LT1258 --- Product Brief

12.5Gbps Quad-lane 2:2 Cross-Point Switch with Equalization and De-Emphasis

1. Features

- Support 1Gbps to 12.5Gbps Data Rate
- Input signal detect and output sink detect support
- Up to 4 forward and 4 backward lanes support
- 2x2 analog cross-point switch
- Data lane polarity swappable
- Equalization performance
  - PRBS31 25 dB@12.5Gbps
  - PRBS31 26 dB@11.5Gbps
  - PRBS31 27 dB@10.3125Gbps
- Programmable de-emphasis up to 8 dB
- Up to 1.2V output swing
- Programmable through pin selection, EEPROM or I2C/SMBus interface
- Selectable 2.5-V or 3.3-V supply voltage
- Support up to 400KHz I2C/SMBus slave

2. General Description

The Lontium LT1258 is a quad 2:2 cross-point switch or

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