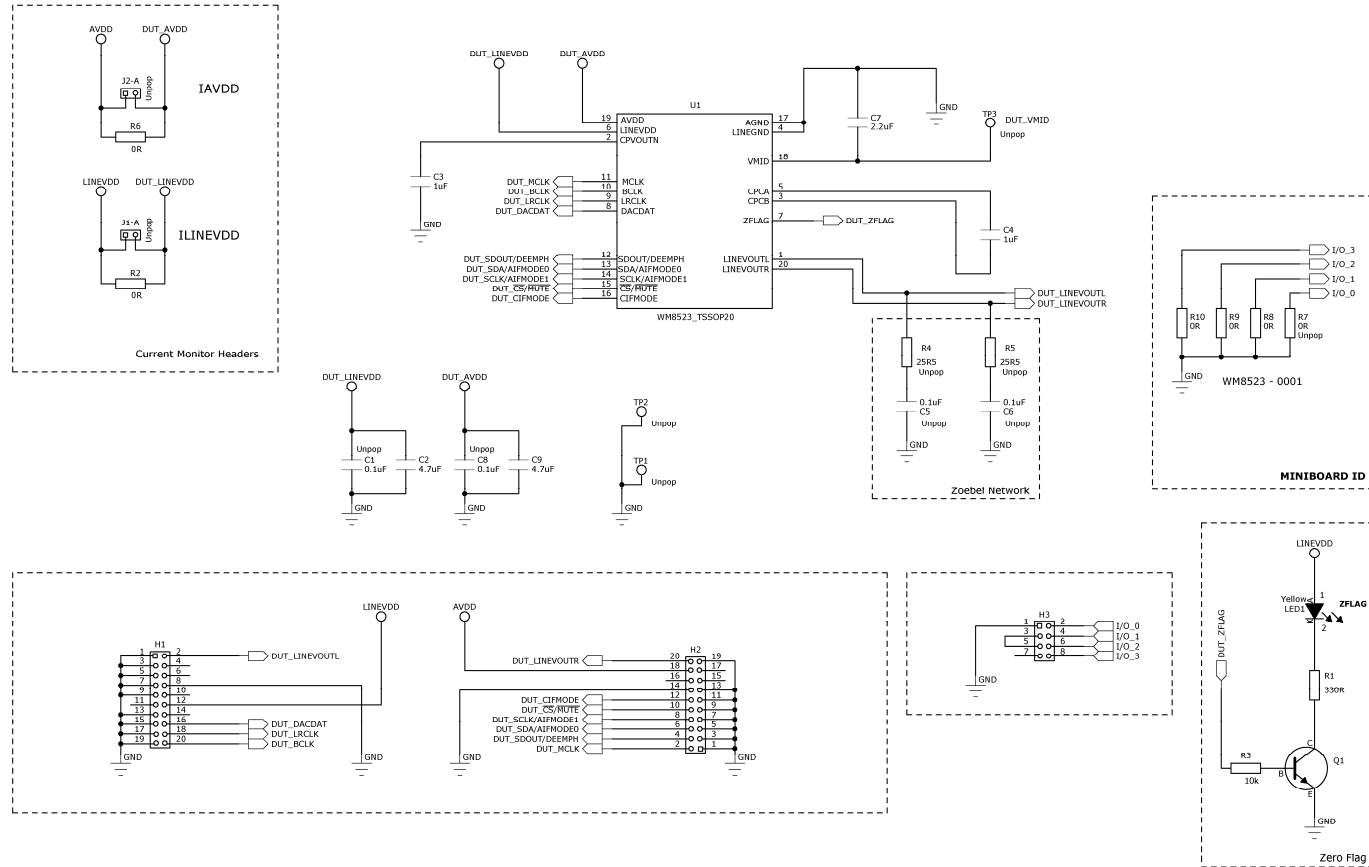


DOC TYPE:	SCHEMATIC AND LAYOUT
BOARD REFERENCE:	WM8523-6228-DT20-M
BOARD TYPE:	Customer Mini Board
WOLFSON DEVICE(S):	WM8523
DATE:	March 2009
DOC REVISION:	Rev 1.0

