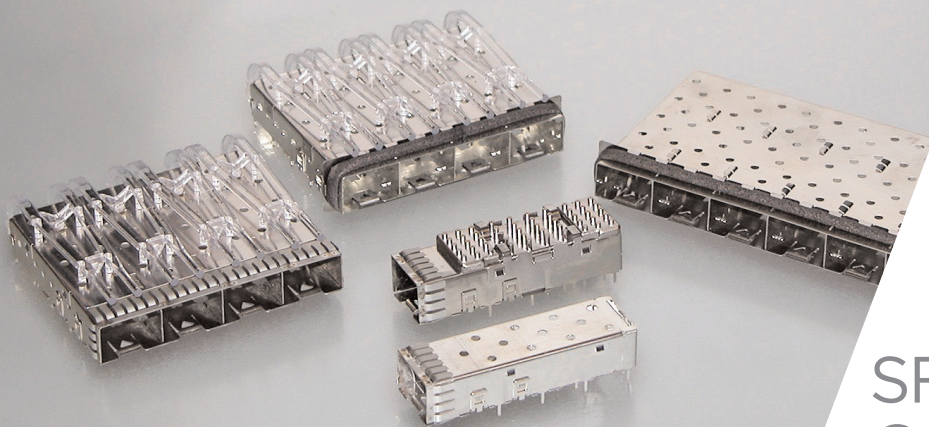




SFP+ product family: Cages Connectors Cable assemblies

DESCRIPTION

SFP+ extends the use of the Small Form-Factor Pluggable (SFP) interconnect up to 10 Gb/s. This system meets the performance requirements of SFF (Small Form-Factor) specification SFF-8431 and supports 8G Fibre Channel and 10G Ethernet applications. The SFP+ product family includes cages, connectors, and copper cable assemblies. Tyco Electronics also offers LC optical connectors and cable assemblies to link with SFP+ transceivers.

APPLICATIONS

- Storage
- Servers
- Networking
- Switches
- Routers
- Hubs
- Network Interface Cards (NICs)

KEY FEATURES & BENEFITS

- SFP+ interconnect system supports data rates of 10 Gb/s
- Connector designed to support 10Gb/s+ signal speeds, backward compatible with SFP
- Both EMI spring and gasket options for cages provide excellent shielding
- All cage configurations are offered with lightpipes for LED applications
- Heatsink optional for single port cages
- Cages are available for PCI card applications (one degree mounting angle)
- Cages accommodate belly-to-belly mounting
- Stacked cages include integrated high speed connector using patented "clicklet" construction.
- Active and passive copper cable assemblies provide a cost-effective solution for short reach applications.

FOR MORE INFORMATION

Technical Documents:
Application Specification
Single & Ganged Cages 114-13120
Stacked Cages 114-13219
Product Specification 108-2331

Industry standards:
Cage and module definition: SFF-8432
Mating Interface and performance requirements: SFF-8083
Electrical Interface Specifications: SFF-8431

Cages and Connectors
Product Manager — Mike Walmsley
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Fax: 1-717-985-2833
Email: mjwalmsl@tycoelectronics.com

Cable Assembly
Product Manager — David Stonfer
Phone: 717-986-5950
E-mail: david.stonfer@tycoelectronics.com

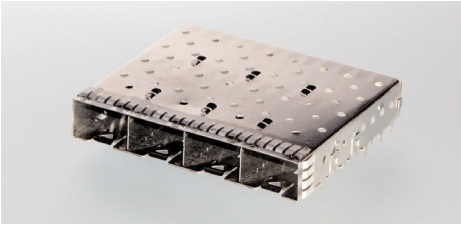
Technical Support
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UK: 31-73-6246-431
Japan: 81-44-844-8111

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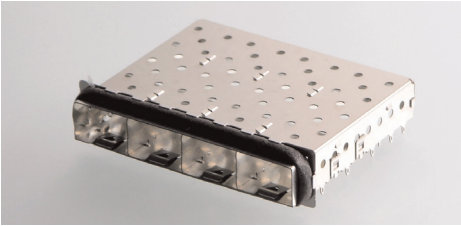
PART NUMBERS

Cages with EMI springs



Description	Single port	1x2	1x4	1x6
Cage Assy w/Light Pipes	2007254-1	2007262-1	2007178-1	2007250-1
Cage Assy	2007198-1	2007263-1	2007132-1	2007251-1
Cage Assy w/PCI Heatsink	2007464-1	—	—	—
Cage Assy w/SAN Heatsink	2007464-2	—	—	—
Cage Assy w/Networking Heatsink	2007464-3	—	—	—

