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					Low power CO	DECs with integra	ated video buffer						
Part number	Typical Application	Description	DACs / ADCs	Headphone driver	BTL speaker output	DAC SNR/THD+N (dB)	ADC SNR/THD+N (dB)	Clocking	DSP functions	Video buffer	Analogue supply (V)	Digital supply (V)	Package
WM8941	Smartphones, Mobile Phones and Headsets, Gaming, Digital Cameras, Home Entertainment, Media Players	Mono CODEC with speaker driver and video buffer	1/1	Yes, 40mW into 16 ohms	Yes, 400mW, mono	98 / -80	91 / -83	External MCLK, PLL	HPF, Notch Filters, ALC	Yes	2.5 to 3.6	1.7 to 3.6	QFN-28 CSP-28
WM8980	Smartphones, Mobile Phones and Headsets, Gaming, Digital Cameras, Home Entertainment, Media Players	Stereo CODEC	2/2	Yes, 40mW into 16 ohms	Yes, 1.0W 8Ω BTL	98 / -84	95 / -80	External MCLK, PLL	EQ, 3D, DSP filters, HPF	Yes	2.5 to 5.5	1.7 to 3.6	QFN-40
WM8944	Smartphones, Mobile Phones and Headsets, Gaming, Digital Cameras, Home Entertainment, Media Players	Mono CODEC with video buffer	1/1	Yes	Yes, 400mW, mono	98 / -80	94 / -83	External MCLK, FLL	ReTune™, EQ, DSP filters	Yes	2.4 to 3.6	1.7 to 3.6	W-CSP-36
WM8945	Smartphones, Mobile Phones and Headsets, Gaming, Digital Cameras, Home Entertainment, Media Players	Mono CODEC with video buffer and touchpanel controller	1/1	Yes	Yes, 400mW, mono	98 / -80	94 / -83	External MCLK, FLL	ReTune™, EQ, DSP filters	Yes	2.4 to 3.6	1.7 to 3.6	W-CSP-36
WM8946	Smartphones, Mobile Phones and Headsets, Gaming, Digital Cameras, Home Entertainment, Media Players	Stereo CODEC with video buffer	2/2	Yes	Yes, 400mW, mono	98 / -80	94 / -83	External MCLK, FLL	ReTune™, EQ, DSP filters, 3D	Yes	2.4 to 3.6	1.7 to 3.6	W-CSP-36
WM8948	Smartphones, Mobile Phones and Headsets, Gaming, Digital Cameras, Home Entertainment, Media Players	Stereo CODEC with video buffer and touchpanel controller	2/2	Yes	Yes, 400mW, mono	98 / -80	94 / -83	External MCLK, FLL	ReTune™, EQ, DSP filters, 3D	Yes	2.4 to 3.6	1.7 to 3.6	W-CSP-36
						Mono CODECs							
Part number	Typical Application	Description	Channels	DAC SNR/THD+N (dB)	ADC SNR/THD+N (dB)	Sample rate max (kHz)	Data formats	Control (SW/HW)	Clocking	Other features	Analogue supply (V)	Digital supply (V)	Package

					Mon	o low power COD	DECs						
Part number	Typical Application	Description	DACs / ADCs	Headphone driver	BTL speaker output	DAC SNR/THD+N (dB)	ADC SNR/THD+N (dB)	Clocking	Advanced DSP features	Other features	Analogue supply (V)	Digital supply (V)	Package
WM8940	Gaming, Digital Cameras, Home Entertainment	Mono CODEC with Speaker Driver	1/1	Yes, 40mW into 16 ohms	Yes, 0.4W 8Ω BTL	98 / -84	94 / -80	External MCLK, PLL	4 notch filters, HPF	ALC	2.5 to 3.6	1.7 to 3.6	QFN-24
WM8974	Smartphones, Mobile Phones and Headsets, Gaming, Digital Cameras, Home Entertainment	Mono CODEC with speaker driver	1/1	No	Yes, 0.9W 8Ω BTL	98 / -84	94 / -83	External MCLK, PLL	EQ, DSP filters, HPF, Notch Filters	ALC	2.5 to 5.5	1.7 to 3.6	QFN-24

					Mu	ılti-Channel CODI	ECs						
Part number	Typical Application	Description	Channels	DAC SNR/THD+N (dB)	ADC SNR/THD+N (dB)	Sample rate max (kHz)	Data formats	Control (SW/HW)	Clocking	Other features	Analogue supply (V)	Digital supply (V)	Package
WM8580	Smartphones, Mobile Phones and Headsets, Tablets, PC and Laptops, Televisions	Multi channel CODEC with S/ PDIF transceiver	2 in 6 out	103 / -90	100 / -87	192	I2S, RJ, LJ, DSP	2/3-wire SW, HW	External MCLKs, PLLs	Two independent audio interfaces	2.7 to 5.5	2.7 to 3.6	TQFP-48
WM8581	Smartphones, Mobile Phones and Headsets, Tablets, PC and Laptops, Televisions	Multi channel CODEC with S/ PDIF transceiver	2 in 8 out	103 / -90	100 / -90	192	I2S, RJ, LJ, DSP	2/3-wire SW, HW	External MCLKs, PLLs	Two independent audio interfaces	2.7 to 5.5	2.7 to 3.6	TQFP-48
WM8594	Smartphones, Mobile Phones and Headsets, Tablets, PC and Laptops, Televisions	CODEC with multi- channel analogue and digital routing	10 in 6 out	100 / -87	96 / -80	192	I2S, RJ, LJ, DSP	2/3-wire SW	External MCLKs	2Vrms line drivers, headphone driver	8.1 to 9.9	2.7 to 3.6	TQFP-48
WM8595	Televisions, Home Entertainment	CODEC with multi- channel analogue and digital routing	12 in 4 out	100 / -87	96 / -80	192	I2S, RJ, LJ, DSP	2/3-wire SW	External MCLKs	Integrated 2Vrms line drivers, digital multiplexer	8.1 to 9.9	2.7 to 3.6	QFN-48
WM8770	Smartphones, Mobile Phones and Headsets, Tablets, PC and Laptops, Televisions	CODEC	16 in 8 out	106 / -96	102 / -94	192	I2S, RJ, LJ, DSP	3-wire SW	External MCLKs	Analogue and digital volume control	2.7 to 5.5	2.7 to 3.6	TQFP-64

