SENKO®
Advanced Components

# PACKAGING MODI

Unlocking the future of quantum information processing

Photonic Integrated Circuit

> MPC Metallic PIC Connector

PERFORMANCE BOOST MPC assemblies demonstrate approx. 2 dB improvement over a 90-degree fiber array

# **Applications**

- Quantum Computing
- Quantum Communication
- Quantum Sensing and Metrology
- Quantum Cryptography
- Quantum Net
- Quantum Key Distribution

## **FEATURES**

- Ultra low loss
- Templates available to simplify deployment
- Compatible with most QPIC designs





## **QPIC** PACKAGING MODULE

Innovation Through Collaboration







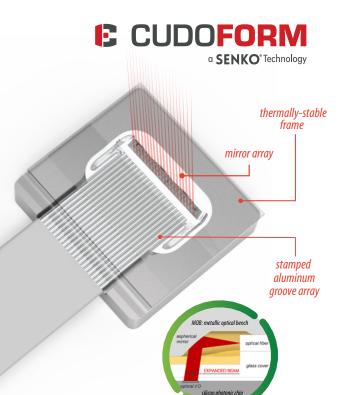


# MPC Metallic PIC Connector

Quantum photonic integrated circuits (QPICs) harness quantum mechanics and optics to solve complex problems exponentially faster than classical computers. Unlike traditional electronic interconnects, which are hindered by the delicate nature of quantum states and single photon sources, optical interconnects offer a scalable and efficient solution for connecting quantum components.

Metallic PIC connectors 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 single-mode and PM applications.

# MPC IS CUSTOMIZABLE TO SUIT A WIDE VARIETY OF APPLICATIONS MPC 8 fibers \* **MPC 16 fibers** MPC 20 fibers 250 µm 127 µm 127 µm 4.4 mm 5.0 mm NOTE: Products shown are permanent attached



Contact QPICPAC@Senko.com for availability and to learn more **Contact SENKO** 

# SENKO ADVANCED COMPONENTS, INC.

USA WEST 1-858-623-3300 TEXAS 1-972-661-9080

## **South America** Sales-Brazil@senko.com

Asia HONG KONG +852-2121-0516 SHANGHAI +86-21-5830-4513 SHENZHEN +86-755-2533-4893

\*8 fibers suitable for QPIC Packaging Module

**Europe** FRANCE +44 7939364565 Salesfrance@senko.com GERMANY +49(0)15117683072 Sales-Germany@senko.com Sales-Italy@senko.com POLAND +44 (0) 7796444488 Sales-Europe@senko.com

SPAIN & PORTUGAL +34 678042829 Sales-Iberia@senko.com UK +44 (0) 1256 700880 Sales-UK@senko.com OTHER +44(0) 1256 700880 Sales-Europe@senko.com

## **CALL 1-888-32-SENKO**

## **Asia Pacific** AUSTRALIA +61 (0) 3 9755-7922 Sales-Asia-Pacific@senko.com

Middle East North Africa DUBAI +971 4 8865160 Sales-MENA@senko.com

## TOKYO +81 (0) 3 5825-0911 Sales-Japan@senko.com