SCHEMATIC

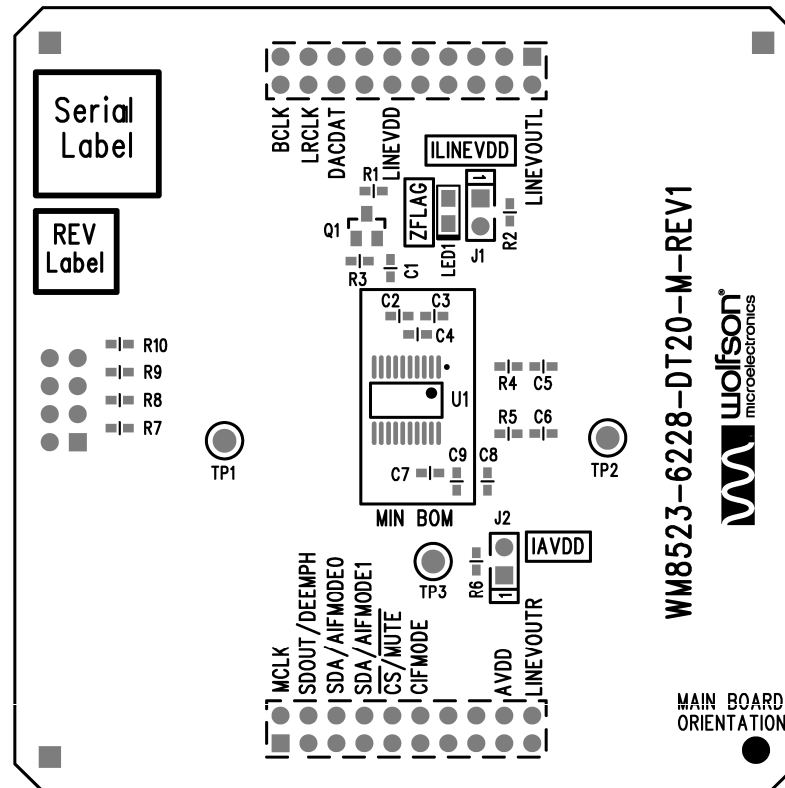
Sheet 1: WM8523



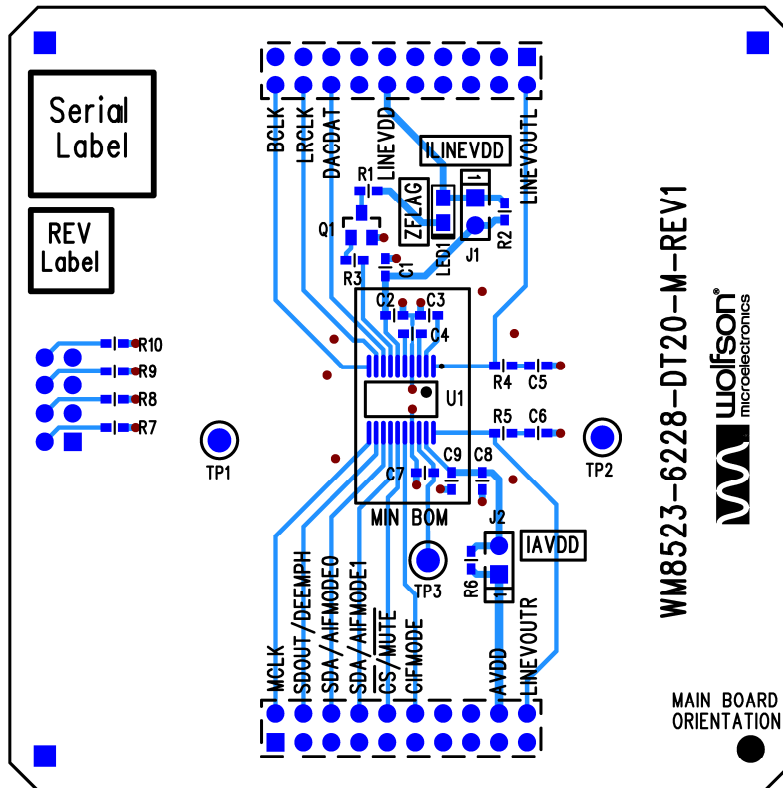
BILL OF MATERIALS (BOM)