						HDA CODECs							
Part number	Typical Application	Description	Channels	DAC SNR/THD+N (dB)	ADC SNR/THD+N (dB)	Sample rate max (kHz)	Data formats	Control (SW/HW)	Clocking	Other features	Analogue supply (V)	Digital supply (V)	Package
WM8850	PC and Laptops	Multi Channel HDA CODEC with S/ PDIF Transceiver	4 in 6 out	108/-96	105/-95	192	HDA	HDA SW	HDA	S/PDIF transceiver	4.5 to 5.5	1.62 to 3.63	QFN-48
WM8860	PC and Laptops	Multi Channel HDA CODEC with S/ PDIF Transmitter	4 in 4 out	108/-96	105/-95	192	HDA	HDA SW	HDA	S/PDIF transmitter	4.5 to 5.5	1.62 to 3.63	QFN-48

						Stereo CODECs							
Part number	Typical Application	Description	Channels	DAC SNR/THD+N (dB)	ADC SNR/THD+N (dB)	Sample rate max (kHz)	Data formats	Control (SW/HW)	Clocking	Other features	Analogue supply (V)	Digital supply (V)	Package
WM8569	Home Entertainment	Stereo CODEC with volume control	2 in 2 out	103 / -95	100 / -80	192	12S, RJ, LJ, DSP	3-wire SW	External MCLKs	ALC volume control	2.7 to 5.5	2.7 to 3.6	SSOP-28
WM8776	Home Entertainment	CODEC with 5 input selector	10 in 2 out	108 / -97	102 / -95	192	12S, RJ, LJ, DSP	2/3-wire SW	External MCLKs	H/P amplifier ALC	2.7 to 5.5	2.7 to 3.6	TQFP-48
WM8778	Home Entertainment	CODEC	2 in 2 out	108 / -97	102 / -95	192	12S, RJ, LJ, DSP	2/3-wire SW	External MCLKs	ALC volume control	2.7 to 5.5	2.7 to 3.6	SSOP-28
WM9707	Home Entertainment	CODEC	2 in 2 out	95 / -90	90 / -85	48k	AC97	AC97	-	ALC volume control	2.7 to 5.5	2.7 to 3.6	TQFP-48

					Ster	eo low power CO	DECs						
Part number	r Typical Application	Description	DACs / ADCs	Headphone driver	BTL speaker output	DAC SNR/THD+N (dB)	ADC SNR/THD+N (dB)	Clocking	Advanced DSP features	Other features	Analogue supply (V)	Digital supply (V)	Package
WM8904	Smartphones, Mobile Phones and Headsets, Gaming, PC and Laptops, Media Players	Ultra low power CODEC with headphone driver	2/2	Yes,Class W	No	96 / -86	92 / -80	External MCLK, FLL	High pass filters,	Digital microphone interface	1.7 to 2.0	0.95 to 3.6	QFN-32 WLCSP-36
WM8731	Smartphones, Mobile Phones and Headsets, Gaming, PC and Laptops, Media Players	CODEC with headphone driver	2/2	Yes, Class AB	No	100 / -86	90 / -84	External MCLK, OSC	High pass filters	MIC input	1.8 to 3.6	1.4 to 3.6	SSOP-28 QFN-28

