Optical Module MCU and Microcontroller

On 27th October 2020, GigaDevice officially released a new series of Arm® Cortex®-M33 based MCU"s, the GD32E501 high-performance microcontrollers. The new products continue to pave their way in ...

Low cost microcontrollers are needed in Optical Switch Module applications that are in nearly every type of optical network. They are typically in Small Form factor Plugable (SFP, SFP+) modules where they ...

For this new-coming WDM application, Nuvoton offers an MCU with built-in hardware Manchester Codec to implement the Pilot Tone Modulation for OAM data transmission.

In this post, I"ll discuss various current-sensing functions in high-bandwidth data communication applications for pluggable optical modules.

Discover how microcontroller units (MCUs) support optical transceivers by enabling real-time monitoring, diagnostics-enabled modules (DOM), and precise laser control.

Maxim Integrated offers a wide variety of optical module products such as MCUs, optical AFEs, ADCs, DACs, DC-DC, TEC drive, and more--all resulting in an easier and faster integration of ...

Interactive block diagram illustrating multiple Microchip components used in an optical module design

STM32 are general purpose MCUs. There is no specific STM32 targeting optical applications. You can use ST MCU finder or STM32CubeMx to fine tune your findings and select the ...

Silicon Labs" Laser Bee family of EFM8 8-bit MCUs are optical module microcontrollers ideal for applications that require performance analog.

The microcontroller technology enhances optical module performance with monitoring capabilities, interfaces, and programming options. Holtek has released a 32-bit Arm Cortex-M0+ ...

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