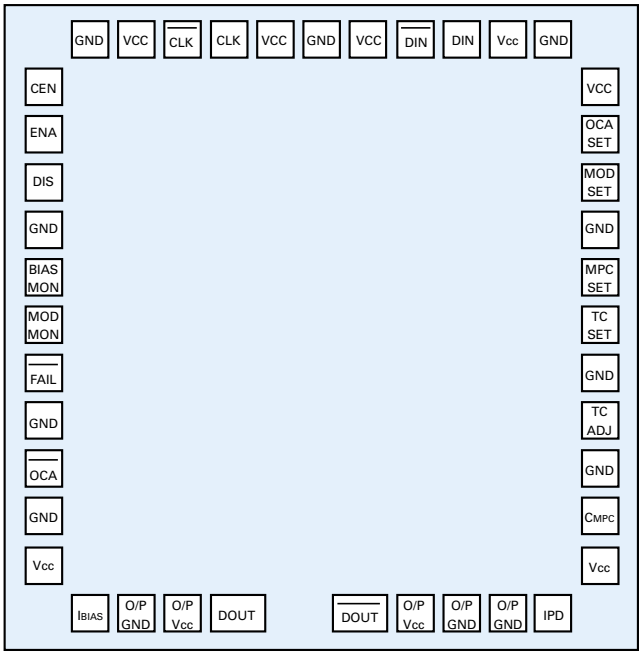
CONEXANT™

3 Gbps Intermediate Reach Laser Driver

CX02066

The CX02066 is a low-cost 3 Gbps laser driver designed for short-reach SONET applications. The modulator is capable of driving modulation currents up to 85 mA. The modulation current is adjustable by an external resistor. The IC has an internal temperature compensation circuit for compensating the temperature characteristic of laser diode slope efficiency adjusted with an external resistor. External bias and modulation monitors are provided, as well as safety alarm functions.



Distinguishing Features

- 3 Gbps at 85 mA
- Mean laser power control
- DC-coupled operation
- Differential PECL inputs
- Temperature compensation of modulation current
- Laser fault fail indicators
- Bias/modulation current monitor output
- 24-pin BCC++ package