WM8734	Smartphones, Mobile Phones and Headsets, Gaming, PC and Laptops, Media Players	CODEC	2/2	Yes, Class AB	No	100 / -86	90 / -84	External MCLK, OSC	High pass filters	MIC input	1.8 to 3.6	1.4 to 3.6	SSOP-28
WM8750	Smartphones, Mobile Phones and Headsets, Gaming, PC and Laptops, Media Players	CODEC with speaker driver	2/2	Yes, 40mW into 16 ohms	Yes, 400mW	98 / -84	95 / -82	External MCLK	EQ, 3D	MIC interface ALC	1.8 to 3.6	1.4 to 3.6	QFN-32
WM8903	Smartphones, Mobile Phones and Headsets, Gaming, PC and Laptops, Media Players	Ultra low power CODEC for portable audio applications	2/2	Yes, Class W	No, 2x differential line out	96 / -86	93 / -80	External MCLK	Dynamic range control, digital sidetone	Digital microphone interface	1.7 to 2.0	1.1 to 1.9	QFN-40
WM8960	Smartphones, Mobile Phones and Headsets, Gaming, PC and Laptops, Media Players	CODEC with Class D speaker driver	2/2	Yes, 40mW into 16 ohms	Up to 1.4W per channel	98 / -84	95 / -82	External MCLK, PLL	3D	MIC interface ALC	2.5 to 3.6	1.7 to 3.6	QFN-32
WM8962	Smartphones, Mobile Phones and Headsets, Gaming, PC and Laptops, Media Players, Digital Cameras	CODEC with Class D Speaker Driver	2/2	Yes, Class W 22mW into 16 ohms	Yes, 1W 8Ω BTL Class D	98/-79	94/-86	Two integrated PLLs	VSS, HDBASS, ReTuneTM, 3D,EQ,DRC	Programmable ALC and Noise Gate	1.7 - 2V	1.6 to 2.0	CSP-49
WM8973	Smartphones, Mobile Phones and Headsets, Gaming, PC and Laptops, Media Players	CODEC with speaker driver	2/2	Yes, 40mW into 16 ohms	Yes, 400mW	98 / -84	95 / -82	External MCLK	EQ, 3D	MIC interface ALC	1.8 to 3.6	1.4 to 3.6	QFN-32
WM8976	Smartphones, Mobile Phones and Headsets, Gaming, PC and Laptops, Media Players	CODEC with speaker driver	2/1	Yes, 40mW into 16 ohms	Yes, 1W 8Ω BTL	98 / -84	95 / -84	External MCLK, PLL	EQ, 3D, DSP filters	MIC interface ALC	2.5 to 5.5	1.7 to 3.6	QFN-32
WM8978	Smartphones, Mobile Phones and Headsets, Gaming, PC and Laptops, Media Players	CODEC with speaker driver	2/2	Yes, 40mW into 16 ohms	Yes, 1W 8Ω BTL	98 / -84	95 / -84	External MCLK, PLL	EQ, 3D, DSP filters	MIC interface ALC	2.5 to 5.5	1.7 to 3.6	QFN-32
WM8983	Smartphones, Mobile Phones and Headsets, Gaming, PC and Laptops, Media Players	CODEC with 1W Speaker driver	2/2	Yes, 40mW into 16 ohms	Yes, 1W 8Ω BTL	98 / -84	95 / -84	External MCLK, PLL	EQ, 3D, DSP filters	MIC interface ALC	2.5 to 5.5	1.7 to 3.6	QFN-32
WM8985	Smartphones, Mobile Phones and Headsets, Gaming, PC and Laptops, Media Players	CODEC with Class D headphone driver	2/2	Yes, Class D 40mW into 16 ohms	No	98 / -86	92.5 / -75	External MCLK, PLL	EQ, 3D, DSP filters	MIC interface ALC	2.5 to 3.6	1.7 to 3.6	QFN-32

WM8987	Smartphones, Mobile Phones and Headsets, Gaming, PC and Laptops, Media Players	CODEC with BTL headset driver	2/2	Yes, 40mW into 16 ohms	No	98 / -80	90 / -80	External MCLK	EQ, 3D	MIC interface ALC	1.8 to 3.6	1.4 to 3.6	COL-28
WM8988	Smartphones, Mobile Phones and Headsets, Gaming, PC and Laptops, Media Players	Stereo CODEC	1/1	Yes, 40mW into 16 ohms	No	100 / -90	93 / -81	External MCLK	EQ, 3D	MIC interface	1.8 to 3.6	1.42 to 3.6	4x4mm COL

				S	tereo low power	CODECs with tou	chscreen controll	er					
Part number	Typical Application	Description	DACs / ADCs	Headphone driver	BTL speaker output	Control + data interface	Touch panel digitiser	Clocking	DSP functions	Other features	Analogue supply (V)	Digital supply (V)	Package
WM9705	Smartphones, Mobile Phones and Headsets, Media Players	CODEC with touchpanel controller	2/2	Yes	No	AC'97	4-wire or 5-wire control	External MCLK, OSC	3D	AUX ADC, battery monitor	3.0 to 5.0	3.0 to 5.0	QFN-48 TQFP-48
WM9712	Smartphones, Mobile Phones and Headsets, Media Players	CODEC with touchpanel controller	3/3	Yes, 45mW into 16 ohms	Yes, 400mW	AC'97	4-wire or 5-wire control	External MCLK, OSC	3D	AUX ADC, battery monitor	1.8 to 3.6	1.5 to 3.6	QFN-48
WM9713	Smartphones, Mobile Phones and Headsets, Media Players	Voice and audio CODEC with touchpanel controller	4/3	Yes, 45mW into 16 ohms	Yes, 400mW	AC'97 PCM, I2S	4-wire or 5-wire control	External MCLK, PLL	3D	AUX ADC, battery monitor	1.8 to 3.6	1.8 to 3.6	QFN-48
WM 9715	Smartphones, Mobile Phones and Headsets, Media Players	CODEC with touchpanel controller	3/3	Yes, 45mW into 16 ohms	Yes, 400mW	AC'97	4-wire or 5-wire control	External, MCLK, OSC	3D	AUX, ADC, battery monitor	1.8 to 3.6	1.5 to 3.6	QFN-48

