

Semiconductor
Products
for Wireless
Communications

- DECT
- GSM
- PCN
- CT2
- WLAN



MOTOROLA

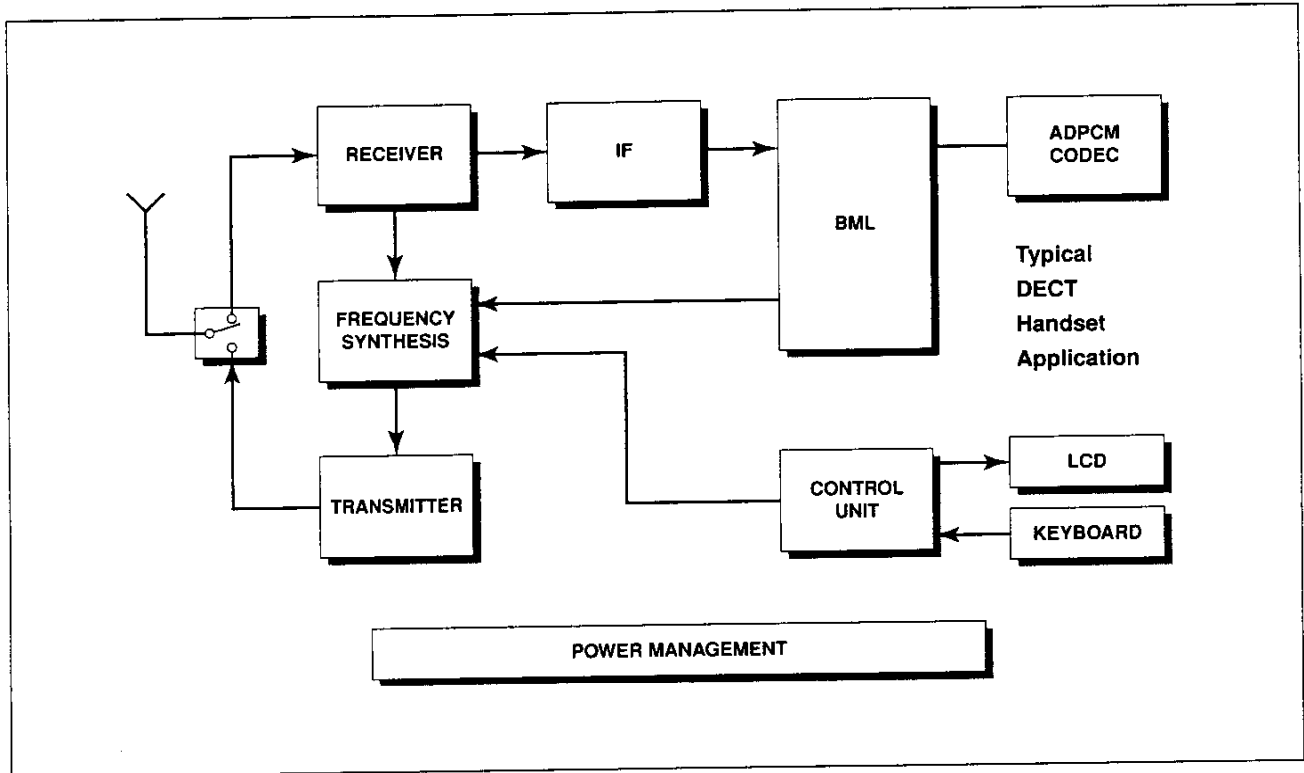
Semiconductor Products for Wireless Communications

This document contains a sample of our vast portfolio of products dedicated to Wireless Communications. Motorola provides a number of unique, state-of-the-art silicon solutions with particular emphasis on the new digital systems that Europe has pioneered. For more detailed information and application support, please contact your nearest Motorola sales office.

Contents

<i>Products for DECT Applications</i>	<i>3</i>
<i>Products for GSM, PCN and CT2 Applications</i>	<i>4</i>
<i>Products for Wireless LAN Applications</i>	<i>6</i>