Cages with elastomeric gaskets



Description	1x2	1x4	1x6
Cage Assy w/Light Pipes	2007180-1	2007093-1	2007169-1
Cage Assy	2007181-1	2007135-1	2007170-1

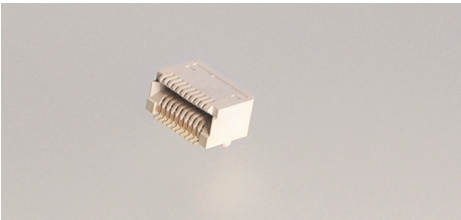
Cages for PCI applications

- One degree mounting angle to meet requirements of SFF-8075



Description	Solder	Press-Fit
Cage Assy	2007194-1	2007215-1
Cage Assy w/PCI Heatsink & Clip	2007193-1	2007277-1

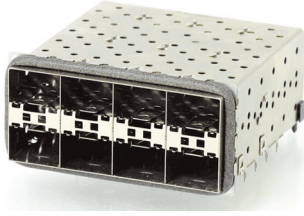
Connectors



Contact Plating	Part Number
0.76µm (30 min) gold	1888247-1
0.38µm (15 min) gold	1888247-2

PART NUMBERS

Stacked SFP+ Cage/Connector Assemblies



Description					
EMI Containment Style	Lightpipe Option	2x1	2x2	2x4	2x6
Elastomeric Gasket	four per column	2007538-5	2007417-5	2007399-5	2007567-5
Elastomeric Gasket	inner lightpipes only	2007538-6	2007417-6	2007399-6	2007567-6
Elastomeric Gasket	outer lightpipes only	2007538-7	2007417-7	2007399-7	2007567-7
Elastomeric Gasket	none	2007538-8	2007417-8	2007399-8	2007567-8
EMI Springs	four per column	2007492-5	2007637-5	2007394-5	2007562-5
EMI Springs	inner lightpipes only	2007492-6	2007637-6	2007394-6	2007562-6
EMI Springs	outer lightpipes only	2007492-7	2007637-7	2007394-7	2007562-7
EMI Springs	none	2007492-8	2007637-8	2007394-8	2007562-8

Tin plated compliant pins listed, tin-lead compliant pins available for signal connector.
See Tyco Electronics drawing.

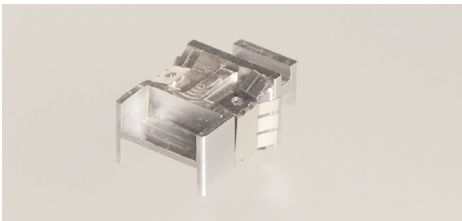
Dust plug (non-conductive)

For uses in	Part Number
Single port cages	1367147-1 or 1761394-1
Ganged and stacked (multi-port) cages	1761394-1

Dust plug 1761394-1 has narrow width, required for port density in ganged and stacked cages.

EMI plug

- **Part Number: 1888901-1**
- Springs comply with SFF-8432 requirements for improved pluggable form-factor (IPF)



PART NUMBERS

Direct Attach Copper Cables

- Truly broadband - operates from 500 Mb/s up to 10 Gb/s
- Cost effective solution over Fiber Optic for short reach applications
- Compatible with industry standard SFP cages
- Active or passive equalization
- Broad range of lengths available
- EMI shielding
- Hot swappable
- Other options include: custom cable lengths, cross-over cables and labeling



Type	Part Number	Description
Passive	2032237-1	0.5 meter SFP+ Cable Assembly
	2032237-2	1 meter SFP+ Cable Assembly
	2032237-3	2 meter SFP+ Cable Assembly
	2032237-6	5 meter SFP+ Cable Assembly
	1-2032237-1	10 meter SFP+ Cable Assembly
	1-2032237-6	15 meter SFP+ Cable Assembly
Active	2032757-1	1 meter SFP+ Cable Assembly
	2032757-5	5 meter SFP+ Cable Assembly
	1-2032757-0	10 meter SFP+ Cable Assembly
	1-2032757-5	15 meter SFP+ Cable Assembly
	2-2032757-0	20 meter SFP+ Cable Assembly

Note: Other cable lengths are available, please see Tyco Electronics Customer Drawing

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Dimensions are in millimeters with inches (if shown) in brackets.

For more information, see Pluggable Input / Output Solutions Catalog No.1773408-1, contact your Tyco Electronics sales engineer, call 1-800-522-6752, or visit our Website at: <http://www.tycoelectronics.com>.

Specifications subject to change.

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