				М	ono low power A	DCs					
Part number	Typical Application	Description	ADCs	Input PGA	Master / slave	ADC SNR/THD+N (dB)	Clocking	Other features	Analogue supply (V)	Digital supply (V)	Package
WM8950	Gaming, Media Players	Mono ADC with microphone input	1	Yes	Yes / Yes	94 / -83	External MCLK, PLL	EQ, HPF, DSP filters	2.7 to 3.6	1.7 to 3.6	QFN-24
WM8952	Gaming, Media Players	Mono ADC with microphone input	1	Yes	Yes / Yes	94 / -80	External MCLK, PLL	HPF, DSP Filters, Notch Filters	2.5 to 3.6	1.7 to 3.6	QFN-24 CSP-28

					Multi-channel AD	Cs					
Part number	Typical Application	Description	Channels	Sample rate max (kHz)	Data formats	Control (SW/HW)	Clocking	Other features	Analogue supply (V)	Digital supply (V)	Package
WM8775	Gaming, Home Entertainment, Televisions	Stereo ADC with 4 input selector	8	96	I2S, RJ, LJ, DSP	2/3-wire SW	External MCLK	ALC 2.0 Vrms inputs	2.7 to 5.5	2.7 to 3.6	SSOP-28

					Stereo ADCs						
Part number	Typical Application	Description	Channels	SNR / THD+N (dB)	Sample rate max (kHz)	Data formats	Control (SW/HW)	Other features	Analogue supply (V)	Digital supply (V)	Package
WM8738	Gaming, Home Entertainment, Televisions	Stereo ADC	2	90 / -87	96	12S, LJ	HW	Slave	3.0 to 5.5	3.0 to 3.6	SOIC-14
WM8781	Gaming, Home Entertainment, Televisions	Stereo ADC	2	102 / -90	192	I2S,RJ,LJ	HW	Master/slave	2.7 to 5.5	2.7 to 3.6	SSOP-20
WM8782	Gaming, Home Entertainment, Televisions	Stereo ADC	2	102 / -90	192	12S, RJ, LJ	HW	Master/slave	2.7 to 5.5	2.7 to 3.6	SSOP-20
WM8783	Gaming, Home Entertainment, Televisions	Stereo ADC	2	96 / -83	96	12S	HW	Slave	3.0 to 3.6	3.0 to 3.6	SOIC-8
WM8786	Gaming, Home Entertainment, Televisions	Stereo ADC	2	111 / -102	192	12S, RJ, LJ, DSP	HW	Master/slave	4.5 to 5.5	2.7 to 3.6	SSOP-20

	Stereo low power ADCs													
Part number	Typical Application	Description	ADCs	Input PGA	Master / slave	ADC SNR/THD+N (dB)	Clocking	Other features	Analogue supply (V)	Digital supply (V)	Package			
WM8737	Gaming, Home Entertainment, Televisions	Stereo ADC with microphone preamp	2	Yes	Yes / Yes	97 / -86	External MCLK	ALC	1.8 to 3.6	1.4 to 3.6	QFN-32			

WM8953	Gaming, Home Entertainment, Televisions	Stereo ADC with PLL and TDM Interface	2	Yes	Yes / Yes	94 / -82	External MCLK, PLL	Boost Stages for each PGA, TDM Interface	2.7 to 3.6	1.7 to 3.6	CSP-42	
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	Multi channel DACs													
Part number	Typical Application	Description	Channels	SNR / THD+N (dB)	Output level (Vrms)	Sample rate max (kHz)	Data formats	Control (SW/HW)	Other features	Analogue supply (V)	Digital supply (V)	Package		
WM8766	Gaming, Home Entertainment, Televisions	6-channel DAC with volume control	6	103 / -90	1	192	12S, RJ, LJ, DSP	HW, 3-wire SW	Digital volume control	2.7 to 5.5	2.7 to 3.6	SSOP-28		
WM8768	Gaming, Home Entertainment, Televisions	8-channel DAC with volume control	8	103 / -90	1	192	12S, RJ, LJ, DSP	HW, 3-wire SW	Digital volume control	2.7 to 5.5	2.7 to 3.6	SSOP-28		

					Stered	DACs						
Part number	Typical Application	Description	Channels	SNR / THD+N (dB)	Output level (Vrms)	Sample rate max (kHz)	Data formats	Control (SW/HW)	Other features	Analogue supply (V)	Digital supply (V)	Package
WM8501	Gaming , Home Entertainment	Stereo DAC with 1.7rms line driver	2	100 / -88	1.7	192	I2S,RJ, DSP	HW	-	4.5 to 5.5	2.7 to 5.5	SOIC-14
WM8521	Gaming , Home Entertainment	Stereo DAC with 2Vrms line driver	2	98 / -81	2	192	I2S, RJ, DSP	HW	-	"8.2 to 13.2	2.7 to 3.6	SOIC-14
WM8523	Gaming , Home Entertainment	Stereo charge pump DAC with ground ref 2Vrms line driver	2	106 / -93	2.1	192	LR, RJ, I2S, DSP	SW 2-wire, HW, 2/3-wire SW	Digital volume control, integrated charge pump	3.0 to 3.6	3.0 to 3.6	TSSOP-20
WM8524	Gaming , Home Entertainment	Stereo charge pump DAC with ground ref 2Vrms line driver	2	106 / -93	2.1	192	LJ, RJ, I2S	HW	Integrated charge pump	3.0 to 3.6	3.0 to 3.6	TSSOP-16
WM8533	Gaming, Home Entertainment, Televisions	Stereo charge pump DAC with ground Ref 2.1Vrms line driver	2	106 / -89	2.1	192	LJ, RJ, I2S, DSP	HW, 2 and 3-wire SW	-	2.97-3.63 (Typ 3.3)	1.62-3.63 (Typ 1.8)	W-CSP-20

