

CT1/CT1+ Analog Cordless

CT1/CT1+ Analog Cordless Chipset

CT1/CT1+

CT1 and CT1+ have been chosen as the analog cordless standard by PTTs in several European countries. Their choice was based on the CT1/CT1+ multi-channel capability and 900MHz frequency. The high-frequency used and smaller market for this standard has made CT1/CT1+ sets inherently more expensive than CT0. However, as CT0 now features a multi-channel capability, consumer pressure is forcing CT1/CT1+ price-reductions. A low-voltage, auto-scan MCA solution for CT1/CT1+ offers a highly competitive package:

- A full solution for CT1 and CT1+ with software/hardware modifications available on request, and help in obtaining PTT approval
- One base-station can operate up to six handsets
- Advanced communication protocol
- 21-bit security code (factory or user programmable)
- 2-way paging and 2-way intercom
- Call transfer between base unit & handset OR handset & handset
- Noise reduction for high audio performance
- DTMF/pulse dialling, or mixed-mode dialling
- Programmable country settings, for all European countries.

The base-station unit offers a full-function speaker phone with keypad for use without handset, and a last number redial memory of 23 digits. It also includes a repertory dial memory (10 numbers of 23 digits), a music-on-hold facility and a fast battery charger (< 4 hrs).

The handset features the same number-memory facilities as the base-station unit, out-of-range warning and low battery warning. Battery management assures a standby time of more than 24 hours, with the handset supporting fixed or replaceable batteries.

For CT1/CT1+, Philips also provide production-line testing software and service-engineer maintenance software.

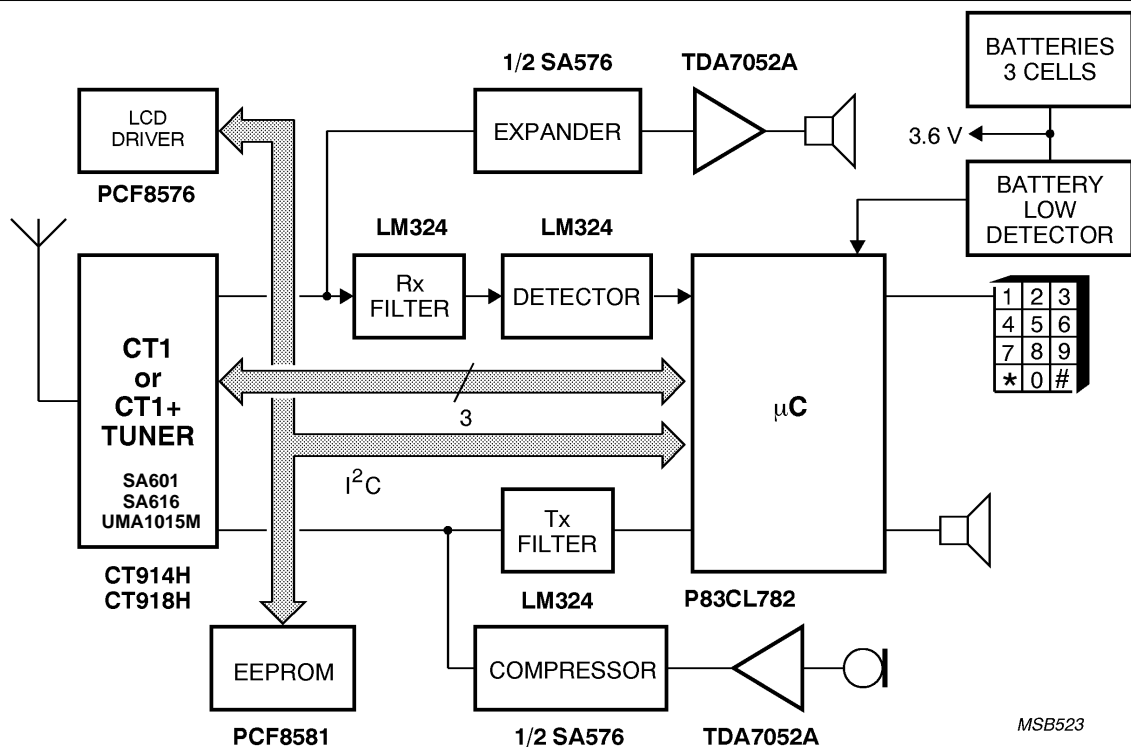
Evaluation kits

Demo/evaluation boards are available: type OM4743 for CT1 and type OM4744 for CT1+.