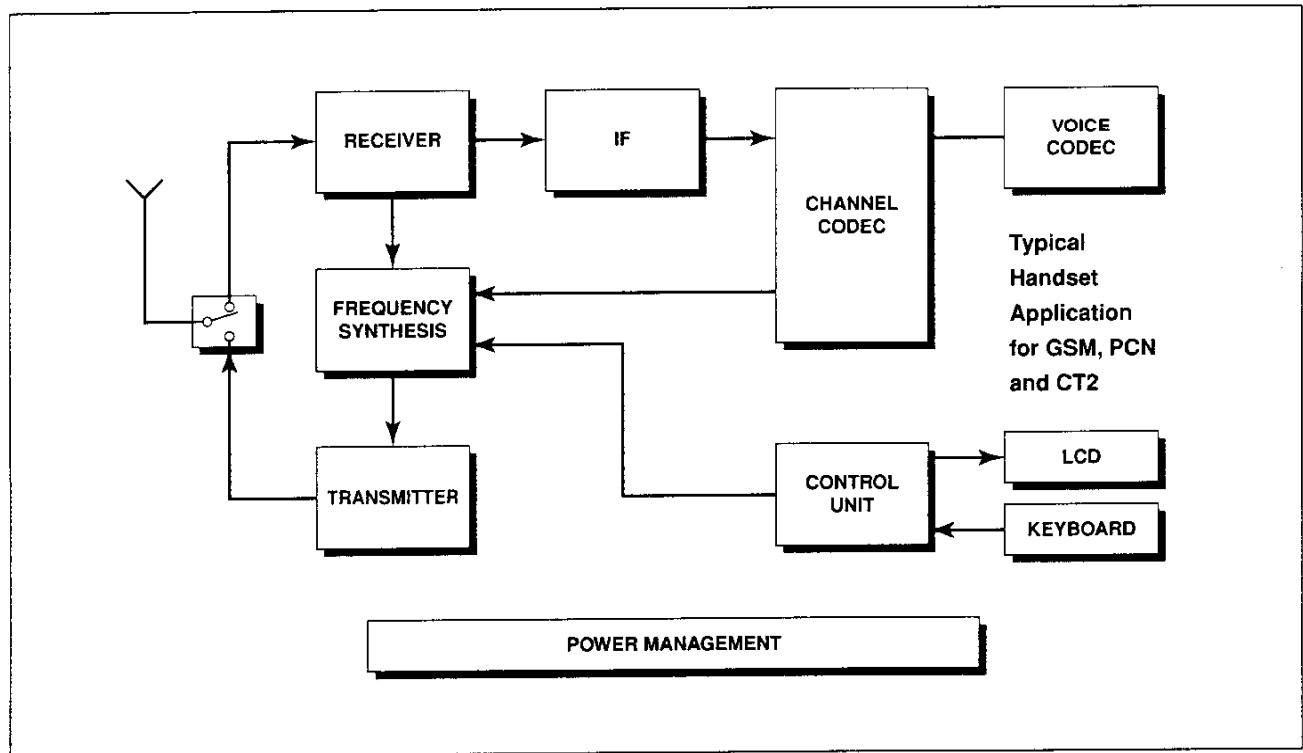
Products for DECT Applications



Standard Products for DECT

Block	Product	Function	Status	Voltage (V)	Package
RECEIVER	MRFIC1804	1.8 GHz downconverter	NOW	2.7-3.3	SO-16
	MC13158	Wideband FM IF	NOW	1.8	QFP-32
	MRF9411LT1	2.0 GHz LNA	NOW	6.0	SOT-143
TRANSMITTER	MRFIC1803	1.8 GHz upmixer	NOW	2.7-3.3	SO-16
	MRFIC1806	Driver & ramp	Q4/94	3.0-4.5	SO-16
	MRFIC1807	PA & switch	Q4/94	3.0-4.5	SO-16
	MRFIC1801	1.8 GHz TX/RX switch	NOW	2.7-5.5	SO-8
FREQUENCY SYNTHESIS	MC12054	2.0 GHz +64/128 low power prescaler	Q4/94	2.7-5.5	DIP/SO/SSOP-8
	MC12206	2.0 GHz low power PLL synthesiser	Q4/94	2.7-5.5	SO16/TSSOP-20
	MC145201	2.0 GHz PLL	NOW	4.5-5.5	SO-16
	MC145202	2.0 GHz PLL	Q4/94	2.7-5.5	SO-16
CONTROL UNIT	MC68302	Keyboard/LCD	NOW	3.3-5.0	144 TQFP
	MC68HC11PH8	Microcontroller	NOW	2.7-5.0	PLCC/QFP
	MC68307	Integrated MPU	Q1/95	3.0-5.0	PQFP/TQFP
CODEC	MC145540	ADPCM codec	NOW	2.7-5.0	SO/DIP-28
POWER MANAGEMENT	MC33128	Power manager	NOW	3.6	SO-16
	MMDF2P01HD	TMOS switch	NOW	3.0-12	SO-8

