
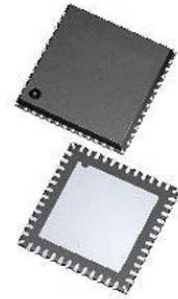


Backplane Transceiver 4TX 4RX 14.5Gbps 48-Pin QFN Tray

Manufacturer:	Microchip Technology, Inc
Package/Case:	QFN48
Product Type:	Discrete Semiconductor Modules
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	NRND



Images are for reference only

[Inquiry](#)

General Description

The VSC7224 devices are 4-channel unidirectional adaptive channel extenders with CDR. They incorporate analog and digital equalization, clock and data recovery, and output de-emphasis. VSC7224 supports data rates up to 10.3G, 11.5G or 12.5G depending on the product variant selected. The VSC7224 devices are simple to use and provide electrical compensation to cable, copper, and backplane environments to increase system margin and media driving distances. They equalize greater than 40 inches of FR-4 at 10G and greater than 10 m of 24AWG Twinax copper cable at 10G for direct attach cable (DAC) applications. The VSC7224 devices can be used either on their own or with an external microcontroller to control, monitor, and enhance system performance. The VSC7224 devices feature Microsemi's proprietary FlexEQ™ technology to equalize deteriorated input signals while dissipating the lowest possible power. A low-cost 25 MHz crystal, along with on-chip frequency synthesizers, allows for device operation at any data rate. Its three-tap FIR output driver architecture enables up to 18 dB of de-emphasis. The VSC7224 devices include Microsemi's patented VScope input signal monitoring and waveform viewing technology. Related Products GE PHYs 10GE PHYs Ethernet SoftwareKey

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Microchip Technology, Inc
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TQFP32

APTCV60HM70RT3G

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SP3

APICV60TLM70T3G

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MODULE

APICV60TLM24T3G

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