
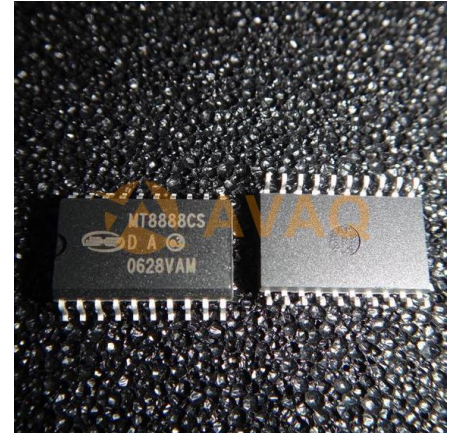


DTMF TXRX 3.58MHz CMOS 5V 20-Pin SOIC Tube

Manufacturer:	Microchip Technology, Inc
Package/Case:	SOP20
Product Type:	Interface ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The MT8888 is a monolithic DTMF transceiver with call progress filter. It is fabricated in CMOS technology offering low power consumption and high reliability. The receiver section is based upon the industry standard MT8870 DTMF receiver while the transmitter utilizes a switched capacitor D/A converter for low distortion, high accuracy DTMF signalling. Internal counters provide a burst mode such that tone bursts can be transmitted with precise timing. A call progress filter can be selected allowing a microprocessor to analyze call progress tones. The MT8888C utilizes an Intel micro interface, which allows the device to be connected to a number of popular microcontrollers with minimal external logic. Product Cross Reference: When replacing the California Micro Devices CM8888 or the Clare M8888 with the MT8888C, RD, WR Rise and Fall time t_R , t_F need to be changed from 25 ns to 20 ns maximum. The Address Hold Time t_{AH} needs to be increased from 10 ns to 26 ns minimum. Similarly, RD to Valid Data Delay t_{DDR} needs to be shortened from 150 ns to 100 ns maximum. It is also recommended to add a 4.7 Mohm resistor between Pin OSC1 to VSS to ensure that the crystal oscillator will start up properly. Typical Applications Credit card systems Paging systems Repeater systems/mobile radio Interconnect dialers Personal computers

Key Features

- Central office quality DTMF transmitter/receiver
- Low power consumption
- High speed Intel micro interface
- Adjustable guard time
- Automatic tone burst mode
- Call progress tone detection to -30 dBm

Application

- Credit card systems
- Paging systems
- Repeater systems/mobile radio
- Interconnect dialers
- Personal computers



Recommended For You

MI88L85AN

Microchip Technology, Inc
SSOP24

MI88L85ANI

Microchip Technology, Inc
SSOP

MI8870DS

Microchip Technology, Inc
SOP

MI3271BE

Microchip Technology, Inc
DIP8

MI8888CE

Microchip Technology, Inc
DIP20

MI8889CE

Microchip Technology, Inc
DIP

MI88L70AS1

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SOP

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MI88L70AN

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DIP8

MI8870DS1

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MI88E43BSR1

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SOP-24

MI8880CPR

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