200G QSFP56
Active Copper Cable

Volex's QSFP56 Active Copper Direct Attach Cable features 4 transmitting and 4 receiving 50Gbps PAM-4 channels. The cable assembly meets 50G and 200G Ethernet and InfiniBand High Data Rate (HDR) specifications.

The Volex QSFP56 active DAC enhances Signal Integrity severely stressed under high-speed data rate through advanced linear equalization. The result is up to 7M reach vs. max 3M reach for the passive version and smallest cable size and highest flexibility.

As next-gen data centers deploy faster speed in a tighter space, they need high performance cables that reduce power consumption, provide reliable operation and are low cost.

The Volex QSFP56 active DAC is designed to meet the next-gen data center needs and, at less than 150mW per active channel, is a cost effective alternative to the high power consumption Active Optical Cable.

Low power consumption and heat dissipation

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

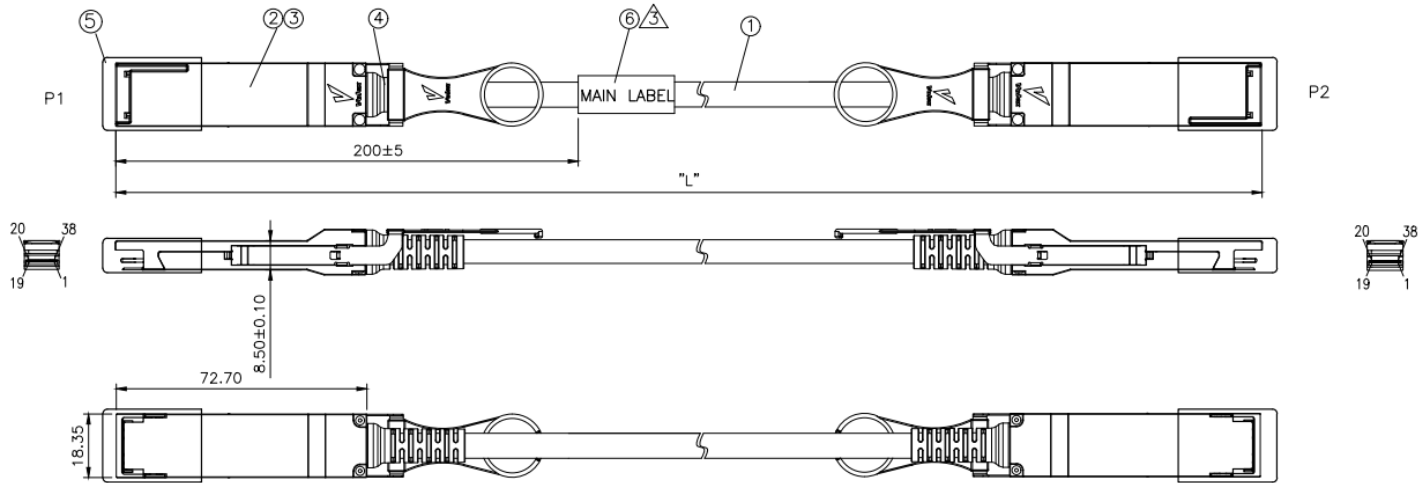100% tested for signal integrity with serial number traceability

FEATURES AND SPECIFICATIONS	
Product Type	QSFP56 to QSFP56 Active Copper Cable Assembly
Conductor Treatment	Laser stripped conductors
Cable Type	High-speed twinax cable, 8-pair differential, 100 +/-5 ohms
Cable Colour	Black
Cable Jacket	PVC
Packaging	PE bag
Power Supply Voltage	3.3 V
Power Consumption	<150mW per active channel
Temperature Range	0 - 70°C
Retention Force	Minimum 125N per SFF-8661
Insertion Force	Maximum 60N per SFF-8661
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.

High-Speed Interconnect

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

Mechanical Drawing

Volex P/N	Cable Length (m)	Cable Gauge (AWG)	Cable OD (mm)
DA50PDG30BA	3.00	30	7.0
DA50PDG40BA	4.00	30	7.0
DA58PDG50BA	5.00	28	8.5
DA58PDG60BA	6.00	28	8.5
DA58PDG70BA*	7.00	28	8.5
* 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

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