

Image may be representation.
See specifications for product details.



MTCH105T-I/ST

Manufacturer Part Number	MTCH105T-I/ST
Manufacturer	Microchip Technology
Allelco Part Number	32D-MTCH105T-I/ST
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC PROXIMITY DETECTOR 14TSSOP
Package	14-TSSOP (0.173", 4.40mm Width)
Data sheet	MTCH102,5,8 Brief.pdf MTCH102,5,8 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MTCH105T-I/ST - Microchip Technology. New Original in Stock. Download Linear Technology MTCH105T-I/ST datasheet/specifications on AllelcoElec.com.
Request a quote for MTCH105T-I/ST, please send us email: info@allelco.com

Specifications

MTCH105T-I/ST Tech Specifications

MTCH105T-I/ST - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package	Tape & Reel (TR)
Voltage - Supply	2.05V ~ 3.6V	Operating Temperature	-40°C ~ 85°C
Type	Buttons	Number of Inputs	Up to 5
Supplier Device Package	14-TSSOP	Mounting Type	Surface Mount
Series	-	LED Driver Channels	Up to 5
Resolution	-	Interface	Open Drain
Proximity Detection	Yes	Current - Supply	80mA
Package / Case	14-TSSOP (0.173", 4.40mm Width)	Base Product Number	MTCH105

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MTCH105T-I/ST

Product Attribute				
Part Number	MTCH105T-I/ST	MTCH102-I/MS	MTCH101-I/OT	MTCH102T-I/MU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Type	Buttons	Buttons	Proximity Only	Buttons
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Proximity Detection	Yes	Yes	Yes	Yes
Base Product Number	MTCH105	MTCH102	MTCH101	MTCH102
Package / Case	14-TSSOP (0.173", 4.40mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	SOT-23-6	8-UDFN Exposed Pad
Current - Supply	80mA	80mA	340µA	80mA
LED Driver Channels	Up to 5	Up to 2	Up to 1	Up to 2
Series	-	-	-	-
Package	Tape & Reel (TR)	Tube	Bag	Tape & Reel (TR)
Supplier Device Package	14-TSSOP	8-MSOP	SOT-23-6	8-UDFN (3x3)
Resolution	-	-	-	-
Voltage - Supply	2.05V ~ 3.6V	2.05V ~ 3.6V	2V ~ 5.5V	2.05V ~ 3.6V
Interface	Open Drain	Open Drain	Open Drain	Open Drain
Number of Inputs	Up to 5	Up to 2	Up to 1	Up to 2

MTCH105T-I/ST Datasheet PDF

Download MTCH105T-I/ST pdf datasheets and Microchip Technology documentation for MTCH105T-I/ST - Microchip Technology.

Datasheets

[MTCH102,5,8 Brief.pdf](#)

PCN Packaging

[Label and Packing Changes 23/Sep/2015.pdf](#)

[Packing Changes 10/Oct/2016.pdf](#)

PCN Design/Specification

[Lead Frame 10/Jan/2017.pdf](#)

[Lead Frame Cancel 08/Feb/2017.pdf](#)

PCN Assembly/Origin



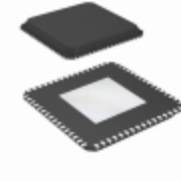




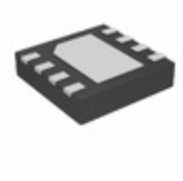








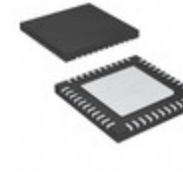
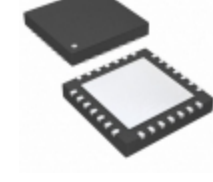
[Leadframe Material 29/Sep/2017.pdf](#)

HTML Datasheet

[MTCH102,5,8 Datasheet.pdf](#)

Customers Also Interested in

Recommended Products

 MTC90A800V DH IGBT Module	 MTCH6102-I/SS Microchip Technology IC SCREEN CNTRL 28SSOP	 MTCH6303-I/RG Microchip Technology IC SCREEN CNTRL 64QFN	 MTCH102-I/MS Microchip Technology IC PROXIMITY DETECTOR 8MSOP	 MTCH101-I/OT Microchip Technology IC PROXIMITY DETECTOR SOT23-6	 MTCH90TA120 IR IGBT Module
 MTCH6303-I/PT Microchip Technology IC SCREEN CNTRL 64TQFP	 MTCH102T-I/MU Microchip Technology IC PROXIMITY DETECTOR 8UDFN	 MTC90A1800V DH IGBT Module	 MTCH101T-I/OT Microchip Technology IC PROXIMITY DETECTOR SOT23-6	 MTC90A1200V SANREX IGBT Module	 MTCH105-I/ST Microchip Technology IC PROXIMITY DETECTOR 14TSSOP
 MTCH6301-I/PT Microchip Technology IC SCREEN CNTRL 44TQFP	 MTC90A1400V DH IGBT Module	 MTC90A600V SANREX IGBT Module	 MTC90A400V SANREX IGBT Module	 MTCH6301-I/ML Microchip Technology IC SCREEN CNTRL 44QFN	 MTCH652-I/MV Microchip Technology IC BOOST CONVERTER 20UQFN

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

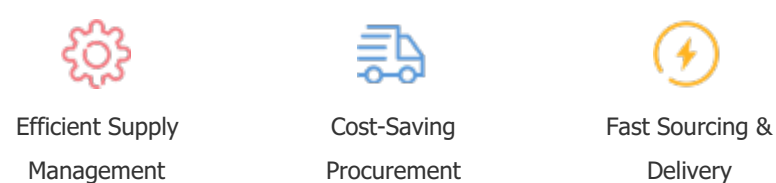
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

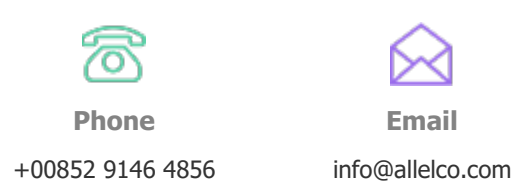
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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