

PM8311 TEMUX 168 High Density T1/E1 Framer, VT/TU Mapper & M13 Mux with Integrated SONET/SDH Framers

- Byte synchronous and bit asynchronous mapper for 168 VT1.5/TU-11s or 126 VT2/TU-12s
- Tributary path processor for 6 TU-3s
- Mapper for 6 DS3s or 6 E3s (TU-3 and AU-3)

Interfaces

- Up to 4 SONET/SDH network interfaces (working and protection)
- SONET/SDH Transport and Path overhead interface
- Two 622-Mbit/s Extended Serial SONET/SDH Interfaces (ESSIs)
- Line-side serial interface for up to 6 DS3s or E3s
- System-side 77.76 Scalable Bandwidth Interconnect (SBI336) bus for high-density interconnection of up to 168 T1 streams, 126 E1 streams, 6 DS3 streams, 6 E3 streams, or 6 arbitrary rate streams
- System-side serial interface for up to 6 DS3s or E3s
- Flexible bandwidth interface for up to 6 arbitrary rate ports
- 32 Mbit/s Synchronous TDM Interface (based on H-MVIP)
- Microprocessor- and IEEE 1149.1-compliant JTAG interface

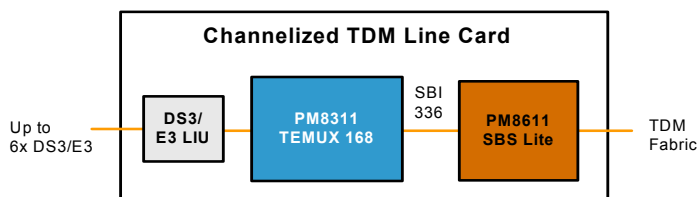
Package

- 896-pin FCBGA (31 x 31 mm)
- Supports industrial temperature range (-40 °C to 85 °C)

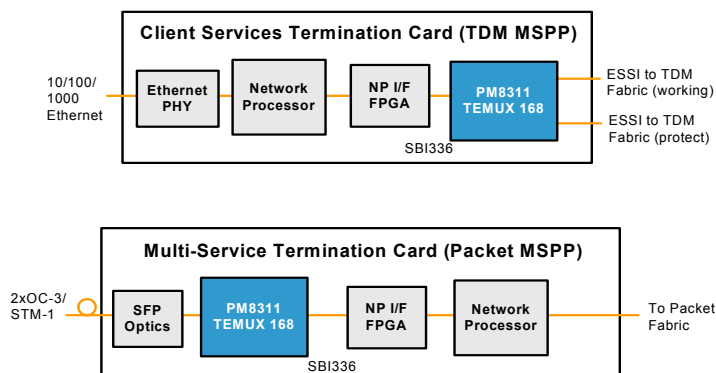
Applications

- ATCA/AMC-based line cards
- Voice and media gateways
- Wireless base station controllers (BSC) and radio network controllers (RNC)
- Routers and multi-service switches
- Edge aggregation switches
- Multi-service provisioning platforms (MSPP) / Optical Transport Platforms (OTP)

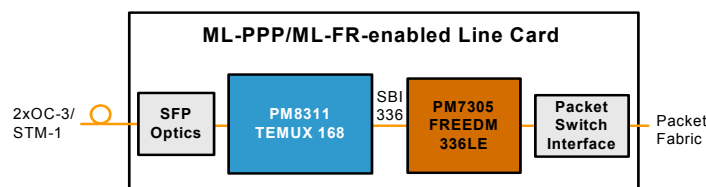
Next Generation Voice



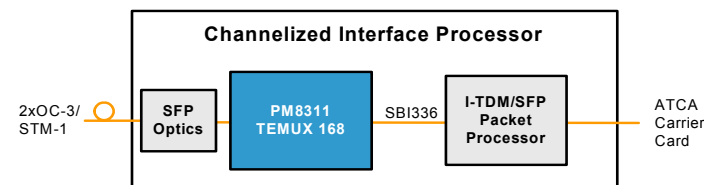
MSPP and Packets OTPs



Router/Multi-Service Switch



ATCA 3G RNC and Gateway



Further Resources

Wireline Equipment Solutions

www.pmc-sierra.com/ethernet-sonet-sdh-mac-framer-controller-chips

Technical Documentation

www.pmc-sierra.com/products/DocFind.html

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