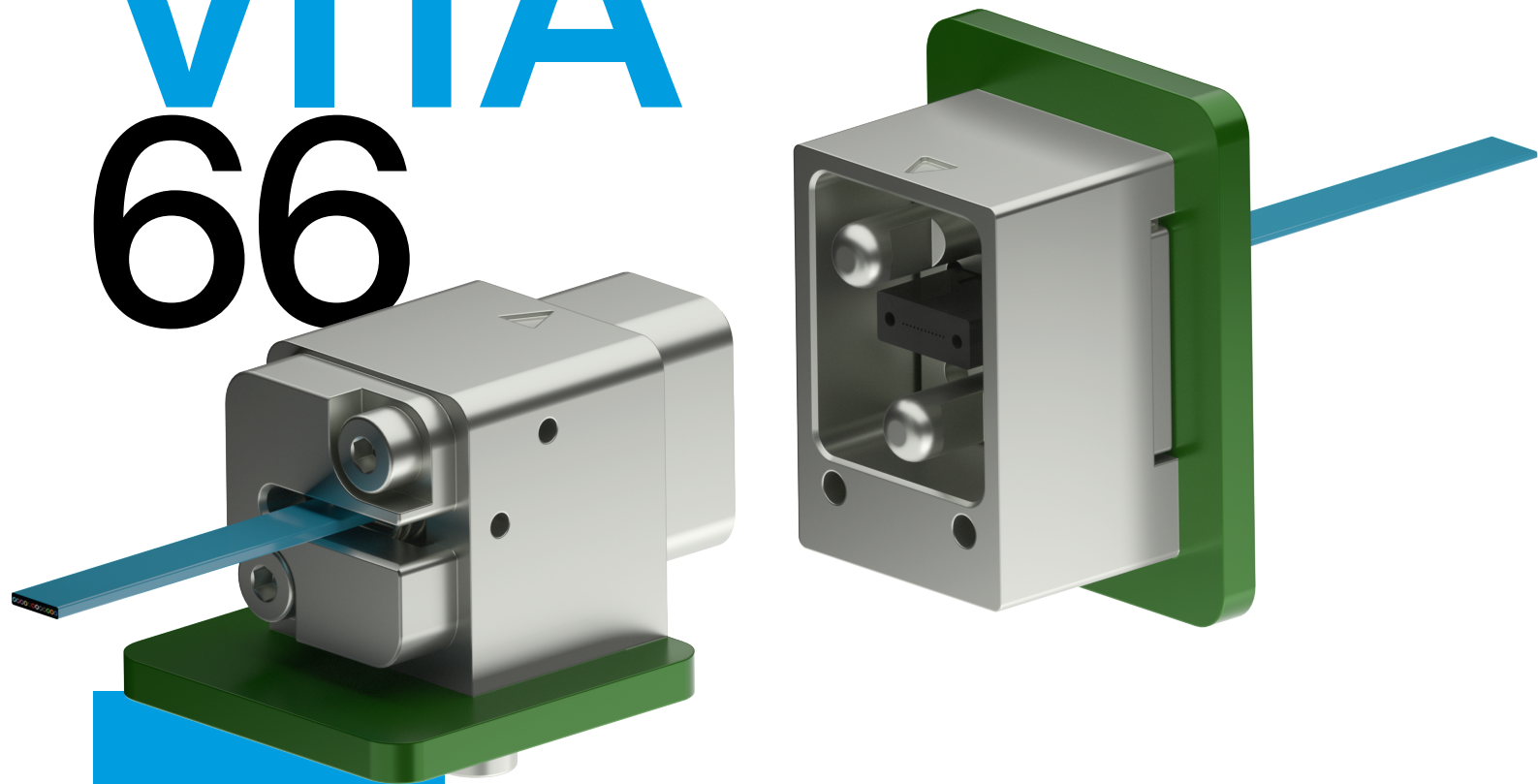




Creative
Interconnect
Solutions

VITA 66



Optical
backplane
connectors

VITA 66

is a standard for optical backplane interconnects in the [VPX \(VITA 46\)](#) ecosystem. It defines a blind-mate connector system that allows for high-density, ruggedized optical connections between modules and backplanes.

