



GLOBALFOUNDRIES®

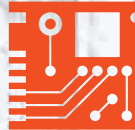
**Harness the power of light for
computing and wired infrastructure.**



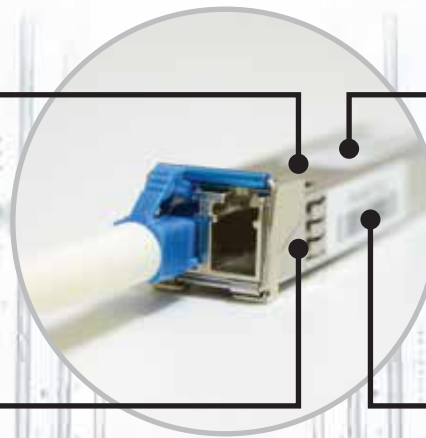
GLOBALFOUNDRIES®

Differentiated GLOBALFOUNDRIES silicon photonics and silicon germanium solutions for optical communications.

Driver
SiGe 8XP, 9HP
45CLO monolithic



Transimpedance amplifier
SiGe 8XP, 9HP
45CLO monolithic



Photonics IC
(modulator & photodetector)
90WG, 45CLO



Laser
Laser integration
into PIC



Energy-efficient
SiPh-based TxRx
performance of <2 pJ/bit

Industry's broadest
SiGe portfolio & highest
SiGe NPN F_t performance

First & only Foundry with
integrated SiPh / RF solution, with
most data per fiber demonstrated
(0.4 Tb/s per fiber)