Products for GSM, PCN and CT2 Applications



Standard Products for GSM

Block	Product	Function	Status	Voltage (V)	Package
RECEIVER	MMBR941LT1	1.0 GHz LNA	NOW	6.0	SOT-23
	MRFIC0901	900 MHz downconverter	Q4/94	3.0-5.0	SO-16
TRANSMITTER	MRFIC2002	900 MHz upmixer	NOW	3.0-5.0	SO-8
	MRFIC2101	Mixer exciter	NOW	3.0-5.0	SO-16
	MRFIC0903	TX/RX class 4 & 5 switch	Q4/94	2.7-5.0	SO-8
	MRFIC2101	Mixer exciter	NOW	3.0-4.8	SO-16
	MHW902	3-stage Power Amplifier	NOW	6.0	420E/01
	MHW2902	3-stage Power Amplifier	NOW	6.0	420L/02
	MRF9742/62	2.5W LDMOS Discrete	Q4/94	5.8	SO-8
	FREQUENCY SYNTHESIS	MC12052	1.1 GHz +64/128 low power prescaler	Q3/94	2.7-5.5
MC12202		1.1 GHz low power PLL synthesiser	Q4/94	2.7-5.5	SO16/TSSOP-20
MC145192		1.1 GHz PLL	NOW	4.5-5.5	SO-16
MC145220		1.1 GHz dual PLL	Q4/94	2.7-5.5	SO-16
CONTROL UNIT	MC68302	Keyboard/LCD	NOW	3.3-5.0	144 TQFP
	MC68332	Controller	NOW	5.0	QFP
	MC68307	Integrated MPU	Q1/95	3.0- 5.0	PQFP/TQFP
CODEC	MC145480	Codec	NOW	5.0	DIP/SO-20
	DSP56158	Voice and channel codec	NOW	4.0	PQFP/TQFP-112
POWER MANAGEMENT	MC33128	Power Manager	NOW	3.6	SO-16
	MMDF4P01HD	TMOS switch	NOW	3.0-12	SO-8