WM8716	Gaming , Home Entertainment	High performance stereo DAC	2	112 / -97	1.1	192	12S, RJ, LJ	HW, 3-wire SW	Selectable digital filter response	3.0 to 5.5	3.0 to 5.5	SSOP-28
WM8718	Gaming , Home Entertainment	Differential O/P stereo DAC with volume control	2	111 / -100	2	192	I2S, RJ, LJ, DSP	3-wire SW	Digital volume control	3.0 to 5.5	3.0 to 5.5	"SSOP-20
WM8725	Gaming , Home Entertainment	Low cost stereo DAC	2	99 / -80	1	96	12S, RJ	HW	-	2.7 to 5.5	2.7 to 5.5	SOIC-14
WM8726	Gaming , Home Entertainment	Low cost stereo DAC	2	99 / -80	1	96	12S, RJ	HW	-	2.7 to 5.5	2.7 to 5.5	SOIC-14
WM8727	Gaming , Home Entertainment	Low cost stereo DAC	2	98 / -84	1.2	192	128	HW	-	2.7 to 5.5	2.7 to 5.5	SOIC-8
WM8728	Gaming , Home Entertainment	Stereo DAC and volume control	2	106 / -97	1.1	192	I2S, RJ, LJ, DSP	HW, 2/3-wire SW	Digital volume control	3.0 to 5.5	3.0 to 5.5	SSOP-20
WM8740	Gaming , Home Entertainment	High performance stereo DAC	2	120 / -104	2	192	12S, RJ, LJ	HW, 3-wire SW	Selectable digital filter response	3.0 to 5.5	3.0 to 5.5	SSOP-28
WM8741	Gaming , Home Entertainment	High Performance Stereo DAC	2	128 / -100	2	192	I2S, RJ, LJ, DSP, DSD	HW, 2/3-wire SW	Selectable advanced digital filter responses	4.5 to 5.5	3.0 to 3.6	SSOP-28
WM8742	Gaming , Home Entertainment	Stereo DAC with DSD Support	2	126 / -100	2	192	I2S, RJ, LJ, DSP, DSD	HW, 2/3-wire SW	Selectable advanced digital filter responses	4.5 to 5.5	3.0 to 3.6	SSOP-28
WM8762	Gaming , Home Entertainment	Low cost stereo DAC	2	98 / -84	1.2	192	Ш	HW	-	2.7 to 5.5	2.7 to 5.5	SOIC-8

					Stereo low	power DACs						
Part number	Typical Application	Description	DACs	Headphone driver	Speaker drivers	DAC SNR/THD+N (dB)	Line-in to mixer	Clocking	Other features	Analogue supply (V)	Digital supply (V)	Package
WM8711L	PC and Laptops, Home Entertainment, Media Players	Stereo DAC with headphone driver	2	Yes	No	90 / -86	Yes	External MCLK OSC	Output volume and mute control	1.8 to 3.6	1.4 to 3.6	SSOP-28 QFN-28
WM8711B	PC and Laptops, Home Entertainment, Media Players	Stereo DAC with headphone driver	2	Yes	No	90 / -86	Yes	External, MCLK, OSC	Output volume and mute control	1.8 to 3.6	1.4 to 3.6	QFN-24
WM8955	PC and Laptops, Home Entertainment, Media Players	Stereo DAC with H/P and speaker driver	2	Yes	Yes, 400mW	98 / -86	Yes	External MCLK, PLL	Tone control and bass boost	1.8 to 3.6	1.4 to 3.6	QFN-32 QFN-28
WM8956	PC and Laptops, Home Entertainment, Media Players	Stereo DAC with Class D Speaker Driver	2	Yes	Yes	99 / -87	Yes	External MCLK, PLL	Direct battery connection, 3D	2.7 to 5.5	1.7 to 3.6	QFN-32
WM8912	PC and Laptops, Home Entertainment, Media Players	Ultra low power stereo DAC with headphone driver	2	Yes	No	96 / -86	No	External MCLK, FLL	Control write sequencer, dynamic range controller	1.7 to 2.0	0.95 to 3.6	QFN -32
WM8918	Smartphone and Mobile Phones, PC and Laptops, Digital Cameras	High Performance Ultra low power stereo DAC	2	Yes	No	96 / -86	No	External MCLK, FLL	Control write sequencer, dynamic range controller	2.4	3.8	QFN -32 (4x4mm, 0.4mm pitch)