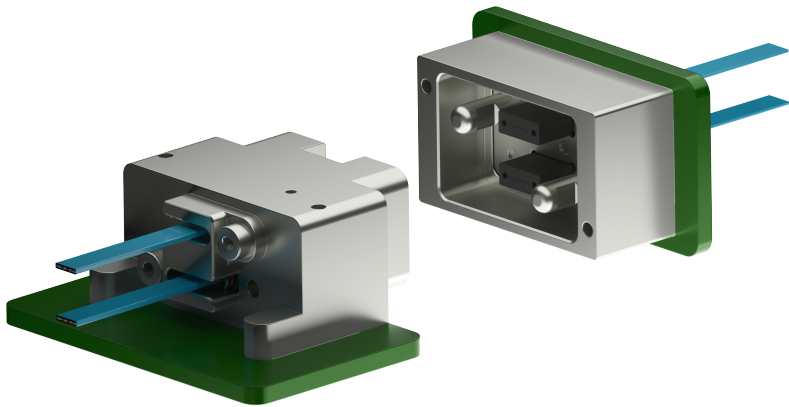
This standard is designed to be flexible and scalable. It supports a wide range of optical connector types and configurations, and it can be adapted to meet the needs of a variety of applications.

- **High density:** supports up to 24 optical channels per connector (48 with 2 MT ferrules)
- **Ruggedness:** designed to be rugged and reliable, making them ideal for harsh environments
- **Performance:** offer high performance with high-speed data rates
- **Scalability:** flexible standard that can be adapted to meet the needs of various applications

Designed to meet the requirements of [VITA 47](#)

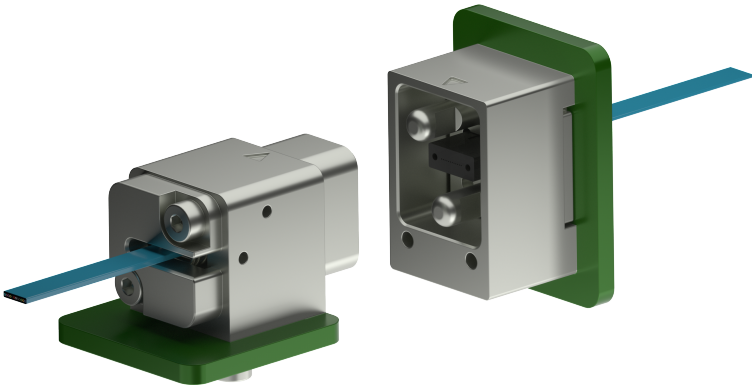
Part numbering					
Series	Body size	Style	Optical termini	Cavity Number	Material/finish
V66	1 - Full size	M - Module	MT - MT Ferrule	1 → 1Cavity	A Aluminum/Nickel
	4 - Half size	B - Backplane		2 → 2 Cavities	

VITA 66.1



V66-1M-MT2-A & V66-1B-MT2-A

VITA 66.4



V66-4M-MT1-A & V66-4B-MT1-A

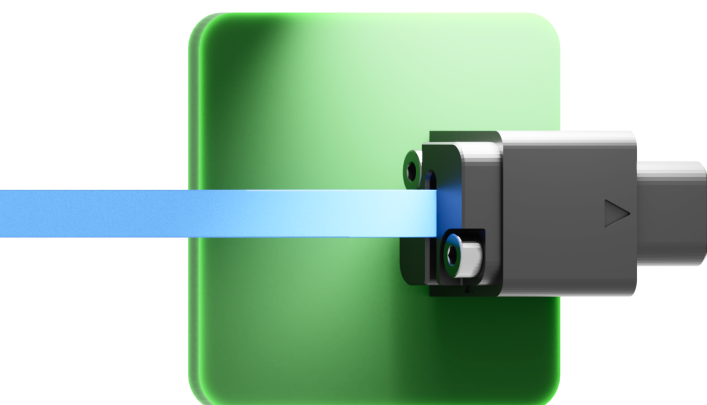
Connector dedicated to
VPX system, for
[backplane applications](#)

VITA 66 compliant

Nickel plated
aluminum and
passivated stainless
steel materials

Tested according to [VITA 47 protocols](#).

See our [Self-Declaration of Conformity](#) for full
specifications and test results.



- ↓ **Module connector**
- Mounted on the plug-in cards racked in a VPX chassis
 - Allows a precise ferrule alignment before connection

- ↓ **Backplane connector**
- Mounted on the backplane board
 - Floating connector to compensate for system backlash (0.5mm floating)