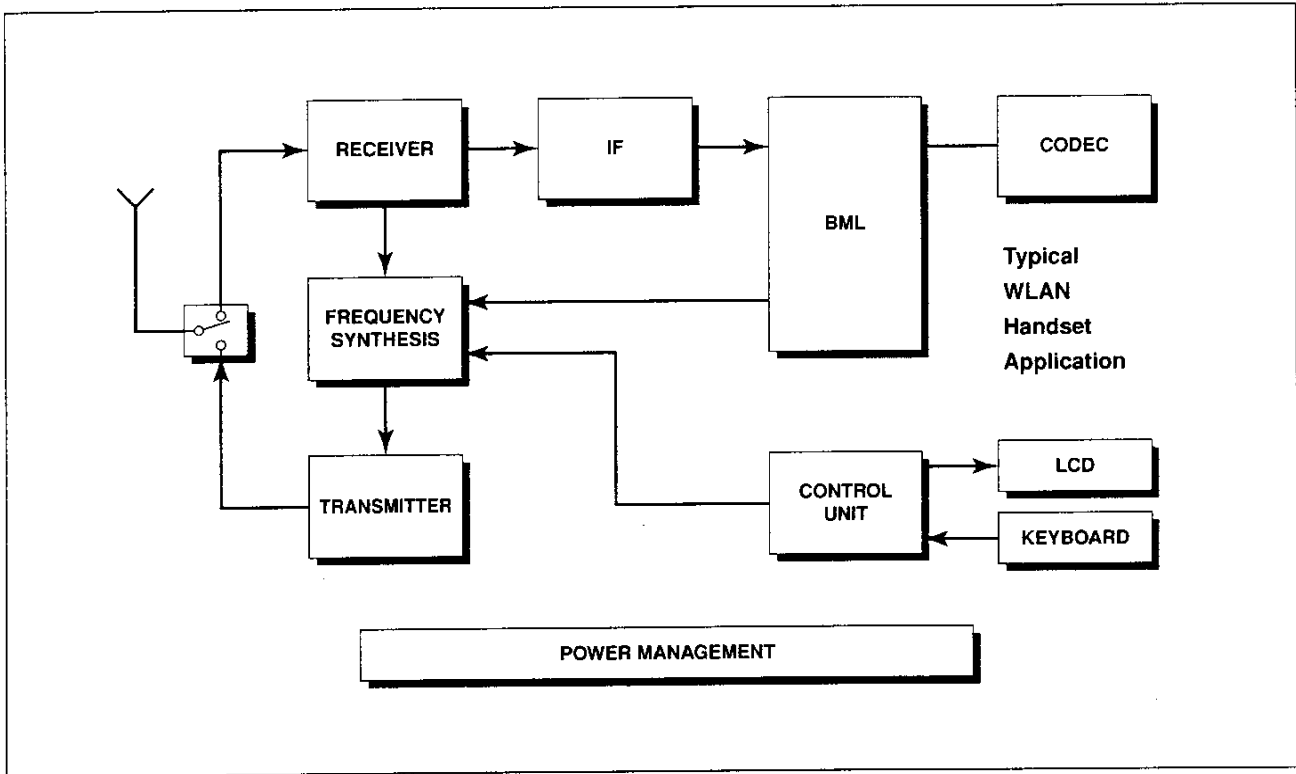
Standard Products for PCN

Block	Product	Function	Status	Voltage (V)	Package
RECEIVER	MHFIC1804	1.8 GHz downconverter	NOW	2.7-3.3	SO-16
	MRF9411LT1	2.0 GHz LNA	NOW	6.0	SOT-143
TRANSMITTER	MRFIC1803	1.8 GHz upmixer	NOW	2.7-3.3	SO-16
	MRFIC2101	Mixer exciter	NOW	3.0-4.8	SO-16
	MHW9012	3-stage power amplifier	NOW	5.8	420/01
	MHWXXX	2-Stage power amplifier	NOW	5.8	SMD
	MRF9801/4/15	2W GaAs discrete line up	Q2/95	5.8	SOT143/PLD1
FREQUENCY SYNTHESIS	MC12054	2.0 GHz +64/128 low power prescaler	Q4/94	2.7-5.5	DIP/SO/SSOP-8
	MC12206	2.0 GHz low power PLL synthesiser	Q4/94	2.7-5.5	SO-16/TSSOP20
	MC145201	2.0 GHz PLL	NOW	4.5-5.5	SO-16
	MC145202	2.0 GHz PLL	Q4/94	2.7-5.5	SO-16
CONTROL UNIT	MC68302	Keyboard/LCD	NOW	3.3-5.0	144 TQFP
	MC68332	Controller	NOW	5.0	QFP
	MC68307	Integrated MPU	Q1/95	3.0-5.0	PQFP/TQFP
CODEC	MC145480	Codec	NOW	5.0	DIP/SO-20
	DSP56158	Voice and channel codec	NOW	5.0	CQFP/TQFP112
POWER MANAGEMENT	MC33128	Power manager	NOW	3.6	SO-16
	MMDF4P01HD	TMOS switch	NOW	3.0-12	SO-8

Standard Products for CT2

Block	Product	Function	Status	Voltage (V)	Package
RECEIVER	MRFIC2001	900 MHz downmixer	NOW	3.0-5.0	SO-8
	MC13156	Wideband FM IF	NOW	1.8	QFP32/SO-28
TRANSMITTER	MRFIC2002	900 MHz upmixer	NOW	3.0-5.0	SO-8
	MRFIC2003	CT2 TX/RX switch	NOW	3.0-5.0	SO-8
	MRFIC2004	CT2 Driver & ramp	NOW	3.0-5.0	SO-16
	MRFIC2006	CT2 Power Amplifier	NOW	3.0-5.0	SO-8
FREQUENCY SYNTHESIS	MC12052	1.1 GHz +64/128 low power prescaler	Q4/94	2.7-5.5	DIP/SO/SSOP-8
	MC12202	1.1 GHz low power PLL synthesiser	Q4/94	2.7-5.5	SO-16/TSSOP20
	MC145192	1.1 GHz PLL	NOW	4.5-5.5	SO-16
	MC145220	1.1 GHz dual PLL	Q4/94	2.7-5.5	SO-16
CONTROL UNIT	MC68302	Keyboard/LCD	NOW	3.3-5.0	144 TQFP
	MC68HC11E9	Controller	NOW	2.7-5.0	PLCC/QFP
	MC68307	Integrated MPU	Q1/95	3.0-5.0	PQFP/TQFP
CODEC	MC145540	ADPCM codec	NOW	2.7-5.0	SO/DIP-28
	MC145542	ADPCM codec and BML	NOW	2.7-5.0	QFP-64
POWER MANAGEMENT	MC33128	Power manager	NOW	3.6	SO-16


Products for Wireless LAN Applications



Standard Products for WLAN

Block	Product	Function	Status	Voltage (V)	Package
RECEIVER	MRFIC2401	2.4 GHz downmixer	NOW	5.0	SO-16
	MC13158	Wideband FM IF	NOW	1.8	QFP-32
TRANSMITTER	MRFIC1803	2.4 GHz upmixer	NOW	3.0-5.0	SO-16
	MRFIC1801	TX/RX switch	NOW	3.0-5.0	SO-8
	MRFIC2403	2.4 GHz buffer	NOW	5.0	SO-16
	MRFIC2404	2.4 GHz amplifier	NOW	5.0	SO-16
FREQUENCY SYNTHESIS	MC12210	2.5 GHz +32/64 PLL synthesizer	Q4/94	2.7-5.5	SO-16/TSSOP-20
CONTROL UNIT	MC68302	Keyboard/LCD	NOW	3.3-5.0	144 TQFP
	MC68306	Integrated MPU	Q4/94	5.0	PQFP/TQFP
	MC68307	Integrated MPU	Q1/95	3.0-5.0	PQFP/TQFP
POWER MANAGEMENT	MC33128	Power manager	NOW	3.6	SO-16

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