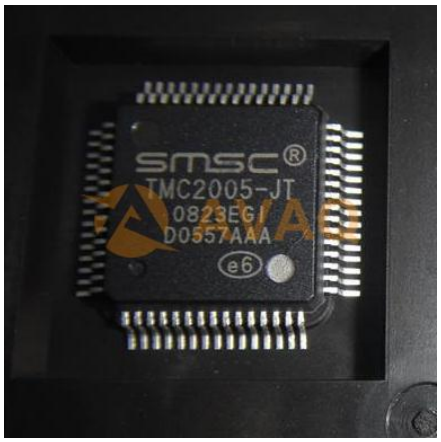
TMC2005-JT

Hub Controller Serial Interface 64-Pin TQFP Tray

Manufacturer:	Microchip Technology, Inc
Package/Case:	64-LQFP
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active



Images are for reference only

Inquiry

General Description

When configuring a network, the maximum number of nodes and the maximum cable length are limited by the electric capacity of the transceiver. In this case, the network is expanded by a piece of equipment called a "HUB" or "repeater". It may be necessary to have a converter between coax, T/P and the fiber cable. It is easy to design a HUB or repeater because the TMC2005 has various features for expanding such a network.It can connect with HYC9088, RS485 transceiver, HYC5000/4000/2000 and TTL interface for optical module. It can connect with three different transceivers at the same time and convert the media of each. (The data rate cannot be converted. It is necessary to operate all nodes in the same network at the same data rate.) The Hubs can be expanded by connecting two or more TMC2005 chips. By setting one of 5 ports to open-drain output, the Hub can be expanded to either 12 or 16 ports.

Key Features

ARCNET Hub Circuit for ARCNET Protocol (Data Rate from 156.25 Kbps to 10 Mbps)

Able to Connect Various Transceivers Directly

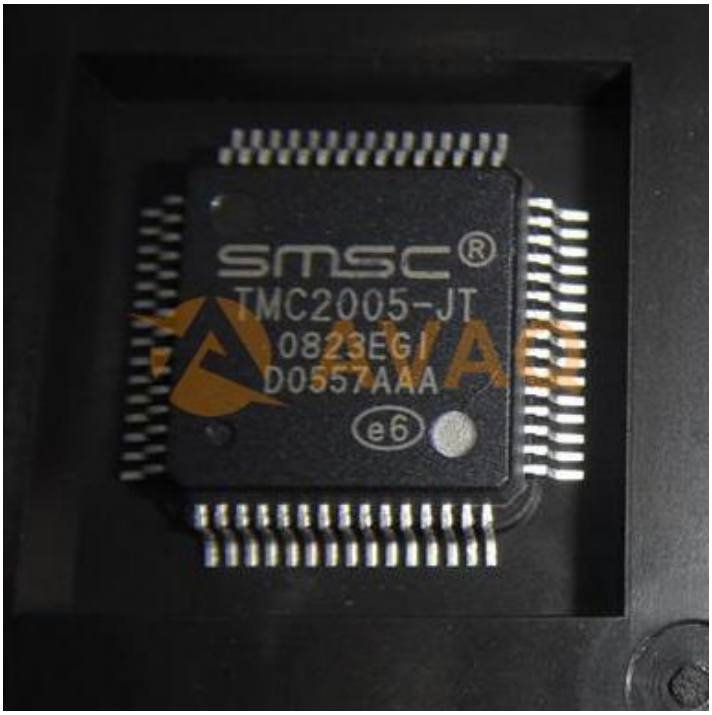
Device Includes TX/RX Timing Circuit for 5 Port Hub and Direction Control Circuit, Jitter Correct Circuit and Noise Cancel Circuit

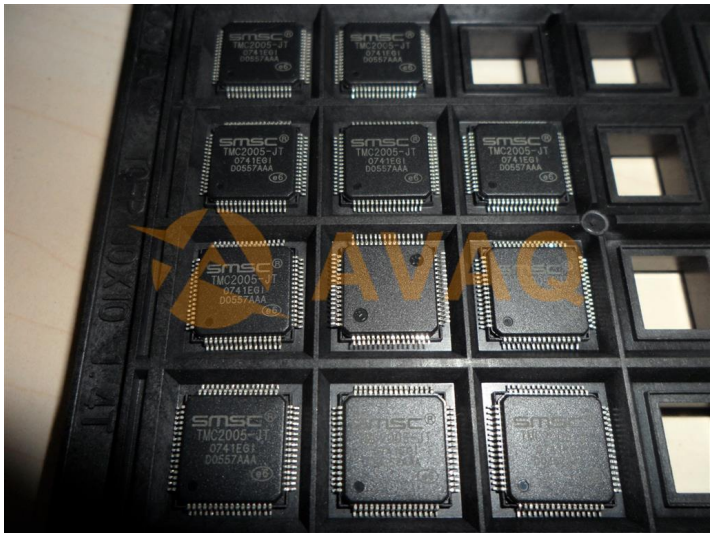
Easy to Design 8 or 12 Port Hub

Can Connect with HYC9088 in Normal Mode

Can Connect with RS485 Transceiver, HYC5000/4000/2000, Opt Module and TTL Interface in Backplane Mode

Supports Both Normal and Backplane Mode at the Same Time for Media Conversion





Recommended For You

LAN7500-ABZJ

Microchip Technology, Inc

QFN56

LE9540DUQC

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QFN

PM4358-NGI

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BGA

LPC47M182-NW

Microchip Technology, Inc

QFP

MI88L85AN

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SSOP24

LAN9514i-JZX

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QFP

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TQFP128