

WOLFSON MICROELECTRONICS Stereo CODECs

RoHS Compliant **This product is RoHS compliant.**

Wolfson Microelectronics products are at the very heart of some of the world's most popular digital consumer products. Wolfson's mixed-signal semiconductors are essential to the performance of devices such as mobile phones, MP3 players, DVDs, digital cameras and scanners. Building on our renowned track record in the audio market, we have created some of the most powerful chips in the digital market.

WOLFSON AUDIO HUBS

Wolfson Part No.	Package	DAC's/ADC's	DAC's SNR/THD (dB)	ADC SNR/THD (dB)	Analog Supply (V)	Digital Supply (V)	Price Each		
							1	50	100
WM8994ECS/R	QFN-48	4/2	98/-84	95/-82	1.8 to 3.6	1.4 to 3.6	8.53	7.15	5.96

WOLFSON AUDIO AMPLIFIERS

Wolfson Part No.	Package	DAC's	SNR/THD (dB)	Control (SW/HW)	Supply Modes	Price Each		
						1	50	100
WM9010ECSN/R	W-CSP-12	104/-88	HW	1.71 to 2.0	Single ended analog	.66	.55	.44
WM9090ECS/R	W-CSP-20	95/-83	2-wire SW	HPVDD: 1.71 - 2.0V SPKVDD 2.7 - 5.5V	Stereo analog, mono or differential	1.50	1.25	1.00

WOLFSON CODECS

Wolfson Part No.	Package	DAC's/ADC's	Sample Rate max. (kHz)	Analog Supply (V)	Digital Supply (V)	Price Each		
						1	50	100
WM8510GEDS/RV	SSOP-28	1/1	48	2.5 to 5.5	1.71 to 3.6	2.94	2.65	2.12
WM8731LSEFL/R	QFN-28	2/2	96	1.8 to 3.6	1.42 to 3.6	2.86	2.48	1.98
WM8731SEDS/V	SSOP-28	2/2	96	1.8 to 3.6	1.42 to 3.6	3.09	2.68	2.14
WM8750BLGEFL/R	QFN-32	2/2	96	1.8 to 3.6	1.42 to 3.6	4.16	3.60	2.88
WM8960GEFL/RV	QFN-32	2/2	48	2.5 to 3.6	1.71 to 3.6	4.34	3.76	3.01
WM8974GEFL/V	QFN-24	1/1	48	2.5 to 5.5	1.71 to 3.6	2.70	2.34	1.87
WM8983GEFL/V	QFN-32	2/2	48	2.5 to 5.5	1.71 to 3.6	4.91	4.25	3.40
WM8985GEFL	QFN-32	2/2	48	2.5 to 3.6	1.71 to 3.6	4.26	3.69	2.95
WM9705SEFL/RV	QFN-48	2/2	48	3.0 to 5.0	3.0 to 5.0	5.30	4.45	3.71
WM9705SEFT/V	TQFP-48	2/2	48	3.0 to 5.0	3.0 to 5.0	6.85	5.75	4.79
WM9707SCFT/V	TQFP-48	2/2	192	2.7 to 5.5	2.7 to 3.6	5.08	4.26	4.24
WM9712LGEFL/V	QFN-48	3/3	-	1.8 to 3.6	1.5 to 3.6	5.29	4.70	3.92
WM9712LGEFL/RV	QFN-48	3/3	-	1.8 to 3.6	1.5 to 3.6	5.68	4.77	3.97
WM9713LGEFL/V	QFN-48	4/3	-	1.8 to 3.6	1.8 to 3.6	6.70	4.69	4.42
WM9715LGEFL/V	QFN-48	--	-	1.8 to 3.6	1.5 to 3.6	4.00	3.47	3.16

