

## AFE General Purpose 3V 14-Pin TSSOP Tube

<b>Manufacturer:</b>	<u>Microchip Technology, Inc</u>
<b>Package/Case:</b>	TSSOP14
<b>Product Type:</b>	Data Conversion ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

## General Description

### Key Features

Three input pins for analog input signals

High input detection sensitivity (1 mVPP, typical)

High modulation depth sensitivity (as low as 8%)

Three output selections:- Demodulated data- Carrier clock- RSSI

Input carrier frequency: 125 kHz, typical

Input data rate: 10 Kbps, maximum

Eight internal configuration registers

Bidirectional transponder communication (LF talk back)

Programmable antenna tuning capacitance (up to 63 pF, 1 pF/step)

Programmable output-enable filter

Low standby current: 6.5  $\mu$ A (with three channels enabled), typical

Low operating current: 19  $\mu$ A (with three channels enabled), typical

Serial Peripheral Interface (SPI) with external devices

Supports Battery Backup mode and batteryless operation with external circuits

Industrial and Extended Temperature Range: -40°C to +85°C



## Recommended For You

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### MCP2035-I/ST

Microchip Technology, Inc  
TSSOP

### MCP2030-I/P

Microchip Technology, Inc  
DIP

### MCP2030T-I/SL

Microchip Technology, Inc  
SOIC

### MCP2030A-I/ST

Microchip Technology, Inc  
TSSOP14

### MCP2030T-I/ST

Microchip Technology, Inc  
TSSOP

### MCP2030A-I/P

Microchip Technology, Inc  
PDIP-14

### MCP2030-I/SL

Microchip Technology, Inc  
SOP14

### AT86RF233-ZUR

Microchip Technology, Inc  
QFN32

### ATmega128RFA1-ZU

Microchip Technology, Inc  
QFN64

### SY87700VZC

Microchip Technology, Inc  
SOP

### AT86RF215-ZUR

Microchip Technology, Inc  
QFN48

### MMA041PP5

Microchip Technology, Inc  
MOQ

### MICRF002YM

Microchip Technology, Inc  
SOP16

### USB3315-CP-TR

Microchip Technology, Inc  
QFN24

### MICRF211AYQS

Microchip Technology, Inc  
QSOP-16