

Repertory pulse/DTMF dialler with redial and on-hook dialling

PCD3344/011

FEATURES

- On-hook dialling
- Redial
- Extended redial
- Number of digits per call is infinite (FIFO register)
- 10 or 20 repertory numbers of maximum 36 digits (total 240 digits)
- Electronic note pad
- 4 x 5 keyboard (function keys: store, flash, Last Number Redial (LNR), tone, hold, hook, access pause and shift)
- Keyboard extension for maximum 20 repertory numbers
- Eleven diode or strap functions:
 - mark-to-space ratio: 2:1 or 3:2 (only for 10 Hz)
 - flash time (100, 270, 540 or 650 ms)
 - dial frequency (10 or 20 Hz)
 - normal or direct dialling (emergency)
 - tone burst time (70/80 or 100/140 ms)
 - pulse dialling for Sweden
 - pulse dialling for Norway and New Zealand
 - dial mode: pulse or DTMF
 - flash entry store
 - key depressing/tone burst (instead of continuous tone)
 - access pause time (1.5/3 or 3/6 s)

- Special inputs: CE and RESET
- Special outputs: music-on-hold and MUTE
- Manual insertion of access pause
- Automatic insertion of access pause
- Access pause time for pulse dialling 3 or 6 s
- Access pause time for DTMF 1.5 or 2.5 s
- On-chip power-on reset
- 2.5 to 6.0 V operating supply voltage
- 3.58 MHz crystal oscillator.

GENERAL DESCRIPTION

The PCD3344/011 is a single-chip CMOS dialler IC for telephone sets with on-hook dialling and up to 20 number repertory dial facilities. It has an on-chip DTMF/melody generator including switch capacitor filters to provide low harmonic distortion, fulfilling the CEPT requirements. In addition to manual dialling it also features several automatic functions. Described in PCALE Application Report "PCD3344/006".

ORDERING INFORMATION

| EXTENDED TYPE NUMBER | PACKAGE | | | |
|----------------------|---------|--------------|----------|---------|
| | PINS | PIN POSITION | MATERIAL | CODE |
| PCD3344P/011 | 28 | DIL | plastic | SOT117 |
| PCD3344T/011 | 28 | SO28 | plastic | SOT136A |