



CHANT SINCERE CO., LTD.



Telecom

- ▾ SFP
- ▾ QSFP
- ▾ OSFP

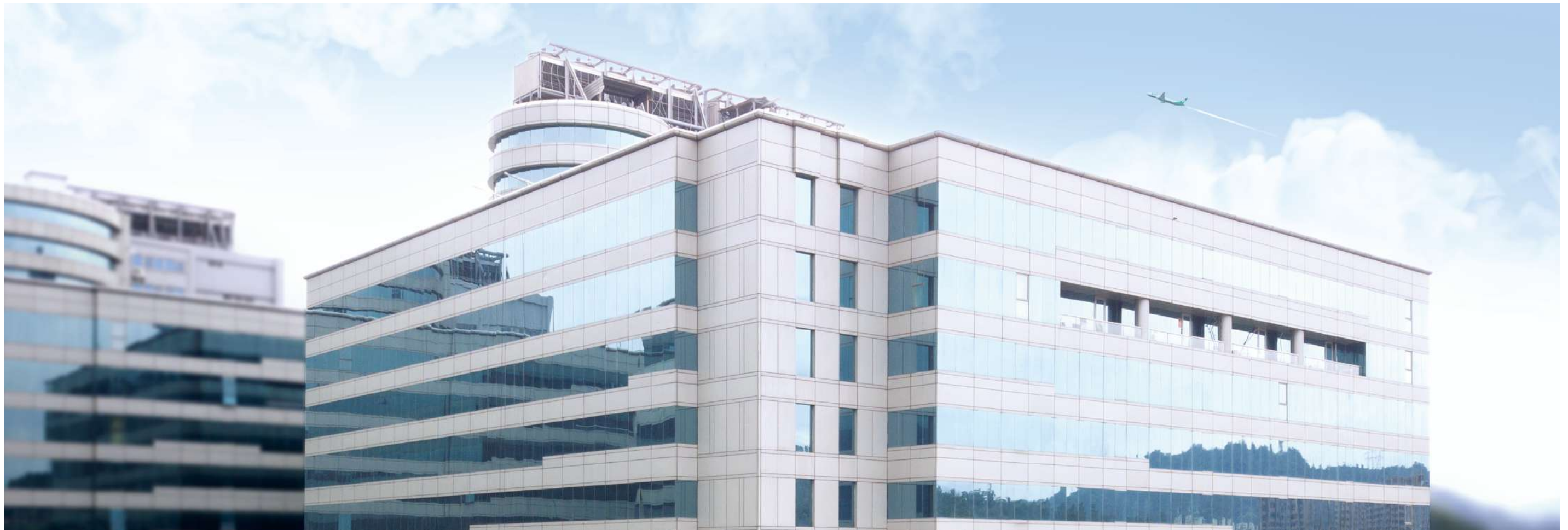
Cage
Assembly
Connector



Table Of Contents

About Chant Sincere	03
Quality Systems	05
Competencies & Technology	07
SFP/QSFP Series	09
OSFP Series	35





About Chant Sincere

Chant Sincere Co., Ltd. was set up in 1985, with the management concept of "Integrity, Innovative, Quality, Sustainability" to design and manufacture connector and cable. Keep developing new innovative products and integrating vertically from R&D, tooling, assembly and quality control to meet the demands (quality-cost/delivery) from customers. Chant Sincere Co., Ltd. has been constructing several of product families to provide a total solution to customers.

