IC TELECOM INTERFACE 256FCBGA
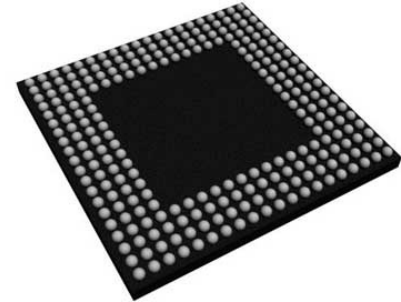
Manufacturers	Microchip Technology, Inc
Package/Case	256-BBGA, FCBGA
Product Type	Interface ICs
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for VSC8254YMR-01 or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

Microchip's complimentary and confidential LANCheck® online design review service is available for customers who have selected our products for their application design-in. The LANCheck online design review service is subject to Microchip's Program Terms and Conditions and requires a myMicrochip account.

Features

Standards supported include IEEE 1588v2/Y.1731 OAM (4 ns), IEEE 802.1AE (128/256-bit MACsec), IEEE 802.3ae, IEEE 802.3ap, SFF-8431, ITU-T G.8261, and ITU-T G.8262

Support for 10G LAN, 10G WAN, and 1G modes

Support for SFP+ line modules and 10GBASEKR backplanes

Internal cross-connect available

Two-port serial-to-serial signal conditioning with failover protection

10GBASE-KR-compliant backplane transceivers

Networks requiring high-accuracy time stamping and synchronization

Encryption, authentication, and data integrity across WAN data center interconnections

Multi-port XFI/KR to SFI/SFP+ 10GbE switch cards, router cards, and network

IEEE 1588v2/Y.1731 OAM precision timing support at 1.25 Gbps and 10.3 Gbps

Compliant with IEEE 802.1AE specifications for 128/256-bit MACsec support

Compliant with IEEE 802.3-2012 and SFF-8431 electrical (SFI) specifications

9.95 Gbps WAN and 10.3 Gbps LAN operation, as well as 1.25 Gbps Ethernet support

Standard SFP+ and QSFP+ applications

10GBASE-KR (IEEE 802.3-2012) for 10G backplanes

Adaptive equalization receiver and programmable multi-tap transmitter pre-emphasis

SPI, MDIO, and two-wire serial slave management interfaces

Related Products

VSC8664XIC

Microchip Technology, Inc

BGA-256

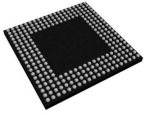**VSC8662XIC**

Microchip Technology, Inc

256-BGA

VSC8221XHH

Microchip Technology, Inc

BGA-100P
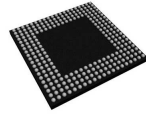
VSC8502XML

Microchip Technology, Inc

QFN

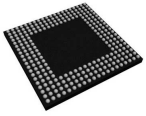**VSC8664XIC-03**

Microchip Technology, Inc

BGA-256D

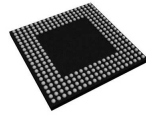**VSC8574XKS-05**

Microchip Technology, Inc

256-BGA

VSC8572XKS-05

Microchip Technology, Inc

256-BGA

VSC8552XKS-02

Microchip Technology, Inc

256-BGA