

DTMF Detection and Generation Software (DTMF Software)

Floreat's DTMF software implements the ITU-T Q.23 recommendation. It supports Dual Tone Multi Frequency detection and generation. The DTMF software interfaces with 8 KHz PCM sampled data for generating and decoding the digits and supports both sample-by-sample and block based processing. Floreat's DTMF software conforms to Bell core, MITEL and EIA/ TIA test standards.

The Floreat DTMF telephony signaling software is modular, re-locatable and re-entrant to support multi-channel capability and can operate within a multi-tasking environment or as a single task. It supports user callable functions and can be integrated with Floreat's other fax, telephony, speech compression, VoIP, FoIP, DSVD, imaging and video software for various applications. Floreat DTMF software is supported on various DSPs and processors as well as offered in ANSI C.

Features:

- Supports detection and generation of 16 DTMF digits
- Implementation of ITU Q.23 recommendations
- Conforms to Bell core, MITEL and EIA/ TIA test standards
- Supports user callable functions
- Easily portable, re-entrant and re-locatable code
- C callable APIs

Floreat supports its software on the following DSPs, Controllers and Processors

- TI C5000 and C6000
- Intel Pentium fixed and floating point and XScale
- ADI Blackfin (BF53x), SHARC 21xxx
- ARM 7/9/9E, MIPS
- PowerPC, STM, SuperH cores, Philips Nexperia
- CEVA (formerly DSPG's licensing division)
- Ported by customers to their processors:
 - NEC
 - STM
 - Zilog

- ▶ For further information on the standard, please click [ITU Standards](#).
- ▶ For our brief profile, please click [Company Profile](#).
- ▶ For further inquiry, please send us an [Inquiry Form](#) or send an email to info@floreatinc.com.