



EB12CS2T-MN

MADI emSFP™ Coaxial Dual Transmitter
Medium reach, Non-MSA, DIN1.0/2.3

Features

- Meet Electrical Specifications of AES10-2003
- DIN1.0/2.3 connectors (75Ω)
- Integrated Cable Driver
- Control via serial interface including:
 - Module Information
 - Voltage & Temperature Monitoring
- Low Power Consumption - typical 650mW
- Single Supply +3.3V
56.6mm x 13.4mm x 8.6mm SFP Package
- Extended Temperature Range
-40°C to 80°C

Summary of Benefits

- **Flexibility:** Build a totally optimized system by mixing electrical and optical video/audio SFP;
- **Cost:** Design cost effective system;
- **Modularity:** Allow hot scalability and replacement of critical components wherever possible;
- **Density:** Highest density ever achieved for standard 75Ω coaxial MADI interface;
- **Time-to-market:** Reduce development cost and risk;
- **Interchangeable:** Fully compatible with existing non-MSA video/audio optical SFP;
- **Hot-Pluggable:** Swap without affecting system behaviour;
- **Advanced Packaging:** Support ganged cages, belly-to-belly and superposed cages mounting;
- **Inventory:** Just in time inventory management;
- **Green:** The EB12CS2T-MN is Pb-free and ROHS compliant. In addition, it has very low power consumption.

Applications

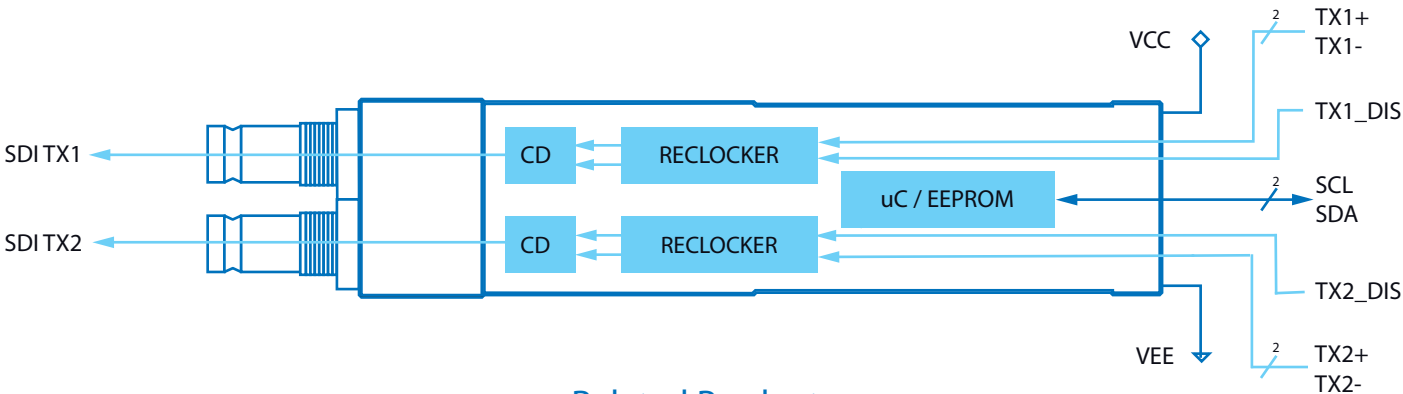
- Low cost audio optical SFP replacement
- Distribution amplifiers
- Audio routers
- Hybrid routers

Overview

The EB12CS2T-MN is a medium reach electrical emSFP dual transmitter module designed to transmit two MADi signals at 125 Mbps over 75 Ω coaxial cables via DIN1.0/2.3 connectors. The cable driver amplitude and edges rates are automatically configured in order to achieve compliance to AES10-2003 electrical specifications.

The EB12CS2T-MN provides module identification information and configuration through a two wire serial interface. It is also a hot-pluggable solution for field system upgrade and maintenance.

The EB12CS2T-MN is interchangeable with other non-MSA optical video/audio SFP improving product flexibility. Ganged cages, belly-to-belly and superposed cages mounting are supported. The EB12CS2T-MN is Pb-free and ROHS compliant.



Related Products

Part Number	Type	Pinout	Package	Temperature Range
EB12CSRT-MM	Rx/Tx	MSA	SFP	-40°C to 80°C
EB12CS2R-MN	2Rx	Non-MSA	SFP	-40°C to 80°C
EB12CSRT-MN	Rx/Tx	Non-MSA	SFP	-40°C to 80°C

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