# 200G QSFP56 to 2x QSFP56

## Active DAC Breakout Cables

Volex's QSFP56 Active Breakout Direct Attach Cables feature 4 transmitting and 4 receiving 50Gbps PAM4 channels and support 200Gbps (QSFP56) to 2x 100Gbps (2x QSFP56) breakout configurations. The cable assemblies meet 50GbE Ethernet (IEEE 802.3cd) standard. The signal integrity severely stressed under high-speed data transmission is enhanced via advanced linear equalization. The result is longer reach with same or thinner and more flexible cable.

Next-gen data centers are deploying faster speed in a tighter space. The Volex QSFP56 active breakout cables are designed for high density applications with reliable operation and low cost.

Low power consumption and heat dissipation

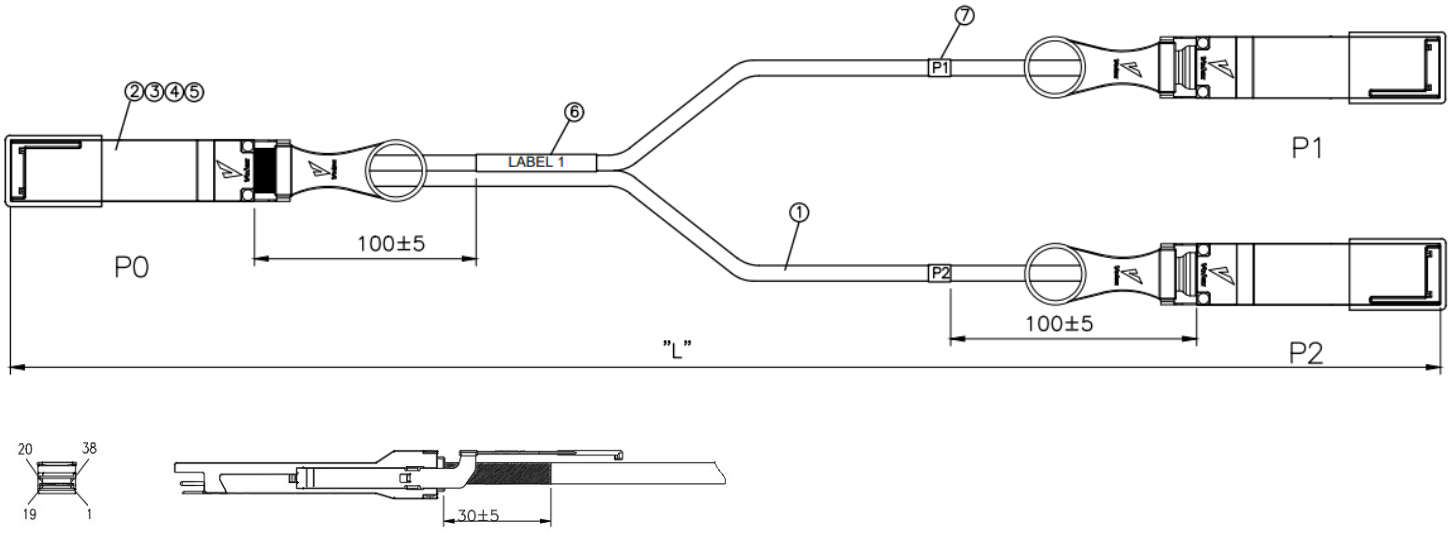
Complete cable assembly uniquely terminated at the factory to provide the most reliable operation

100% tested for signal integrity with serial number traceability

| FEATURES AND SPECIFICATIONS | |
|---|---|
| **Product Type** | 200Gbps (QSFP56) 2x 100Gbps (QSFP56) Active Breakout Copper Direct Attach Cable |
| **Conductor Treatment** | Laser stripped conductors |
| **Cable Type** | High-speed twinax cable 2x 4-pair differential, 100 +/-5 ohms |
| **Cable Colour** | Black |
| **Cable Jacket** | PVC |
| **Packaging** | PE bag |
| **Power Supply Voltage** | 3.3 V |
| **Temperature Range** | 0 - 70°C |
| **Retention Force** | Meet MSA specification |
| **Insertion Force** | Meet MSA specification |
| **EEPROM** | Each connector module contains an EEPROM to provide product information to the host system |
| **Cable Termination** | 100% factory tested including comprehensive signal integrity verification and serial number traceability using advanced Manufacturing Execution Systems |
| Volex reserves the right to change specifications and availability without prior notice. | |

| Applications | Standards Compliance |
|---|---|
| • Switches, Servers, Routers, Storage Arrays<br>• Networking Equipment<br>• Data Centers<br>• Telecommunication Central Offices<br>• Test and Measurement Equipment | • IEEE P802.3cd, InfiniBand HDR<br>• SFF-8402, SFF-8432, SFF-8665, SFF-8661, SFF-8472, SFF-8636, SFF-8679<br>• EIA-364<br>• UL 94, 1581, VW1, File No. E510564<br>• RoHS |

## Mechanical Drawing







| Volex P/N (QSFP56 to 2x QSFP56) | Cable Length (m) | Cable Gauge (AWG) | Cable OD (mm) |
|---|---|---|---|
| D250PDG30BA | 3.00 | 30 | 6.0 |
| D250PDG40BA | 4.00 | 30 | 6.0 |
| D258PDG50BA | 5.00 | 28 | 6.6 |
| D258PDG60BA | 6.00 | 28 | 6.6 |
| D258PDG70BA* | 7.00 | 28 | 6.6 |
| * Maximum cable reach of ACC cable will be shorter in InfiniBand HDR application | | | |

3.0 - 7.0m lengths available with 26 - 30 AWG conductor sizes to achieve maximum performance.

### Options Available

- Low Smoke, Zero Halogen (LSZH) Jackets
- Custom colours for pull tab
- Custom EEPROM mapping


**Volex Worldwide**
**CONTACT INFO**

| | | |
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Contact us at **sales@volex.com**
for assistance in finding the right solution for your needs.