DACs

Wolfson Part No.	Package	DAC's	DAC's SNR/THD (dB)	Sample Rate max. (kHz)	Analog Supply (V)	Digital Supply (V)	Price Each		
							1	50	100
WM8711BLGEFL/V	QFN-24	2	90.0/-86.0	96	1.8 to 3.6	1.42 to 3.6	2.25	1.88	1.35
WM8751LSEFL/R	QFN-32	2	98.0/-86.0	96	1.8 to 3.6	1.42 to 3.6	3.17	2.75	2.07
WM8759GED/V	SOIC-14	2	100.0/-88.0	192	2.5 to 5.5	2.5 to 5.5	1.44	1.20	.84
WM8955LSEFL/R	QFN-32	2	98.0/-86.0	96	1.8 to 3.6	1.42 to 3.6	3.97	3.44	2.59

ADCs

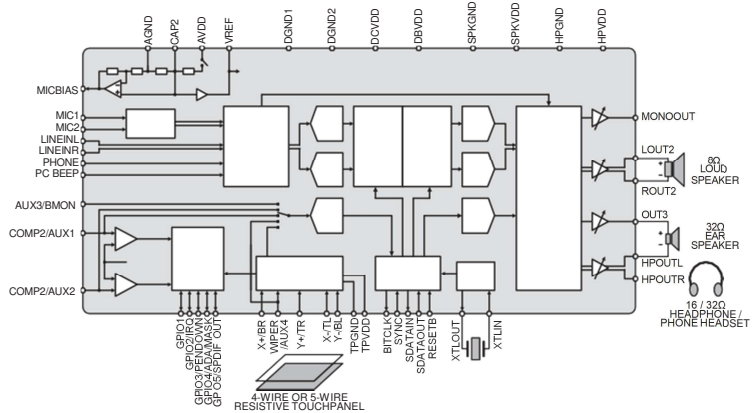
Wolfson Part No.	Package	ADC's	ADC's SNR/THD (dB)	Sample Rate max. (kHz)	Analog Supply (V)	Digital Supply (V)	Price Each		
							1	50	100
WM8737LGEFL	QFN-32	2	97.0/-86.0	96	1.8 to 3.6	1.42 to 3.6	3.30	2.86	2.16
XWM8739SEDS	SSOP-20	2	90.0/-84.0	96	2.7 to 3.6	1.42 to 3.6	5.38	4.52	3.55
WM8775SEDS/RV	SSOP-28	2	102.0/-90.0	96	2.7 to 5.5	2.7 to 3.6	4.63	2.09	3.15
WM8782SEDS/RV	SSOP-20	2	102.0/-90.0	192	2.7 to 5.5	2.7 to 3.6	2.32	2.09	1.58
WM8786GEDS/V	SSOP-20	2	111.0/-102.0	192	4.5 to 5.5	2.7 to 3.6	3.48	3.02	2.28

AC'97 AUDIO AND TOUCHPANEL CODEC

The WM9712L is a highly integrated input / output device designed for mobile computing and communications. The device can connect directly to a 4-wire or 5-wire touchpanel, mono or stereo microphones, stereo headphones and a mono speaker, reducing total component count in the system. Additionally, phone input and output pins are provided for seamless integration with wireless communication devices.

Features:

- AC'97 Rev 2.2 compatible stereo codec:
 - DAC SNR 94dB, THD -87dB
 - ADC SNR 92dB, THD -87dB
 - Variable Rate Audio, supports all WinCE sample rates
 - Tone Control, Bass Boost and 3D Enhancement
- Resistive touchpanel interface:
 - Supports 4-wire and 5-wire panels
 - 12-bit resolution, INL ± 2 LSBs (<0.5 pixels)
 - X, Y and touch-pressure (Z) measurement
 - Pen-down detection supported in Sleep Mode
- On-chip 45mW headphone driver
- On-chip 400mW mono speaker driver
- Stereo, mono or differential microphone input - Automatic Level Control (ALC)
- Auxiliary mono DAC (ring tone or DC level generation)
- Seamless interface to wireless chipset
- Up to 5 GPIO pins
- 2 comparator inputs for battery monitoring
- Up to 4 auxiliary ADC inputs
- Package: QFN-48 7x7mm



Applications:

- Personal Digital Assistants (PDA)
- Smartphones
- Handheld and Tablet Computers

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For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Price Each			
Mfr.	Mfr. Part No.	1	50	100	500
	WM9712LGEFL/RV	5.68	4.77	3.97	3.75

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