<i>Item</i>	<i>RefDes</i>	<i>Description</i>	<i>Manufacturer</i>	<i>Manufacturer's Part Number</i>
1	C7	2.2uF 0603 SMD Ceramic Capacitor 10V X5R	MuRata	GRM188R61A225KE34D
2	C2 C9	4.7uF 0603 SMD Ceramic Capacitor 6.3V X5R	MuRata	GRM188R60J475KE19D
3	MISC2	Lead-free label, 15mm round	Brady	805794
4	C3 C4	1uF 0603 SMD Ceramic Capacitor 16V X7R	Phycomp	225524615663
5	R3	10k 0603 SMD chip resistor 1% 0.063W	Multicomp	MC 0.063W 0603 1% 10K
6	R1	330R 0603 SMD chip resistor 1% 0.063W	Multicomp	MC 0.063W 0603 1% 330R
7	R2 R6 R8 R9 R10	0R 0603 SMD chip resistor 1% 0.063W	Multicomp	MC 0.063W 0603 0R
8	Q1	BC849B NPN Bipolar Transistor SOT23	ON Semiconductor	BC849BLT1G
10	LED1	KP-2012SYC 0805 SMD Chip LED YELLOW	Kingbright	KP-2012SYC
11	H1 H2	2x10 2.54mm pitch PCB Socket Strip VERTICAL Long Lead	Samtec	SSQ-110-03-G-D
12	H3	2x4 2.54mm pitch PCB Socket Strip VERTICAL	Samtec	SSW-104-01-TD
13	U1	WM8523 Stereo DAC with integral Charge pump	Wolfson Microelectronics	WM8523
14	PCB1	PCB	Kelan	WM8523-6228-DT20-M-REV1
Unpop				
15	J1 J2	1x2 PCB Pin Header 0.1" VERTICAL	Harwin	M20-9990245
16	R4 R5	25R5 0603 SMD chip resistor 1% 0.063W	Multicomp	MC 0.063W 0603 1% 25R5
17	C1 C5 C6 C8	0.1uF 0603 SMD Ceramic Capacitor 16V X7R	Phycomp	2238 786 15649
18	R7	0R 0603 SMD chip resistor 1% 0.063W	Multicomp	MC 0.063W 0603 0R
19	TP2 TP3	1.32mm off-board connection point	N/A	N/A

