

T-77-13

T-49-15-02

UM5100 Voice Processor

Features

- Voice recording and reproduction with external SRAM
- Voice reproduction with external EPROM or ROM
- Continuous variable slope Delta Modulation
- Max. addressable memory 256K
- Single 3V ~ 6V power operation
- Low power consumption CMOS process
- Inexpensive RC oscillation
- Adjustable bit rates from 10K to 28K bps.
- High quality voice reproduction
- Applications for voice storage, security systems, telecommunication and other voice fields

Pin Configuration

WRITE PULSE	1	40	V _{DD}
A12	2	39	A14
A7	3	38	A13
A6	4	37	A8
A5	5	36	A9
A4	6	35	A11
A3	7	34	RECORD
A2	8	33	A10
A1	9	32	READ
A0	10	31	D7
D0	11	30	D6
D1	12	.29	D5
D2	13	28	D4
C1	14	27	D3
R1	15	26	TD
RESET	16	25	ANG
PLAY	17	24	TD
COMPDATA	18	23	ANG
CLOCK DRIVER	19	22	ENVELOPE
V _{SS}	20	21	FILTER

UM5100

UM3203A 5-Function, 3½-Digit, Multiplexed LCD Watch with Stopwatch

Features

- 5 functions (month, date, hour, minute and second.)
- A 15-minute, 1-second resolution stopwatch
- Direct driving of a standard 3½-digit multiplexed liquid crystal display
- 32768Hz quartz crystal time base
- Built-in voltage doubler
- Single 1.5V battery operation
- 12-hour format
- 4-year calendar
- 3 push-button control
- On-chip debounce circuit
- Power-on reset and manual reset
- High speed test capability
- Low power dissipation

Pad Configuration

