

High Speed I/O Cages for 400Gbps to 800Gbps

YAGEO Group's new range of QSFP-DD and QSFP112 (Double-density Quad small form-factor pluggable), and OSFP8 (Octal small form factor pluggable) high speed I/O connectors, cages and assemblies are compatible with 400Gbps connectivity for optical Ethernet by aggregating 4x lanes of 100Gbps or 8x lanes for 800Gbps respectively. They can also support plug-in transceivers operating at slower 100Gbps and 200Gbps speeds depending on the silicon inside the transceiver module.

The QSFP-DD, QSFP112 and OSFP8 ranges are available in a selection of ports from single (1x1) and (1xN) with options for applications which require heat sink (PCIe, SAN and NET) to the stacked (2xN) styles. Both offer light pipes - requiring external SMD LEDs to be fitted under the cages for signal link indication prior to press-fitting.

Key Features:

- ✓ QUAD Small Form-Factor Pluggable
- ✓ 400G and 800G data solutions
- ✓ Press-Fit Technology
- ✓ External or Internal Light Pipes
- ✓ Heat Sink options (PCIe, SAN, NET)
- ✓ 1x1 Single Port with Heat sinks and single Light Pipe
- ✓ 1x2 Dual Port with Heat sinks and side Light pipes (left/right)
- ✓ Stacked Multi-port 2x1, 2x2 and 2x4 with/out connector, heat sinks and external Light Pipes



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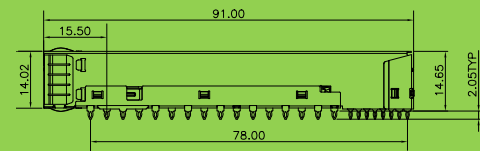


Telecommunication

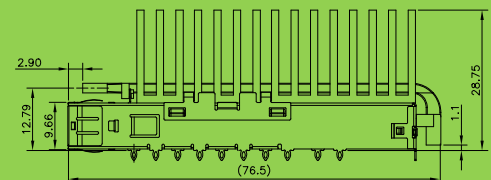


Computing & Enterprise
Systems

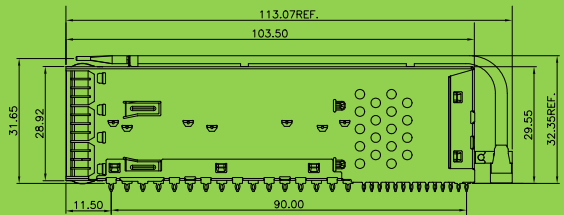
1x1 OSFP8 Cage without connector



1xN QSFP-DD Cage with Heat Sink



2xN OSF28 Cage with external Light Pipe



Applications:

HP Computing and Hyperscaling
Data Centers and AI Servers
Enterprise Routers and Switches
Telecommunications aggregation
and Backhaul links

QSFP-DD and OSFP8 Connectors for 400/800Gbps

Part Number	Description	PCB Mount
QSF12-C100S-3L	QSFP112 1x1, 400G, 38pin, 30μ" Gold Connector	SMD
QSF12-C200S-3L	QSFP112 2x1, 400G, 104pin, 30μ" Gold Connector	SMD
QSFD8-C100S-3L	QSFP-DD 1x1, 400G, 76pin, 30μ" Gold Connector	SMD
QSFD8-C100S-3L	QSFP-DD 1x1, 800G, 76pin, 30μ" Gold Connector	SMD
OSFP8-C100S-3L	OSFP8 1x1, 800G, 60pin, 30μ" Gold Connector	SMD
OSFP8-C200S-3L	OSFP8 2x1, 800G, 120pin, 30μ" Gold Connector	SMD



High Speed 1xN Cages for 400Gbps

Part Number	Description	PCB Mount	Heat Sink	Light Pipe
QSFDD-111NP-0L	QSFP-DD* 1x1, Cage, Light Pipe, Heat Sink	Press-Fit	NET	1
QSFDD-120PP-0L	QSFP-DD* 1x2, Cage and Heat Sink	Press-Fit	PCI	None
QSFDD-124NP-0L	QSFP-DD* 1x2, Light Pipe, Heat Sink	Press-Fit	NET	2
QSFDD-122NP-0L	QSFP-DD* 1x2, Light Pipe (Left), Heat Sink	Press-Fit	NET	1
QSFDD-123NP-0L	QSFP-DD* 1x2, Light Pipe (Right), Heat Sink	Press-Fit	NET	1

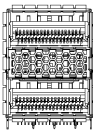


*See table above for the required 1x1 QSFP-DD or QSFP112 SMD Connector

High Speed 2xN Connector and Cages for 400Gbps



Upper Port
Mesh
Lower Port

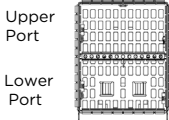


Part Number	Description	PCB Mount	Heat Sink	Light Pipe	Gold Finish
QSFDD-210HP-3L	QSFP-DD 2x1 Cage, Connector, Heat Sink Opening	Press-Fit	None	No	30μ"
QSFDD-220PP-3L	QSFP-DD 2x2 Cage, Connector, Heat Sink	Press-Fit	PCI	No	30μ"
QSFDD-240NP-3L	QSFP-DD 2x4 Cage, Connector, Heat Sink	Press-Fit	NET	No	30μ"

High Speed Cages for 800Gbps



Light Pipe



Part Number	Description	PCB Mount	Heat Sink	Light Pipe
OSFP8-1100P-0L	OSFP 1x1 Cage - No Connector*	Press-Fit	None	No
OSFP8-2120P-0L	OSFP-DD 2x1 Cage, Light Pipe - No connector*	Press-Fit	None	No
OSFP8-2420P-0L	OSFP-DD 2x4 Cage, Light Pipe - No connector*	Press-Fit	None	No



*See top table on this page and select the required 1x1 and 2x1 SMD OSFP Connector

For More Information:

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