RUGGEDIZED OPTICAL BACKPLANE INTERCONNECTS
FOR VITA 66.1 AND 66.4
High-Density Optical Modules for Demanding Embedded Computing Application
TE Connectivity’s (TE) Ruggedized Optical Backplane interconnect system provides a high-density, blind-mate optical interconnect in a backplane/daughtercard configuration. The fiber optic ribbon cable interconnect feeds through the backplane to removable system modules using MT ferrules.

The optical module are available in two sizes:
- **VITA 66.1 modules** are full width and accommodate two MT ferrules.
- **VITA 66.4 modules** are half width and hold a single MT ferrule. Two modules can be fit into the same space as a VITA 66.1 module.

Designed for rugged embedded computing applications, the optical modules are compatible with VPX and other high-performance standards.

**TE Application Specification:**
- **VITA 66.1:** 114-32050
- **VITA 66.4:** 114-32144

**TE Product Specification:**
- **VITA 66.1:** 108-2467
- **VITA 66.4:** 108-2467-1

**TE Qualification Test Report:**
- **VITA 66.1:** 501-134012
- **VITA 66.4:** 501-134012-1

**TE Components . . . TE Technology . . . TE Know-how . . .**

Get your product to market faster with a smarter, better solution.
### Part Numbering and Dimensions

<table>
<thead>
<tr>
<th>Interface</th>
<th>Part No.</th>
<th>Backplane</th>
<th>Daughtercard</th>
</tr>
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<tbody>
<tr>
<td>VITA 66.1</td>
<td>2000973-1 2000974-1</td>
<td></td>
<td></td>
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<tr>
<td>VITA 66.4</td>
<td>2226880-1 2226881-1</td>
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<tr>
<td>MT Ferrule Kit</td>
<td>2102866-1 2102866-2</td>
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</table>

**VITA 66.1**
(Shown Assembled with Reference MT Cable Assemblies Installed)

**Backplane Module**
Part No. 2000973-1

**Daughtercard Module**
Part No. 2000974-1

**Protective Cover**
Part No. 2102321-1

**VITA 66.4**
(Shown Assembled with Reference MT Cable Assemblies Installed)

**Backplane Module**
Part No. 2226880-1

**Daughtercard Module**
Part No. 2226881-1
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Consult TE for the latest dimensions and design specifications.

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