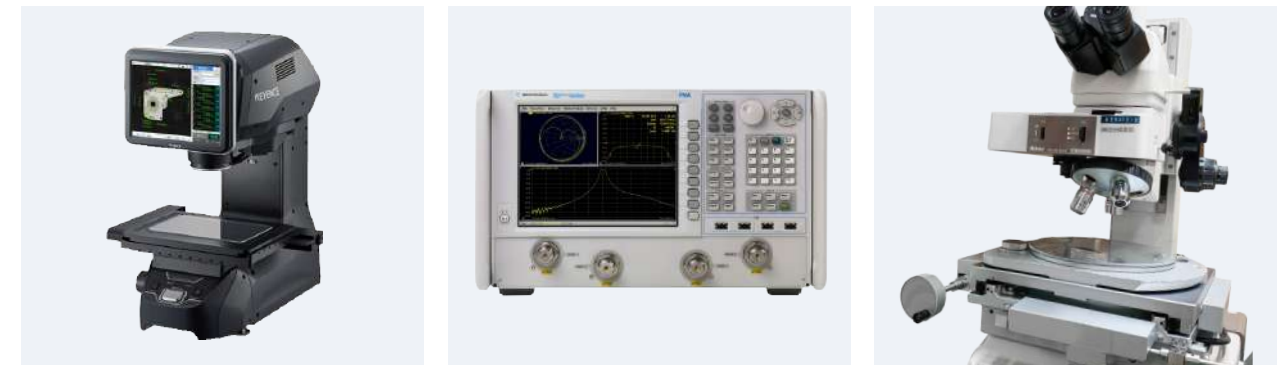
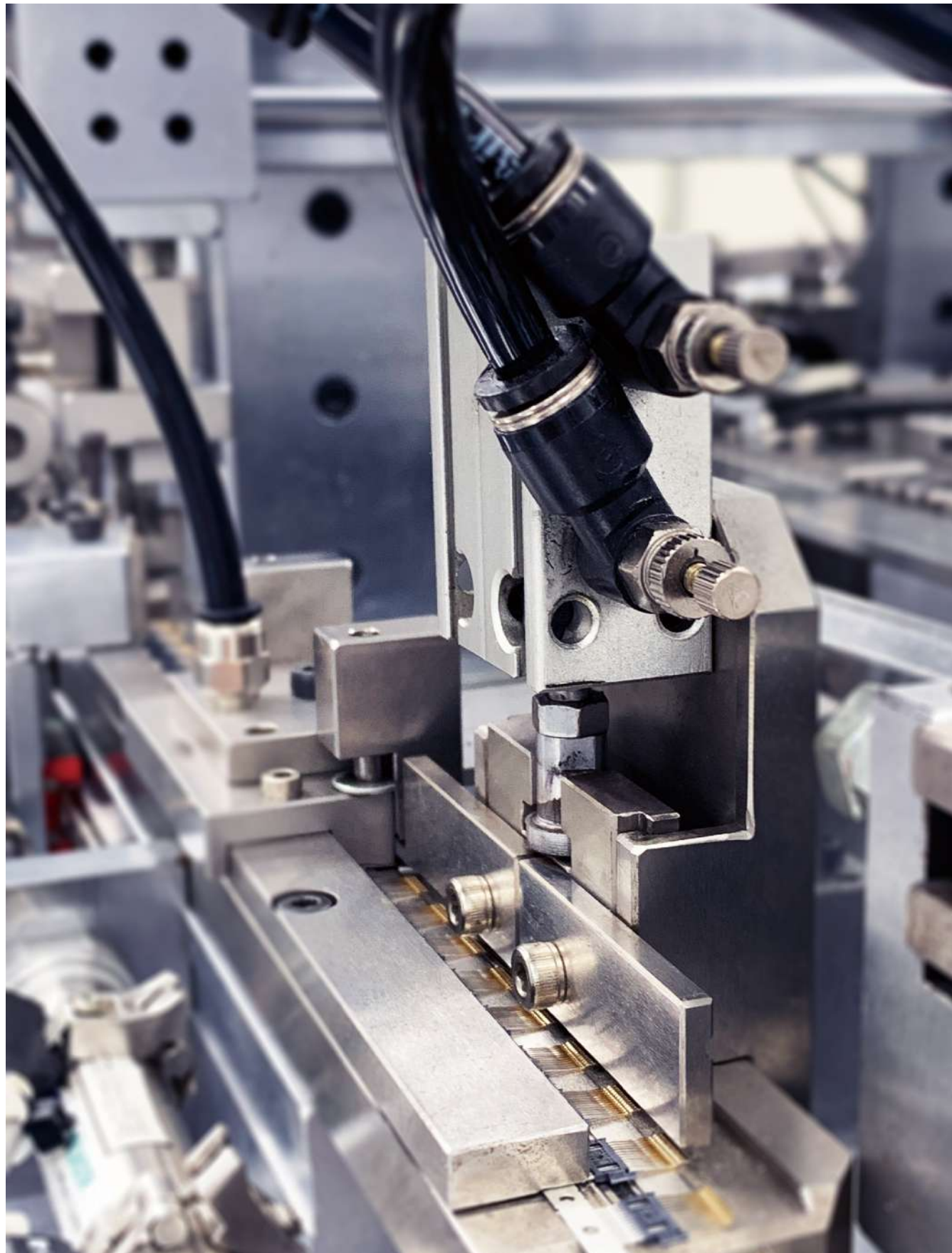
The connector and cable products are widely used in many different applications, such as Computing, Industrial & Automation, Telecommunication, Automotive, Waterproof, Consumer and Medical Industry.

