



MPC *Metallic PIC Coupler*

High-Fiber Connectivity for PIC Integration

8f

Now available in
16, 20, 36 fiber
127 μ m pitch

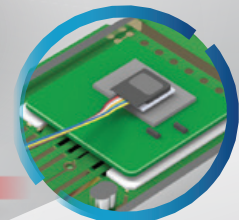
*stamped aluminum
groove array*

*freeform micro
mirror array*

*thermally-stable
frame*

The **MPC (Metallic PIC Coupler)**
folds-and-focuses light beams between
optical fibers and photonic devices

MT Ferrule



**Fiber coupling
inside Transceivers**

The Future of Connectivity

Metallic PIC Coupler (MPC) in
electro-optical transceiver
coupling light directly to the chip.

FEATURES

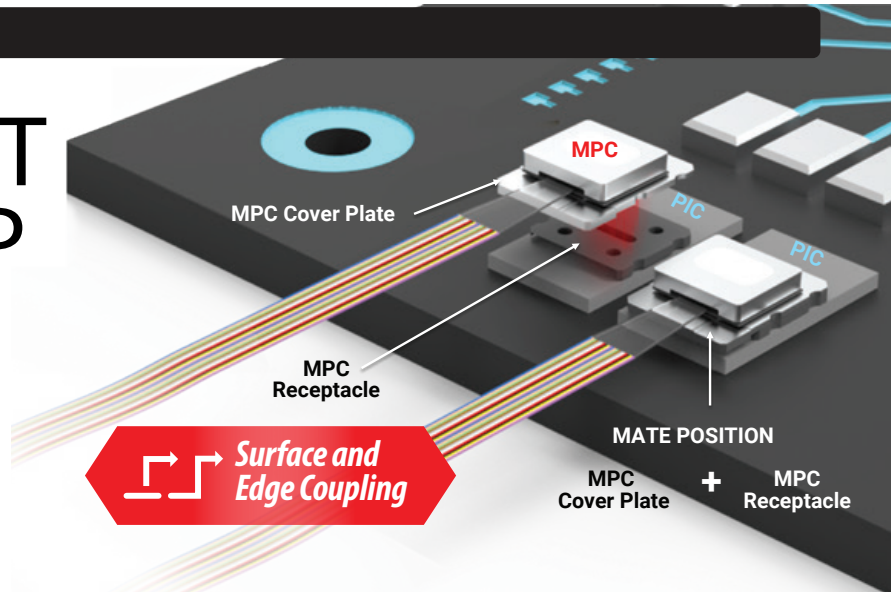
- Vertical coupling for silicon photonics
- Connecting fibers to laser arrays
- Connections for receiver arrays
- Beam expansion
- Thermal stability
- Reflowable design
- Low profile
- Mirrors are a customizable optical design



MPC METALLIC PIC COUPLER

STEERING LIGHT FROM THE CHIP

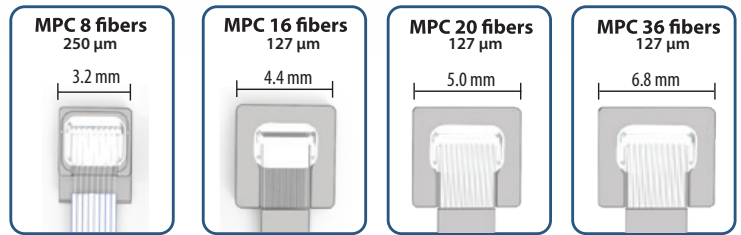
Metallic PIC couplers are constructed from stamped metallic optical benches. They include micro mirror arrays for folding-and-focusing light beams between optical fibers and photonic devices. Mirror designs are available for multi-mode and single-mode applications.



FREEFORM MICRO MIRROR ARRAY

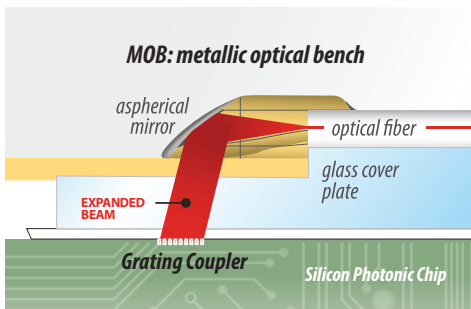


MPC IS CUSTOMIZABLE TO SUIT A WIDE VARIETY OF APPLICATIONS

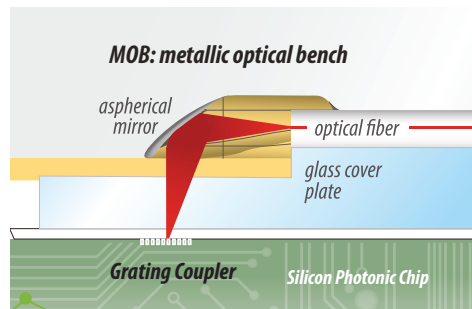


All available as detachable options

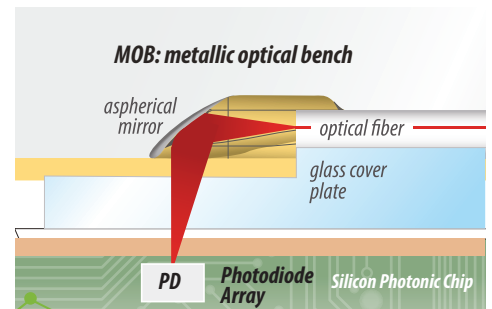
Expanded Beam Technology



Expanded-beam



Silicon photonics



Photodiode arrays