

**MOTOROLA****MC145416***Product Preview*

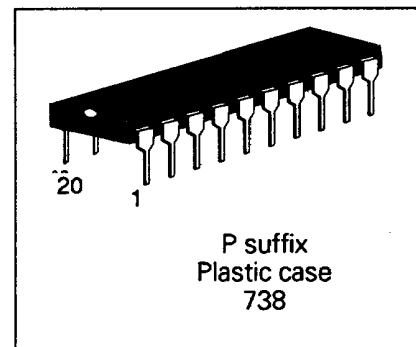
Tone / Pulse dialler with 10-number memory plus 3 emergency numbers

The MC145416 is a silicon gate HCMOS IC which converts keyboard inputs into either pulse or DTMF outputs for telephone dialing. All of the features for implementing pulse or DTMF or mixed dialing are provided, including 10 x 18-digit memories inclusive of last number redial. Also provided are the advanced features of FLASH, 3 x 18 dedicated memories, note pad programming, and a dial mode status output.

To ensure the content of the memories is preserved, this is given the highest priority on Power On Reset, when the voltage drops below the minimum level, regardless of the switch hook status.

The MC145416 offers the following performance features.

- Stand-alone Pulse, DTMF, or Mixed Dialing
- Pacifier Tone Output during Pulse Dialing
- Dialing mode is pin selectable and changed by keyboard entry
- Uses low cost 3.5795MHZ TV color burst crystal
- PABX Pause Storage
- Cascaded Memory Redial, and Dialing Mode Storage
- Dialing Mode Status Indicator Output
- 10 x 18-digit memory storage inclusive of LNR plus 3 x 19-digit dedicated memory
- 40/60 Make Break Ratio
- Flash Function for Transfer Call in a PBX environment



PIN ASSIGNMENT			
MI	1	20	R1
V _{DD}	2	19	DTO
C4	3	18	PO
C1	4	17	R2
C2	5	16	R3
C3	6	15	R4
V _{SS}	7	14	R5
PTO	8	13	HS
X1	9	12	MO
X2	10	11	MS