

Capacitive Touch Screen 32 Key 100-Pin

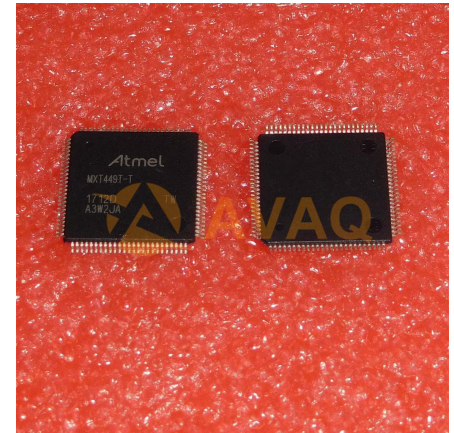
Manufacturer: [Microchip Technology, Inc](#)

Package/Case: TQFP100

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

In Production

The ATMXT449T-A Automotive touchscreen controller is aimed at display sizes up to 8" used in center stacks, navigation systems or rear seat entertainment systems. This family of automotive touchscreen controller brings Microchip's unmatched Adaptive Sensing technology to the Automotive market. It enables dynamic touch classification, a feature that automatically and intelligently switches between self- and mutual-capacitance sensing to provide users a seamless transition between a finger touch and glove touch. Adaptive Sensing is also resistant to water and moisture and ensures superior touch performance even in these harsh conditions.

Please contact your local Microchip sales office for pricing information and to place an order.

Key Features

Fully automotive-qualified (Grade 2), operating within the temperature range of -40 to +105 deg C

Supports up to 16 concurrent touches in real time with touch size reporting

Communication via a serial interface (I2C or SPI)

Integrated voltage doubler option to increase the signal to noise ratio (SNR)

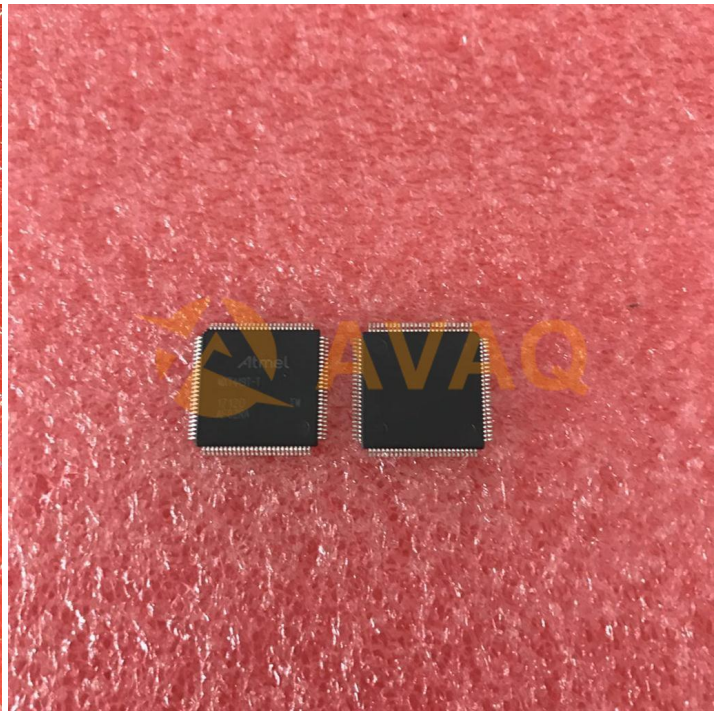
Adaptive Sensing (Self and Mutual cap)

Supports thick glove (5mm) touch

Support thick lenses (up to 3mm plastic)

Superior moisture performance

Package: TQFP100



Recommended For You

ATMXT641T-AT

Microchip Technology, Inc

TQFP100

ATMXT449T-ATR

Microchip Technology, Inc

TQFP100

ATMXT641T-ATR

Microchip Technology, Inc

TQFP100

ATSENSE201A-AUR

Microchip Technology, Inc

TQFP7x7

MCP3906AT-I/SS

Microchip Technology, Inc

SSOP-24

ATSENSE101A-SUR

Microchip Technology, Inc

SOIC

ATSENSE201HA-AU

Microchip Technology, Inc

TQFP-32

ATMXT288UD-AMISPIVAO

Microchip Technology, Inc

Very-ThinQuadFlatpac

ATMXT288UD-AMII2CVAO

Microchip Technology, Inc

Very-ThinQuadFlatpac

ATSENSE201HA-AUR

Microchip Technology, Inc

TQFP32

ATMXT224-MAH

Microchip Technology, Inc

QFN48

ATSENSE301HA-AU

Microchip Technology, Inc

TQFP7x7

ATMXT1664T3-CCU

Microchip Technology, Inc

BGA

ATSENSE301A-AUR

Microchip Technology, Inc

TQFP-32

MCP3905AT-E/SS

Microchip Technology, Inc

SSOP