Chant Sincere won the "National Bedrock Award" & "Small Giant Award" from Taiwan Connector maker competition and got many "Best Supplier Awards" from Global customers. We are focusing on improving our design and manufacture technology, and we have been applying for a lot of international patents for our products including I/O connector, Board to Board Connector, Waterproof Connector, Industrial Connector, Automotive Connector, Memory Card Connector and Adaptor, High Speed connector/cable (USB3.1), Audio & Video connector and cable (HDMI, DisplayPort)...etc.

Chant Sincere Co., Ltd. has been growing up as a global professional manufacturer for connector and cable.

The Core Competence of Chant Sincere Co.,Ltd. including.

- Over 40 Years Manufacture Experience
- National Awards Rising Sun Awards/Best Supplier Awards
- Vertical Integration (Design, Tooling, Manufacturing, Test)
- Automation Capability
- Precise Tooling Center
- Wide Range of Product Line
- ODM/OEM Capability
- Customized Capability
- Quality System (ISO, IATF)
- Systematic Testing Process



Quality Systems

Chant Sincere (hereinafter referred to as C.S.) Quality Assurance department meets our customers' quality requirements by practicing continual improvement in our quality assurance processes and increasing customers' satisfaction in the quality of our products.

The effectiveness of QA operation is certified by well-known organizations such as ISO9001 Quality Assurance Management System, ISO 14001 Environmental Management System, ISO/IATF 16949 for Automobile Industry Quality Management System, and ISO13485 Medical Devices Quality Management System. C.S. integrated supply chain and devoted staff has enabled us to build a solid foundation and core capability to better serve our customers. It is principal to always meet and exceed customer expectation by providing superior products and services. Our ultimate goal is to create value for our customers by building collaborative and mutually beneficial relationships.



