

Multistandard pulse/tone repertory dialler/ringer

PCD3332-1

FEATURES

- Pulse and DTMF mixed mode dialling
- 10 number repertory dial up to 32 digits
- Last number redial up to 32 digits
- Flash and Earth register recall
- Access pause generation and termination
- Function keys for: Program, Memory recall, Flash, LNR, pause and Tone
- Strap functions:
 - Mark-to-space ratio (3 : 2 or 2 : 1)
 - Tone burst times
 - Access pause time
 - Pulse or DTMF switch
 - Register recall Flash or Earth
 - Parcifier tones select
 - Ringer frequency select
- Ringer tone generation
- Ringer input frequency discriminator (20 to 54 Hz)
- Ringer sound selection via keypad
- Memory monitor
- Parcifier tones

GENERAL DESCRIPTION

The PCD3332-1 is a mixed-mode multistandard repertory dialler/ringer IC fabricated in a low threshold voltage CMOS technology and is a member of the Philips family of telecommunication ICs.

Dial parameters of this IC can be set by diode options to specific country requirements.

The on-chip tone generators are used for DTMF dialling and ringer melody generation.

A discriminator input enables the tone output only if a correct ringer frequency is applied.

The memory contents of a repertory dial location can be up to 32 digits with a maximum total of 254 digits.

ORDERING INFORMATION

EXTENDED TYPE NUMBER	PACKAGE			
	PINS	PIN POSITION	MATERIAL	CODE
PCD3332-1P	28	DIL	plastic	SOT117
PCD3332-1T	28	mini-pack	plastic	SO28; SOT136A

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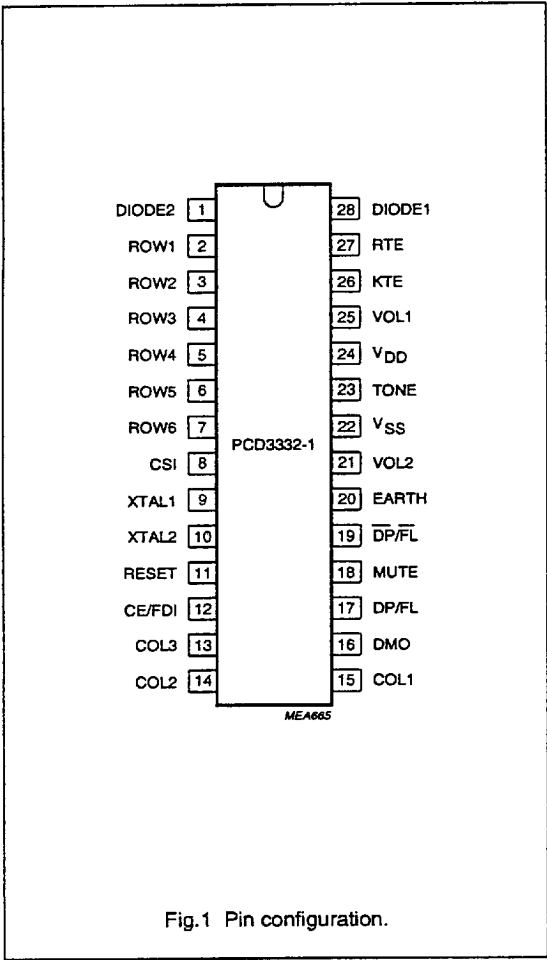


Fig.1 Pin configuration.

PINNING

SYMBOL	PIN	DESCRIPTION
DIODE2	1	diode 2 option row
ROW1	2	row keyboard output
ROW2	3	row keyboard output
ROW3	4	row keyboard output
ROW4	5	row keyboard output
ROW5	6	row keyboard output
ROW6	7	row keyboard output
CSI	8	cradle switch input
XTAL1	9	oscillator input
XTAL2	10	oscillator output
RESET	11	reset input
CE/FDI	12	chip enable/frequency discriminator
COL3	13	column keyboard input
COL2	14	column keyboard input
COL1	15	column keyboard input
DMO	16	dial mode output
DP/FL	17	dial pulse/flash output
MUTE	18	mute output
DP/FL	19	dial pulse/flash inverted
EARTH	20	earth recall output
VOL2	21	volume 2 output
V _{ss}	22	negative supply
TONE	23	tone generator output
V _{DD}	24	positive supply
VOL1	25	volume 1 output
KTE	26	key tone enable
RTE	27	ringer tone enable
DIODE1	28	diode 1 option row