# Nomenclature Guide

## QLx Types

### Wired Signal Integrity Parts

<table>
<thead>
<tr>
<th>PREFIX</th>
<th>QLx</th>
<th>XXXX</th>
<th>XXX</th>
<th>XX</th>
<th>TAPE &amp; REEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PART NUMBER**

- **RIQ:** Generic Receive Side Equalizer
- **SIQ:** Impedance Select Option
- **LIQ:** LOS Option
- **IQ:** Intersil-Quellan (introduced after Intersil acquisition of Quellan)

**NOTE:**
1. Usually Number of Channels + Data rate, e.g. 4600: Quad 6G; 411G: Quad 11G.

## Active Cables

<table>
<thead>
<tr>
<th>PREFIX</th>
<th>QLx</th>
<th>XXXX</th>
<th>XXX</th>
<th>YYYY</th>
<th>LENGTH/GAUGE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PART NUMBER**

- **FORM-FACTOR**
  - SFP for SFP+
  - QSFP for QSFP
  - MSAS for Mini-SAS
  - SDP for mini DisplayPort
  - SDP for Standard DisplayPort
  - SMDP for mini-to-standard DisplayPort

**NOTES:**
1. Data Rate followed by Special Designator, followed by Customer Designator (if applicable), followed by "C" for cable.
   - Special Designators:
     - 0 for half-active (chip on RX side only)
     - 1 for generic full-active (chips on both TX and RX ends)
     - 2 for full-active Ethernet
   - Customer Designator:
     - 0 for general market, other numbers for specific customers, e.g. 600C (6G half-active cable), 4000C (40G half-active cable), 4100C (40G full-active cable)
2. For example, connector type or form-factor: SFP for SFP+, QSFP for QSFP, MSAS for Mini-SAS, SDP for mini DisplayPort, SDP for Standard DisplayPort, SMDP for mini-to-standard DisplayPort.
3. For example, 1028 = 10m 28 AWG.