



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PRODUCT SPECIFICATION MULTI-RATE 2G/4G/8G/10G FC & 10G ETHERNET SCFF 850NM LIMITING TRANSCEIVER

OVERVIEW

FCI's SCFF optical transceivers TRX08GVP2540 for 2G/4G/8G FibreChannel applications & TRX10GVP2040 for 10G-Ethernet and Fibre Channel applications are built to a small cubic form factor (SCFF) that maintains compliance to the SFF-8431 interface standard while requiring 40% less PCB real estate vs. standard SFP+ transceiver systems. Its 11pin electrical connector supplies the electrical connection and a robust EMI cage encapsulates the entire assembly in order to assure proper EMI shielding compliance.

The assembly includes a 2 wire serial interface similar to I2C interface and power supply. It is RoHS 6/6 compliant per Directive 2002/95/EC and laser safety class 1 compliant per IEC/CDRH. The sub watt power consumption and the compact size enables hardware system designs with high port density.



FEATURES & BENEFITS

- Small Cubic Form Factor (SCFF) – 40% less PCB space needed vs. standard SFP+ systems
- 11pin electrical interface
- Complies with 2G/4G/8G/10G FC & 10G Ethernet
- Digital diagnostic through 2 wire serial interface (SFP+ compatible)
- SFP+ compatible SFI high speed electrical interface
- Low power consumption at <0.5W (typ.)
- Transmission of up to 300m over OM3 MMF
- 0°C to +70°C case operating temperature range
- 850nm VCSEL laser
- Duplex LC connector
- SCFF is UL certified for use in Low Power Systems (LPS)
- Laser safety class 1
- RoHS 6/6 compliant

TARGET MARKETS/APPLICATIONS

- Data Center
- Switching
- Industrial

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850NM LIMITING TRANSCEIVER**



TECHNICAL INFORMATION

MATERIALS

- Cage
FCI P/N:
 - Top: CTSCFF0802
 - Bottom: CBSCFF0802
 - Sn/Ni plated sheet bronze

ELECTRICAL PERFORMANCE

- Power supply voltage: 3.3V
- Data rate per lane: 2,4,8 & 10Gbps
- Power consumption: <0.5W (typ.)

ENVIRONMENTAL

- RoHS 6/6 compliant
- Laser class 1/CDRH
- Operating temperature range: 0°C to 70°C

SPECIFICATIONS

- Module meets MSA – Small Form Factors
- SFF – 8431/Electrical
- SFF – 8472/Diagnostic
- Product specification:
 - GS-12-0976 (TRX08GVP2540)
 - GS-12-1086 (TRX10GVP2040)

APPROVALS AND CERTIFICATIONS

- UL: E251142 – A1
- TUV: 21137374
- FDA: 0312716

PACKAGING

- Blister package (10pcs)

SUPPORTED STANDARDS

- 8G Fibre Channel
- 4G Fibre Channel
- 2G Fibre Channel
- 10G Ethernet & 10G Fibre Channel

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Disclaimer

Please note that the above information is subject to change without notice.