	Ambient Noise Cancellation (ANC)													
Part number	Typical Application	Description	Output Channels	Output Power	SNR / THD+N (dB)	Control (SW/HW)	Supply Modes (V)	Ambient noise reduction (dB)	Noise cancellation bandwidth (Hz)	Input	Mic input	Package		
WM2000	Smartphones, Mobile Phones and Headsets, Tablets, PC and Laptops, Media Players	Handset receiver speaker driver with Wolfson ambient noise cancellation	1 x mono differential	80mW, 16Ω BTL	94/-70 (ANC off) 87 /-67 (ANC on)	2-wire SW	Speaker: 2.7 to 3.6 Digital: 1.71 to 1.89	up to 20	300 to 2500	Single-ended/ differential	Differential	W-CSP-25		
WM2002	Smartphones, Mobile Phones and Headsets, Tablets, PC and Laptops, Media Players	Low power,stereo headphone driver with Wolfson ambient noise cancellation	Stereo, single ended or differential	45mW per channel into a 16Ω load 22mW per channel into a 32 ohm load	92/-80 (ANC Off)	Standalone with the option of 2-wire SW	1.5V AAA battery using internal boost: 0.9 to 1.6 or 2.5V direct supply: 2.0 to 3.3	up to 30	40 to 4000	Single-ended/ Differential	Single ended / Differential	QFN-48		

	Power Management Switching DC-DC Step-													
Part number	Typical Application	Description	Switching Frequency	DVS	GPIOs	DC-DC Step- Down	DC-DC Step-Up	LDO	LED Drivers	Battery Charger	Other features	Package		
WM8310	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, Televisions, Digital Cameras, Home Entertainment, Media Players	Integrated Power Management Subsystem	Selectable up to 4MHz	Yes	12	3	1	10	2	Yes, 1A	Programmable bootstrap configuration, Aux ADC, low power 32kHz RTC, I2C or SPI interface	BGA-169		
WM8321	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, Televisions, Digital Cameras, Home Entertainment, Media Players	Integrated Power Management Subsystem	Selectable up to 4MHz	Yes	12	4	No	11	2	No	Unique BuckWise™ technology, customizable with programmable InstantConfig™EEPROM bootstrap configuration, secure RTC, Aux ADC, low-power 32kHz RTC crystal oscillator, I2C or SPI interface, DVS interface	QFN-81, 8x8 mm		
WM8325	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, Televisions, Digital Cameras, Home Entertainment, Media Players	Integrated Power Management Subsystem	Selectable up to 4MHz	Yes	12	4	No	11	2	No	Unique 2.5A BuckWise™ technology, customizable with programmable InstantConfig™ EEPROM bootstrap configuration, secure RTC, Aux ADC, low-power 32kHz RTC crystal oscillator, I2C or SPI interface, DVS interface	QFN-81, 8x8 mm		
WM8326	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, Televisions, Digital Cameras, Home Entertainment, Media Players	Integrated Power Management Subsystem	Selectable up to 4MHz	Yes	12	4	No	11	2	No	2 X 2.5A BuckWise™ technology DC-DCs, customizable with programmable InstantConfig™ EEPROM bootstrap configuration, secure RTC, Aux ADC, low-power 32kHz RTC crystal oscillator, I2C or SPI interface, DVS interface	QFN-81, 8x8 mm		

	Power Management with Audio														
Part number	Typical Application	Description	DACs / ADCs	Headphone driver	BTL speaker output	DC-DC Step- Down	DC-DC Step-Up	LDO	LED Drivers	Battery Charger	Other features	Package			
WM8350	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, Televisions, Digital Cameras, Home Entertainment, Media Players	Stereo CODEC with Integrated Power Management	2/2	Yes	None	2 x 500mA 2 x 1A	2 x 20V @ 40mA	4 x 150mA	5	Yes, Li-Ion	RTC, Watchdog Timer, Interrupt Controller, 13 GPIOs	BGA-129			
WM8351	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, Televisions, Digital Cameras, Home Entertainment, Media Players	Stereo CODEC with Integrated Power Management	2/2	Yes	None	1 x 1A, 2 x 500mA	1 x 20V @ 40mA	4 x 150mA	4	Yes, Li-lon	RTC, Watchdog Timer, Interrupt Controller ,13 GPIOs	BGA-129			

	S/PDIF Transceivers													
Part number	Typical Application	Description	Channels	Clocking	Non-audio Data Detection	Sample rate (kHz)	Period jitter (ps RMS)	IEC - 60958	Control (SW/HW)	Supply	Package			
WM8804	Gaming , Home Entertainment, Televisions	S/PDIF Digital Interface Transceiver	1 in 1 out	Crystal OSC, PLL	Yes	32, 44.1 to 48, 88.2 to 96, 192	50	Yes	2/3-wire SW or HW	2.7 to 3.6	SSOP-20			
WM8805	Gaming , Home Entertainment, Televisions	S/PDIF Digital Interface Transceiver	8 in 1 out	Crystal OSC, PLL	Yes	32, 44.1 to 48, 88.2 to 96, 192	50	Yes	2/3-wire SW or HW	2.7 to 3.6	SSOP-28			

				Audio Amplifiers	;				
Part number	Typical Application	Description	Output Channels	Output Power	SNR / THD+N (dB)	Control (SW/HW)	Supply Modes	Input	Package
WM9081	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, PC and Laptops, Televisions, Digital Cameras, Home Entertainment, Media Players	Mono DAC with Integrated 2.6W Class AB/D Amplifier	1 x mono differential, 1 x line out	2.6W into $4Ω$ BTL	92 / 72	2,3,4 wire and hardware only	Analogue: 2.7 to 3.6 Speaker: 2.7 to 5.5 Digital 1.7 to 3.6	I2S inputs, analogue inputs	COL-28
WM9082	Smartphones, Mobile Phones and Headsets, PC and Laptops, Televisions, Media Players	PDM Input Mono 3W Class D Speaker Driver	Speaker Driver Mono Class D	3W into 3Ω 2.5W into 4Ω 625mW into 8Ω	100 / -70	Hardware	Speaker 3.2 - 5.5 Digital 1.35 - 2.0		CSP-9 ball
WM9010	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, PC and Laptops, Televisions, Digital Cameras, Home Entertainment, Media Players	Low power Class G stereo headphone driver	Single -ended stereo outputs	28mW into 32Ω	104 / -88	Hardware	Analogue: 2.7 to 3.6 Speaker: 2.7 to 5.5 Digital 1.7 to 3.6	analogue inputs	CSP-12

