



EB30CS2T-AN

Composite Codec emSFP™ Coaxial
Dual Transmitter, Non-MSA, DIN1.0/2.3

Features

- SMPTE 259M-C compliant
- DIN1.0/2.3 connectors (75Ω)
- Supported Composite Standards:
 - NTSC M, NTSC J, NTSC 4.43
 - PAL B/G/H/I/D, PAL M, PAL N, PAL 60
- Tx Channel:
 - SD-SDI to Composite 10-bit video encoder
 - Up to 16x Oversampling (216Mhz)
 - Multiple Chroma & Luma filters
 - Test Pattern Generation
- Control via serial interface including:
 - Voltage & Temperature Monitoring
 - Module Information
 - Analog Status and Control registers
- Low Power Consumption - typical 934mW
- Single Supply +3.3V
58.5mm x 13.4mm x 8.6mm SFP Package

Summary of Benefits

- **Flexibility:** Build a totally optimized system by mixing electrical SDI, NTSC/PAL converter and optical video 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 SDI interfaces combined with converters;
- **Time-to-market:** Reduce development cost and risk;
- **Interchangeable:** Fully compatible with existing non-MSA video optical SFP and SDI emSFP™;
- **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 EB30CS2T-AN is Pb-free and ROHS compliant.

Applications

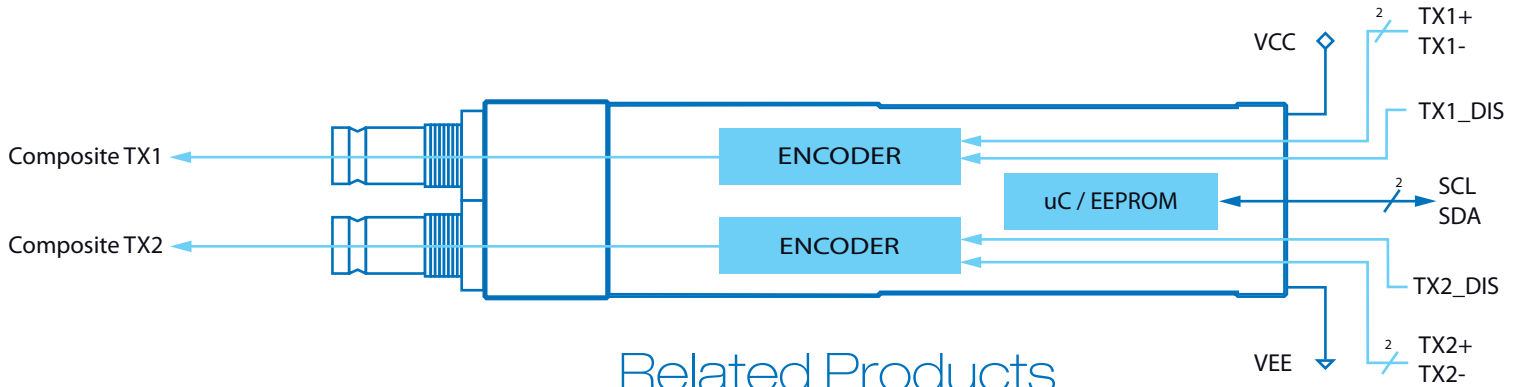
- Low cost video converters replacement
- Processing cards
- Distribution amplifier
- Video routers
- Broadcast cameras
- SDI switchers

Overview

The EB30CS2T-AN is an electrical emSFP™ dual transmitter module designed to encode composite signals over 75Ω coaxial cables via DIN1.0/2.3 connectors. The module encodes the SD-SDI signal to NTSC/PAL composite.

The EB30CS2T-AN provides module identification information, configuration and diagnostic monitoring through a two wire serial interface. It is also a hot-pluggable solution for field system upgrade and maintenance.

The EB30CS2T-AN is interchangeable with other Non-MSA optical video SFP or coaxial emSFP™ improving product flexibility. Ganged cages, belly-to-belly and superposed cages mounting are supported. The module is SMPTE compliant resulting in quick time-to-market and reduced development effort and cost. The EB30CS2T-AN is Pb-free and ROHS compliant.



Related Products

Part Number	Type (CVBS)	Pinout	Package	Temperature Range
EB30CSRT-AM	Rx/Tx	MSA	SFP	0°C to 65°C
EB30CSRT-AN	Rx/Tx	Non-MSA	SFP	0°C to 65°C
EB30CS2R-AN	2Rx	Non-MSA	SFP	0°C to 65°C
EB00CA01-xxA	DIN 1.0/2.3 to BNC cable adaptor			



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