

Detachable **MPC**

(Metallic PIC Coupler)

High-Fiber Connectivity for PIC Integration

Freeform micro
mirror array

Precision
metal
v-groove
Thermally-
stable frame

The **Detachable MPC (Metallic PIC Coupler)** reflects and aligns light directly into the processor package with unmatched precision.

Light Bending Technology

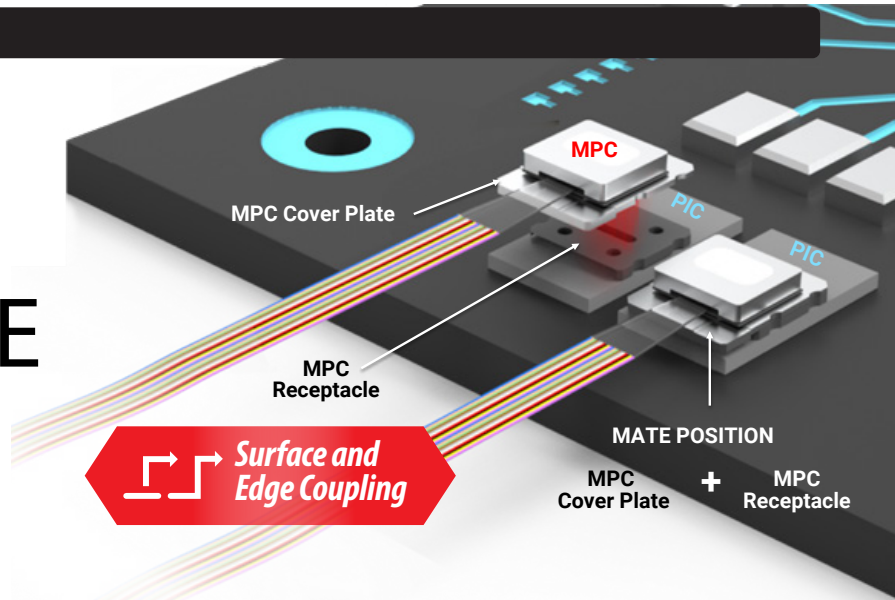
Detachable
36f



Detachable MPC METALLIC PIC COUPLER

ENABLING CO-PACKAGED OPTICS AT SCALE

This **detachable, scalable optical connection** simplifies integration with Co-Packaged Optics, enabling seamless connection of the fiber to the photonic engine.

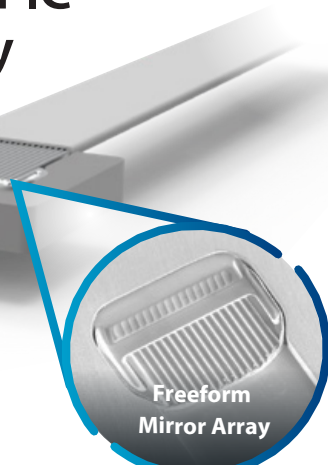


Detachable PIC Connectivity

36F

1.1 mm

Miniature Footprint



Features

- Low profile
- Low CTE material
- Compatible with SM and PM fiber
- Expanded-beam capability
- Metal alignment feature
- No Foundry PDK alteration
- Re-flow compatible
- Permanent or detachable flexibility
- High coupling efficiency for co-packed optics

MPC IS CUSTOMIZABLE TO SUIT A WIDE VARIETY OF APPLICATIONS

MPC 8 fibers 250 μ m	MPC 16 fibers 127 μ m	MPC 20 fibers 127 μ m	MPC 36 fibers 127 μ m
3.2 mm	4.4 mm	5.0 mm	6.8 mm

All available as detachable options

Expanded Beam Technology