WM9094	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, Media players. Digital Cameras	Ultra low power audio subsystem including class A/B headphone driver and Class D speaker driver.	Headphone Driver Single -ended stereo output Speaker Driver Mono Class D		Headphone Driver 96 /- 80 Speaker Driver	I ² C 2-wire software control interface	Speaker: 2.7 to 5.5 Digital 1.8 to 2.7	Single ended/ differential	20 bump CSP package
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	Imaging ADCs										
Part number	Typical Application	Description	Resolution (bits)	Speed (MSPS)	Input PGA	Offset (bits)	Output format	Control interface	Supply	Power (mW)	Package
WM8152	Printers and Scanners	Single channel CCD/CIS ADC	16	12	8	8	CMOS: 4x4	Serial	4.8 to 5.2	225	SSOP-20
WM8196	Printers and Scanners	3-channel CCD/ CIS ADC	16	12	8	8	CMOS: 8+8, 4x4	Serial	4.8 to 5.2	300	SSOP-28
WM8199	Printers and Scanners	3-channel high speed CCD/CIS ADC	16	20	8	8	CMOS: 8+8, 4x4	Serial	4.8 to 5.2	360	SSOP-28
WM8213	Printers and Scanners	3-channel CCD/ CIS ADC	16	24	9	8	CMOS: 8+8, 4x4	Serial	3.0 to 3.6	350	SSOP-28
WM8214	Printers and Scanners	3-channel high speed CCD/CIS ADC	16	40	9	8	CMOS: 8+8, 4x4	Serial	3.0 to 3.6	390	SSOP-28
WM8215	Printers and Scanners	3-channel high speed CCD/CIS ADC	10	60	9	8	CMOS: 10-bit	Serial	3.0 to 3.6	360	QFN-32
WM8224	Printers and Scanners	3-Channel High Speed CCD/CIS ADC - Multiple Device Operation and automatic black level cal	10 & 16	40 & 60	9	8	CMOS 10 (10 bit), 8+8 (16 bit)	Serial	3.0 to 3.6	360	QFN-32
WM8232	Printers and Scanners	3-channel high speed CCD/CIS ADC	16	70	12-bit	8	LVDS 10-bit 5 pair LVDS 16-bit 5 pair CMOS 10-bit	Serial	3.3V	-	56-lead QFN package 8mm x 8mm
WM8233	Printers and Scanners	6-channel high speed CCD/CIS ADC	16	70	12-bit	8	LVDS 10-bit 5 pair LVDS 16-bit 5 pair CMOS 10-bit	Serial	3.3V	-	56-lead QFN package 8mm x 8mm
WM8234	Printers and Scanners	6-channel high speed CCD/CIS ADC	16	70	12-bit	8	LVDS 10-bit 5 pair LVDS 16-bit 5 pair CMOS 10-bit	Serial	3.3V	-	56-lead QFN package 7mm x 7mm
WM8235	Printers and Scanners	9-channel high speed CCD/CIS ADC	16	70	12-bit	8	LVDS 10-bit 5 pair LVDS 16-bit 5 pair CMOS 10-bit	Serial	3.3V	-	56-lead QFN package 7mm x 7mm
WM8253	Digital Cameras, Printers and Scanners	Single Channel CCD/CIS ADC	16	6	8	8	CMOS: 4x4	Serial	3.0 to 3.6	132	SSOP-20
WM8255	Digital Cameras, Printers and Scanners	Single Channel CCD/CIS ADC	16	12	8	8	CMOS: 4x4, 2x8	Serial	3.3 to 5.75	250	QFN-28

WM8259	Printers and Scanners	Single Channel CCD/CIS ADC	16	3	8	8	CMOS: 4x4	Serial	2.97 to 3.63	132	SSOP-20	
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MEMS Microphones - Analogue Silicon Microphone												
Part number	Typical Application	Description	SNR (dB)	THD @104dB SPL (%)	Sensitivity (dBV/ Pa)	Sensitivity Tolerance (dB)	Supply (V)	Supply current (uA)	Package			
WM7121	Smartphones, Mobile Phones and Headsets, Tablets, Gaming , PCs and Laptops, Televisions, Digital Cameras	Top Port Analogue Silicon Microphone	65	0.25	-38	±3	1.5 to 3.7	200	3.76 x 2.95 x 1.10mm			
WM7130A	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, PCs and Laptops, Televisions, Digital Cameras, Media Players	Bottom Port Analogue Silicon Microphone	61	0.25	-38	±3	1.5 to 3.7	140	3.76 x 3.00 x 1.10mm			
WM7130AE	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, PCs and Laptops, Televisions, Digital Cameras, Media Players	Bottom Port Analogue Silicon Microphone	61	0.25	-38	±1	1.5 to 3.7	140	3.76 x 3.00 x 1.10mm			
WM7132	Smartphones, Mobile Phones and Headsets, Tablets, Gaming , PCs and Laptops, Televisions, Digital Cameras	Bottom Port Analogue Silicon Microphone	65	0.25	-38	±3	1.5 to 3.7	200	3.76 x 2.95 x 1.10mm			
WM7133L	Smartphones, Mobile phones and Headsets, Tablet Computers, Handheld and Console Gaming Products, PCs and Notebooks, Televisions, Digital Camera (still and video), Portable Media Players	Bottom Port Analogue Silicon Microphone	65	0.25	-38	±3	1.5 to 3.7	200	3.35 x 2.50 x 0.98mm			

