

**REPERTORY WORLD DIALER™**

ADVANCE DATA

- STORAGE OF THIRTEEN 18-DIGIT NUMBERS : 3 EMERGENCY LOCATIONS, AND 10 ADDITIONAL LOCATIONS INCLUDING LNR (last number redial)
- ALL LOCATIONS CAN BE ACCESSED WITH SINGLE KEY INPUTS ALTHOUGH THE OPTION IS AVAILABLE TO ACCESS 3 EMERGENCY LOCATIONS PLUS LNR DIRECTLY AND TWO KEYS (MEM key plus key 1-9) TO ACCESS THE 9 OTHER MEMORIES
- TWO SELECT PINS ALLOW USER TO SELECT 16 DIFFERENT COUNTRY OPTIONS
- SINGLE CHIP, MIXED MODE DIALER ALLOWS DIALING IN EITHER TONE OR PULSE MODES. A \* OR "SOFTSWITCH" KEY INPUT CAN ALSO BE USED TO SWITCH FROM PULSE TO TONE MODE OPERATION AND IS STORED IN MEMORY
- P.I.N. (personal identity number) PROTECTION METHOD
- SLIDING CURSOR METHOD TO SIMPLIFY PABX DIALING
- HOOKSWITCH DEBOUNCE, TRANSIENTS DUE TO LINE REVERSALS AND DROP-OUTS CAN BE MASKED FOR A PERIOD DETERMINED BY EXTERNAL RC
- POWERED FROM TELEPHONE LINE, LOW STANDBY CURRENT AND OPERATING VOLTAGE
- DTMF SIGNAL CONSISTENT WITH KEY ENTRY PERIOD
- MINIMUM DTMF SIGNAL DURATION/SEPARATION GUARANTEED
- TIMED PABX PAUSE MAY BE STORED IN MEMORY
- TIMED FLASH FOR EXTENDED TIMED BREAK

**DESCRIPTION**

The MK53763 is a 24 pin CMOS mixed mode dialer IC. This dialer provides signalling for both TONE



(DTMF) and PULSE (LD) modes of operation and it stores up to 13 18-digit numbers including the last number dialed. The user can store all 12 signalling digits plus access several unique functions with single key entries. These functions include : Last Number Dialed (LND), Softswitch, Flash, Pause and 12 memories (M1 - M9 and E1 - E3).

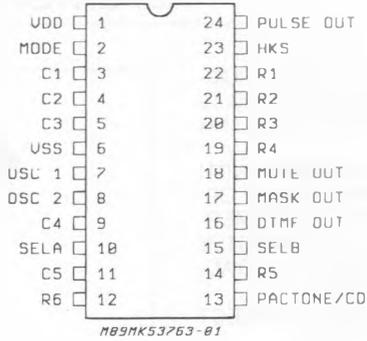
The MK53763 can be switched from PULSE to TONE mode operation through the keypad with a \* key input or softswitch (SS) key input. All key inputs following a softswitch command will generate DTMF signals.

Two select pins (SELA, SELB) have been provided which allow the part to be customized for various markets. Rather than selecting and modifying individual parameters which would take many pins or mask options each select pin will select groups of options which have been identified for particular markets.

The MK53763 features a sliding cursor, auto-pause insertion (on some options), manual Pause, and Flash. The DTMF tone output has a guaranteed minimum duty cycle and extends to match the duration of key inputs.

The MK53763 structure and specification are the same of the MK53721 LND world dialer, expanded with 3 emergency and 9 repertory numbers.

**PIN CONNECTION (top view)**



**KEYPAD CONFIGURATION**

