

# PCIe®-OVER-FIBER OPTICAL FLYOVER™

## FEATURES

- PCIe® Gen 3 x4, scalable to x8 and x16 widths
- Duplex auxiliary signals allow both transparent and non-transparent bridging
- High-performance signal quality with BER better than  $1E^{-12}$
- Enables links up to 100 m
- Allows nontraditional FPGA/ASIC end points
- Additional heat sink, fiber type and end options available
- Standard temperature range 0 °C to +70 °C; Extended temperature version available (PTUO)
- PCIe® Gen 4 version in development

Mates with:  
UEC5, UCC8, OPA

PCIe®  
electromechanical  
height compliant  
heat sink

Available in  
x4 or x8 widths

## SPECIFICATIONS

For complete specifications  
see [www.samtec.com?PCUO](http://www.samtec.com?PCUO)

PCUO

SPEED

WIDTH

CABLE  
LENGTH

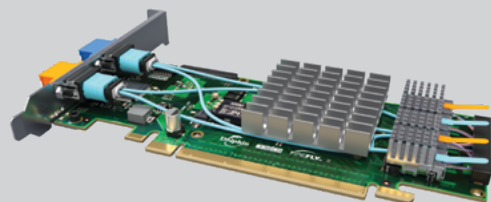
—G3  
= Gen 3 Speed

—04  
= x4 PCIe® Gen 3  
  
—08  
= x8 PCIe® Gen 3

—“XXX”  
= Overall Length  
in Centimeters  
(10 cm Min)

**Class 1 LASER PRODUCT**  
per IEC 60825-1 Ed. 2 (2007)

## OTHER SOLUTIONS

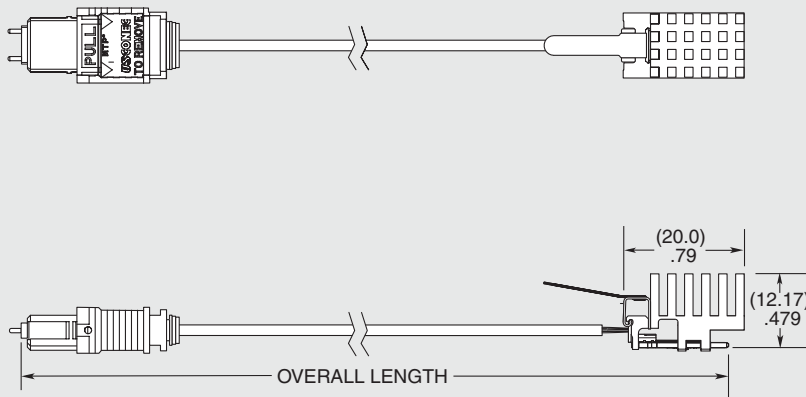


PCOA is a compatible PCIe® adaptor card supporting transparent and non-transparent bridge links

PCI-SIG® PCI Express® and the PCIe® design marks are registered trademarks and/or service marks of PCI-SIG.

### Note:

Some lengths, styles and options are non-standard, non-returnable.



PCUO-G3-04-XXX SHOWN

Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.  
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.