Volex 800G QSFP-DD TO 2x/4x Q112 ACC Breakout Cable

Volex's 800G QSFP-DD to 2x/4x QSFP112 ACC breakout cable features 8 100Gbps channels with PAM-4 modulation for each of the transmitting and receiving directions. The breakout cable is offered in a 800Gbps (QSFP-DD) to 2x 400Gbps (2x QSFP112) or 4x 200Gbps (4x QSFP112) configurations. The cable assembly meets IEEE 802.3ck 800GBase-CR8, 400GBase-CR4 , 200GBase-CR2 standard with substantial signal integrity margin providing high performance and bandwidth interconnect solutions for high-density applications.

The signal integrity severely stressed under high-speed data transmission is enhanced via advanced linear equalization. The result is longer reach up to 5M vs 2M for the passive version with the same unique dielectric material and cable. construction that offers the smallest cable size and highest flexibility. The result is a highly flexible DAC cable which reduces the overall bend space up to 30% vs the passive version, making it ideal for deployment in high density rack.

Low power consumption and heat generated

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

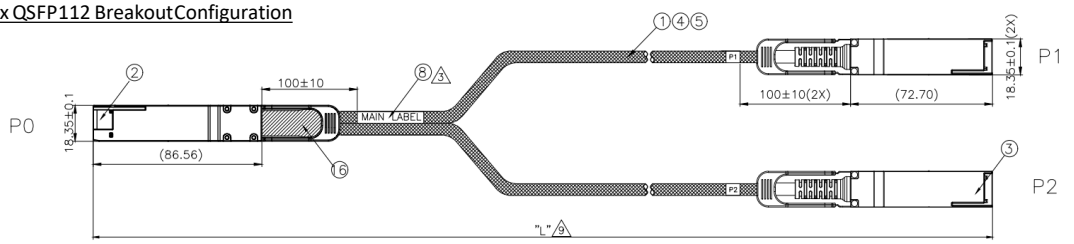
100% tested for signal integrity with serial number traceability

FEATURES AND SPECIFICATIONS	
Product Type	800G QSFP-DD TO 2x 400G (2x Q112) or 4x200G (4x Q112) ACC breakout cable assembly
Conductor Treatment	Laser stripped conductors
Cable Type	High speed twinax cable, 16-pair differential, 100 +/-5 ohms
Cable Colour	Black
Cable Jacket	Plastic braided mesh
Packaging	PE bag
Power Supply Voltage	3.3V
Power Consumption	<150mW per active channel
Temperature Range	0 - 70°C
Retention Force	>90N for QSFP; >125N for QSFP-DD
Insertion Force	<60N for QSFP; < 90N for QSFP-DD
EEPROM	CMIS 5.0 compliance
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.	

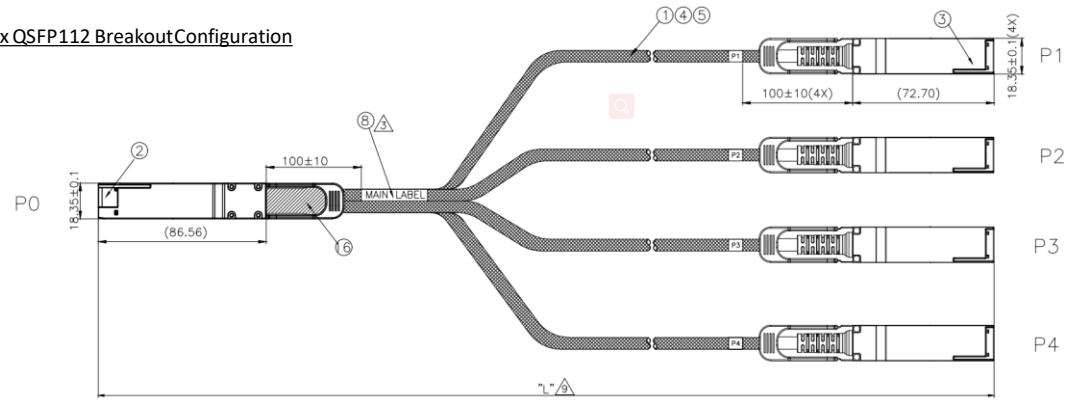
Applications	Standards Compliance
• Switches, Servers, Routers, Storage Arrays • Networking Equipment • Data Centres • Telecommunication Central Offices • Test and Measurement Equipment	• IEEE 802.3ck • QSFP-DD HW 6.3/SFF-8665, SFF-8661, SFF-8636, • SFF-8679 • CMIS 5.0 • EIA-364 • UL 94, 1581, VW1, File No. E510564, RoHS

Mechanical Drawing

QSFP-DD to 2x QSFP112 Breakout Configuration



QSFP-DD to 4x QSFP112 Breakout Configuration



Volex P/N (QSFP-DD TO 2x Q112)	Volex P/N (QSFP-DD TO 4x Q112)	Cable Length (m)	Cable Gauge (AWG)	Cable OD (mm) (2x/4x)
DT60BDG10BA	DC60BDG10BA	1.00	30AWG	6.5/5.2
DT60BDG20BA	DC60BDG20BA	2.00	30AWG	6.5/5.2
DT60BDG30BA	DC60BDG30BA	3.00	30AWG	6.5/5.2
DT66BDG40BA	DC66BDG40BA	4.00	26AWG	8.0/6.8
DT66BDG50BA	DC66BDG50BA	5.00	26AWG	8.0/6.8

1–5m lengths available with 30AWG-26AWG conductor sizes to achieve maximum performance.

Options Available

Custom colours for cable jacket
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.