The Philips Semiconductors CT1/CT1+ chipset consists of:

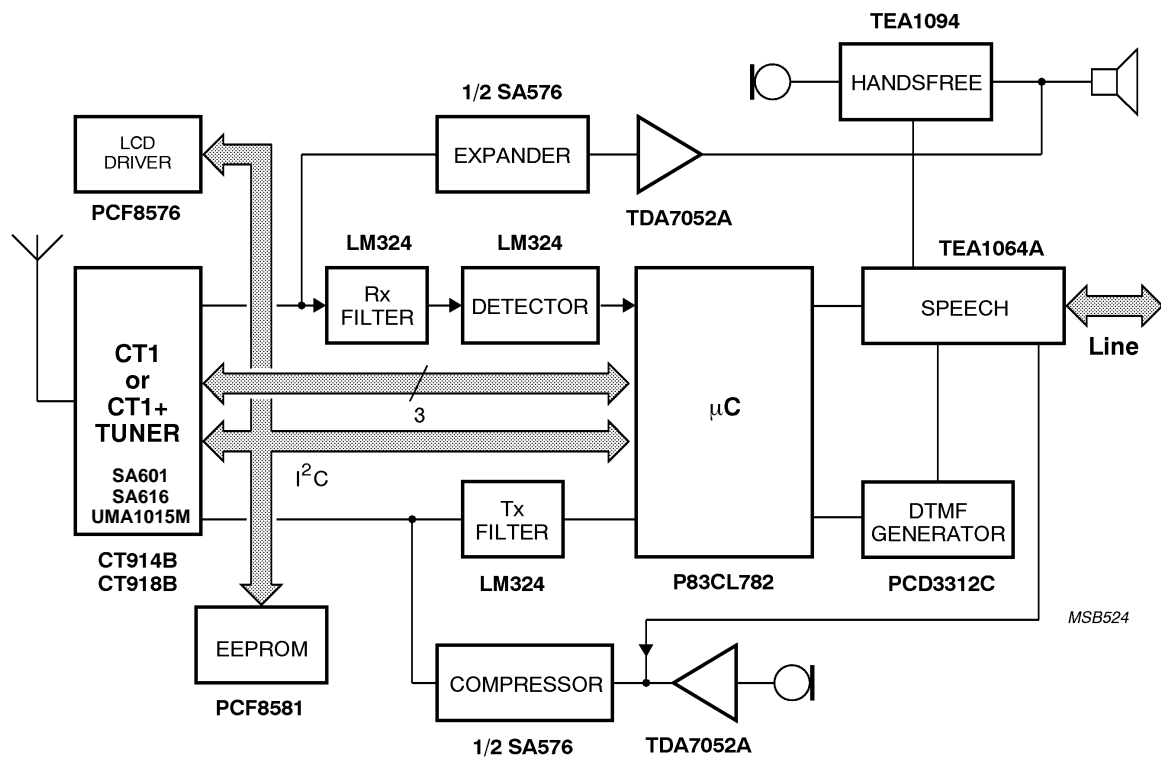
		IC17 Page
SA601	Low voltage LNA and mixer — 1GHz	64
SA616	Low voltage high performance mixer FM/IF system	506
UMA1015M	Low power dual frequency synthesizer for radio communications	850
NE/SA576	Low power compandor	1433
PCD3312	DTMF generator	IC03
P83CL782	Low voltage microcontroller	IC20
TEA1064AT	Speech and Line Interface (base-station)	IC03
TEA1094	Handsfree Speaker Phone Amplifier (base-station)	IC03
TDA7052A/AT	1-Watt low voltage audio power amp with DC volume control	IC01

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MSB523

CT1/CT1+ Handset Solution



MSB524

CT1/CT1+ Base-station Solution