	MEMS Microphones - Digital Silicon Microphones											
Part number	Typical Application	Description	SNR (dB)	THD @100dB SPL (%)	Sensitivity (dBFS/ Pa)	Sensitivity Tolerance (dB)	Supply (V)	Supply current (uA)	Package			
WM7210	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, PCs and Laptops, Televisions, Digital Cameras, Media Players	Top Port Digital Silicon Microphone	58	0.1	-26	±3	1.64 to 3.7	650	4.0 x 3.0 x 1.0 mm			
WM7210E	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, PCs and Laptops, Televisions, Digital Cameras, Media Players	Top Port Digital Silicon Microphone	58	0.1	-26	±1	1.64 to 3.7	650	4.0 x 3.0 x 1.0 mm			
WM7220	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, PCs and Laptops, Televisions, Digital Cameras, Media Players	Top Port Digital Silicon Microphone	58	0.1	-26	±3	1.64 to 3.7	650	4.72 x 3.76 x 1.2 mm			

WM7220E	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, PCs and Laptops, Televisions, Digital Cameras, Media Players	Bottom Port Digital Silicon Microphone	61	0.1	-26	±3	1.64 to 3.7	650	4.0 x 3.0 x 1.0 mm
WM7230	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, PCs and Laptops, Televisions, Digital Cameras, Media Players	Bottom Port Digital Silicon Microphone	61	0.1	-26	±3	1.64 to 3.7	650	4.0 x 3.0 x 1.0 mm
WM7230E	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, PCs and Laptops, Televisions, Digital Cameras, Media Players	Bottom Port Digital Silicon Microphone	61	0.1	-26	±1	1.64 to 3.7	700	4.0 x 3.0 x 1.0 mm

						Audio Hubs							
Part number	Typical Application	Description	DACs / ADCs	Headphone driver	BTL speaker output	DAC SNR/THD (dB)	ADC SNR/THD (dB)	Clocking	Advanced DSP features	Other Features	Analogue Supply (V)	Digital Supply (V)	Package
WM1811	Smartphones, Mobile Phones and Headsets, Tablets, Medial Players	Stereo CODEC with 3 digital audio interfaced	2/2	Yes	Yes, up to 2W stereo	100 / -83	94 / -84	External MCLK, dual FLL	ReTuneTM parametric equaliszer, dynamic range controller, digital noise gate	Asynchronous sample rate conversion, integrated LDOs, 2x digital mic interface	1.71 to 5.5	1.0 to 3.6	W-CSP-80
WM8753	Smartphones, Mobile Phones and Headsets, Gaming , Digital Cameras, Home Entertainment	Voice and audio CODEC	3/2	Yes	Yes, 500mW	98 / -84	95 / -82	PCM, I ² S	External MCLK, PLLs	Differential MIC inputs	1.8 to 3.6	1.4 to 3.6	QFN-48 7x7mm BGA-55 5x5mm
WM8958	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, Media Players	Multi-channel CODEC with 3 digital audio interfaces and speaker- enhancement DSP	4/2	Yes	Yes, up to 2W stereo	100 / -83	94 / -84	External MCLK dual FLL	MBC, parametric equalizer, dynamic range controller, powerful mixer	Asynchronous sample rate conversion, integrated LDOs, 4x digital mic interface	1.71 to 5.5	1.0 to 3.6	W-CSP-72
WM8993	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, Media Players	CODEC with stereo speaker drivers and Class W headphone driver	2/2	Yes	Yes, 1W per channel x2 or 2W per channel x1	100 / -86	94 / -87	External MCLK, FLL	ReTuneTM parametric equaliszer, dynamic range controller	Active noise reduction, fully differential low noise paths	2.2 to 3.3	1.1 to 2.0	W-CSP-48
WM8994	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, Media Players	Multi-channel CODEC with 3 digital audio interfaces	4/2	Yes	Yes, up to 2W stereo	100 / -83	94 / -84	External MCLK dual FLL	Parametric equalizer, dynamic range cotnroller, powerful mixing	Asynchronous sample rate conversion, integrated LDOs	1.7 to 5.5	1.0 to 3.6	W-CSP-72
WM8996	Smartphones, Mobile Phones and Headsets, Tablets, Gaming, Media Players	Multi-channel CODEC with 2 digital audio interfaces	4/2	Yes	Stereo PDM speaker amplifier interface	99 / -81	94 / -81	External MCLK, FLL	ReTuneTM parametric equaliszer, dynamic range controller	ISRC, 4x digital microphone interface, 2x PDM speaker amplifier interface	1.71 to 3.6	0.95 to 2.0	W-CSP-54

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