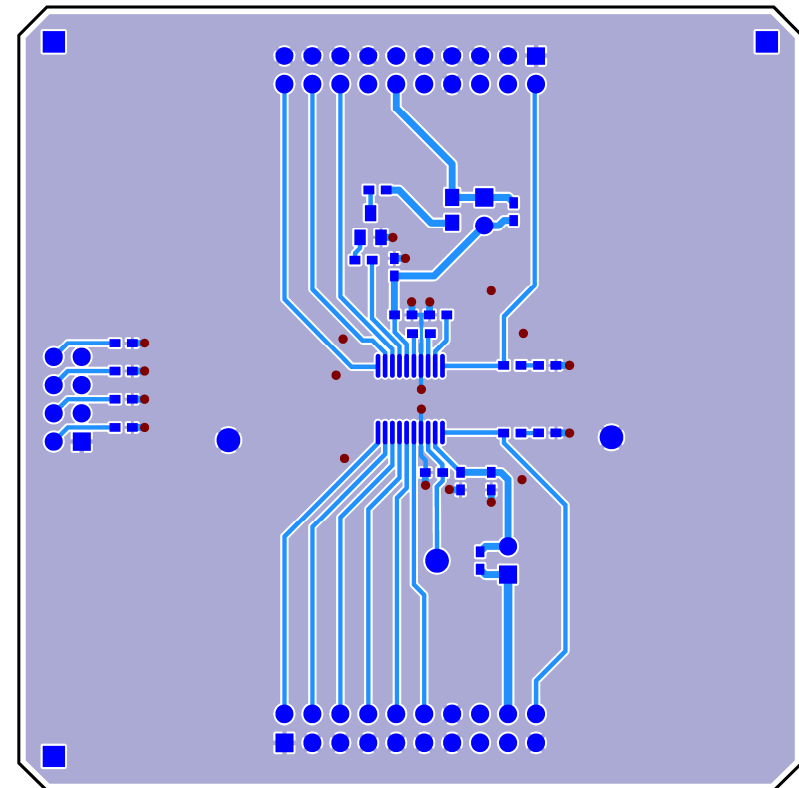
PCB LAYOUT



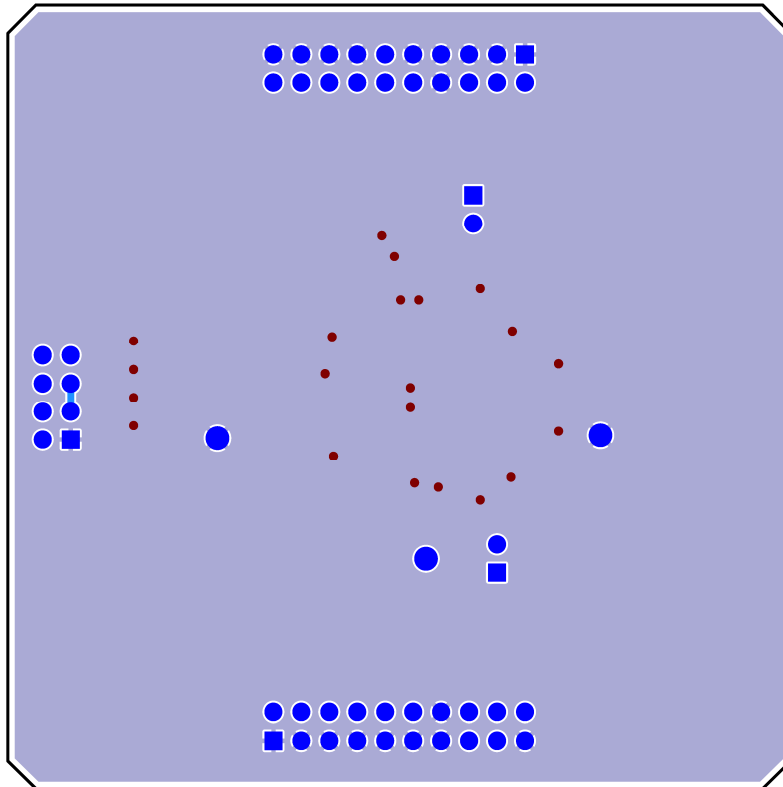
Top Layer: Overview



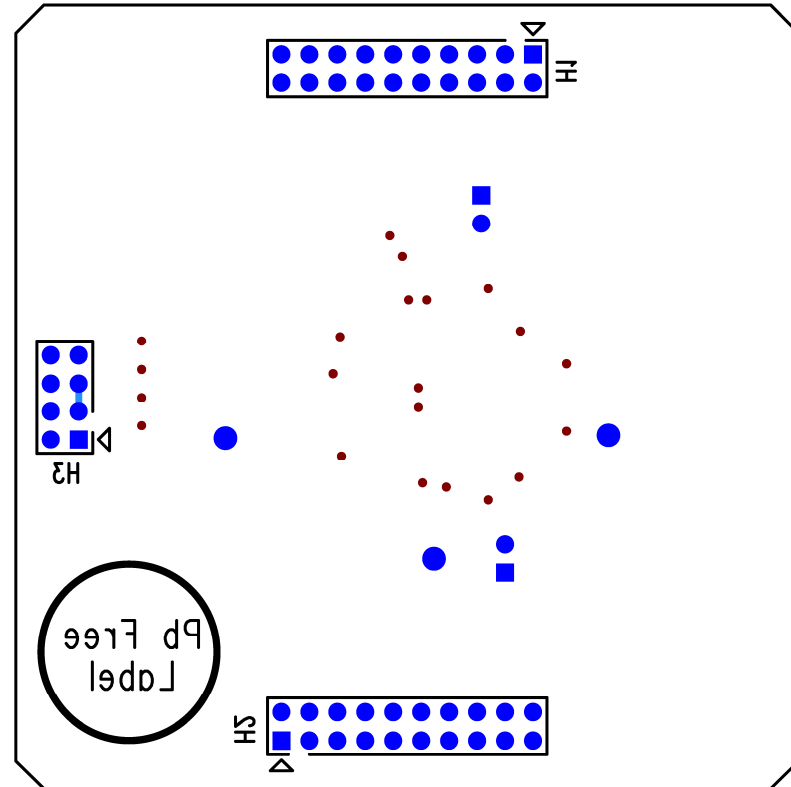
Top Layer: Silkscreen + Copper



Top Layer: Copper



Bottom Layer: Copper



Bottom Layer: Silkscreen + Copper

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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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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