RF Building Blocks
Wireless Data
Digital Voice
Design, Manufacture, Supply

CML Microcircuits is a world-leader in the design, development and supply of low-power analogue, digital and mixed-signal semiconductors. CML delivers innovative RF, Wireless Data and Digital Voice solutions into the global communications industry, focusing on high quality, flexibility and product longevity.

**RF Building Blocks**

**RF Power Amplifiers**
- CMX901 - 130-950 MHz RF PA
- CMX902 - 130-700 MHz RF PA

**Analogue Front End (AFE)**
- CMX983 – Digital Radio AFE with RF Synths

**Transceivers (Tx/Rx)**
- CMX973 - RF Quadrature Modulator/Demodulator
- CMX991 - RF Quadrature Transceiver
- CMX975 - 2.7GHz Up/down Converter
- CMX979 - Dual Synth and PLL

**Receivers (Rx)**
- CMX994A/CMX994E - RF Direct Conversion Receiver
- CMX972 - Quadrature Demodulator
- CMX970 - IF/RF Quadrature Demodulator
- CMX992 - RF Quadrature/Low IF Receiver

**Transmitters (Tx)**
- CMX971 – RF Quadrature Modulator
- CMX993 - RF Quadrature Modulator
- CMX993W - RF Quadrature Wideband Modulator
- CMX998 - Cartesian Feedback Loop Transmitter

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**Analogue Front End (AFE)**

**Baseband Processing**

**Digital Gain Control**

**Voice Coding**

**RF/IF Synths**
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Digital Two-way Radio Processing
CMX7241/CMX7341 - Common Platform PMR Processors
SCT3258 - DMR/dPMR Processor + embedded Vocoder
SCT3268 - DMR/dPMR Processor + embedded Vocoder + ARM

Wireless Data Packet Modems
CMX7164 - Multi-mode Modem (IQ)
CMX7163 - QAM Modem (IQ)
CMX7143 - Multi-mode Modem (LD)
CMX469A - FFSK/MSK Modem
CMX589A – GMSK/GFSK Modem

Digital Voice
CMX655D - Ultra-low Power Voice Codec
CMX7011 - Voice Encryption Processor
CMX7261 - Multi-transcoder
CMX608 - RALCW Vocoder
CMX618/CMX638 - RALCW Vocoder
CMX7262 - TWELP Vocoder

Marine Communications
CMX910 – AIS Class A Baseband Processor
CMX7032/CMX7042 - AIS Class A/B Transceiver + exactTrax™
CMX7045 - AIS SART Processor
CMX885 - Marine VHF Audio and DSC processor
VDES1000 - Complete Marine VDES SDR solution

2.4GHz Licence Free Digital Voice and Data Transceiver
SCT2400 2.4GHz Digital Voice and Data Transceiver
Key Values

CML offices in UK, Singapore and USA providing Sales, Marketing and Technical support

Global distributor network supporting customers locally

High integration, low power operation, high performance, low risk

CML design and manufacturing ISO 9001: 2015 certified

100% testing ensuring high quality/reliability products

High integration and high performance reduces overall system size and cost

Low power operation by design, a key factor in battery powered systems

Application Specific Standard Products (ASSP)
Semi-custom and custom products

50 years in the communication semiconductors Industry

Visit

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