ISO 14064-1 / ISO 9001 / ISO 14001 / IATF 16949 / ISO 13485



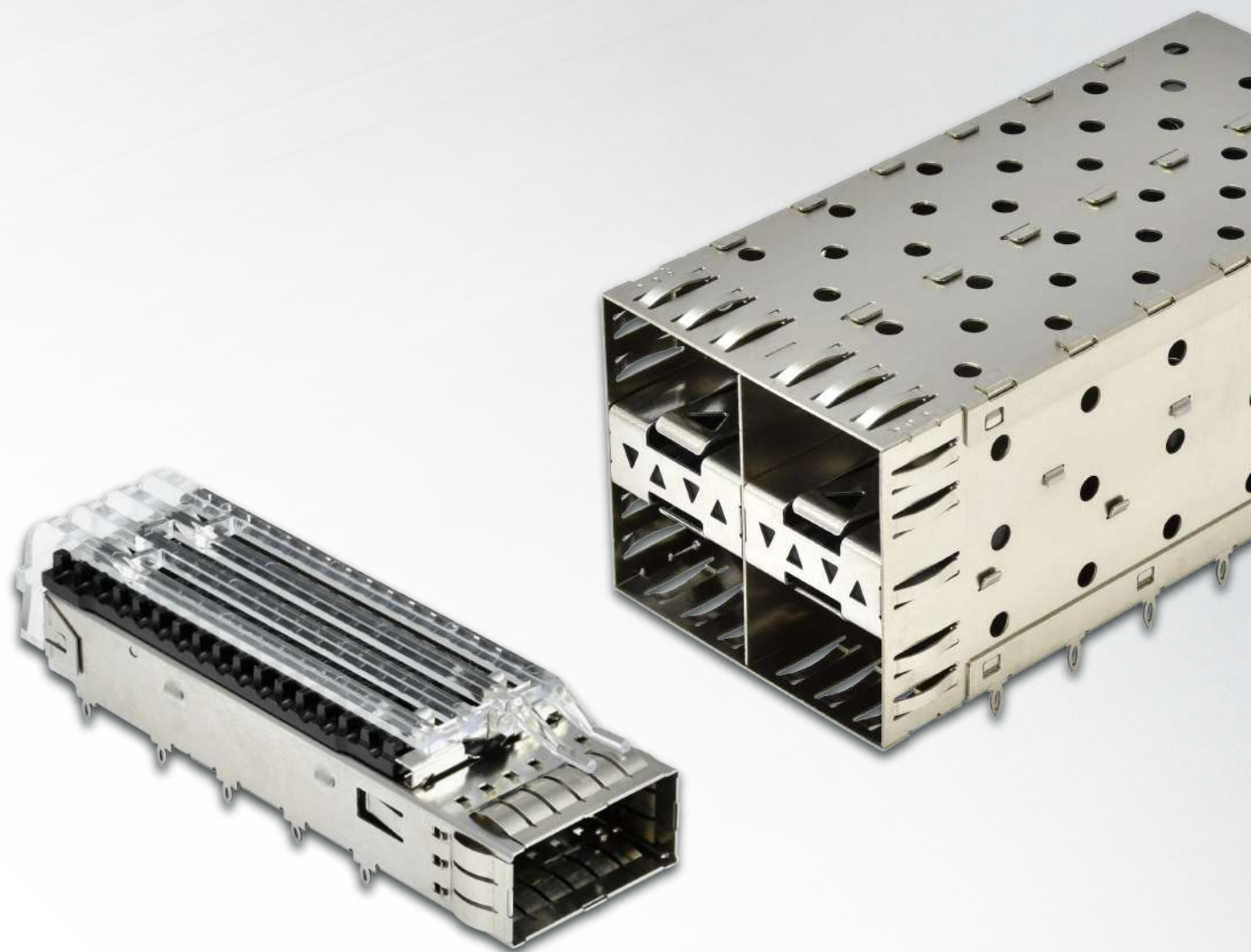
Competencies & Technology

The R&D Center at Chant Sincere leads the industry in research, design, and manufacturing of numerous key parts. This center has successfully developed for both wired and wireless solutions for computer peripherals, communication systems, and automobiles/industrial/medical equipment. Our solid R&D team formed a strong foundation in advance manufacturing technology and superior quality control that also enabled high value adding service for customers.

USB type C connector is an example of the fruits of our research. This miniature and unidirectional interface provides many useful functions such as lighting data transfer rate up to 10 Gbps, DP ALT Mode high-definition video signal support, and brilliant 100W charging capability. Chant Sincere advanced the research further into higher specs such as USB 3.2 and USB 4.0 and offers customized solution for several of industrial applications. We delivered comprehensive solutions in bridging the diverse need for new interface and solve on-going product design issues for customers.

QSFP-DD is an ultra-fast interface that transmits data at 400Gbps speed.

At this speed, stringent requirement for signal integrity and operating temperature is inevitable which imposed huge challenges for the industry. At Chant Sincere, we implemented comprehensive computational software, state of art measuring equipment and eminent R&D capability to aid the solution delivering process. The analysis process includes simulation under CST MSW (Time Domain Simulation), ANSYS HFSS (Frequency Domain Simulation) for signal integrity as well as real-time measurement using test boards and PNA (up to 43.5GHz) to deliver quality reports for signal integrity (S-parameter, Gain compression, conversion gain/loss, noise level). We further performed simulation of its operating temperature using Icepak (Heat transfer and fluid flow simulator). This enabled the performance optimization for heat dissipation solution. With the above R&D skills we successfully delivered the desired professional service within the shortest time frame for our customers.



SFP / QSFP

SFP Application

The small form-factor pluggable (SFP) is a compact, hot-pluggable network interface module used for both telecommunication and data communications applications. The form factor and electrical interface are specified by a multi-source agreement (MSA) under the auspices of the Small Form Factor Committee. It is a popular industry format jointly developed and supported by many network component vendors.

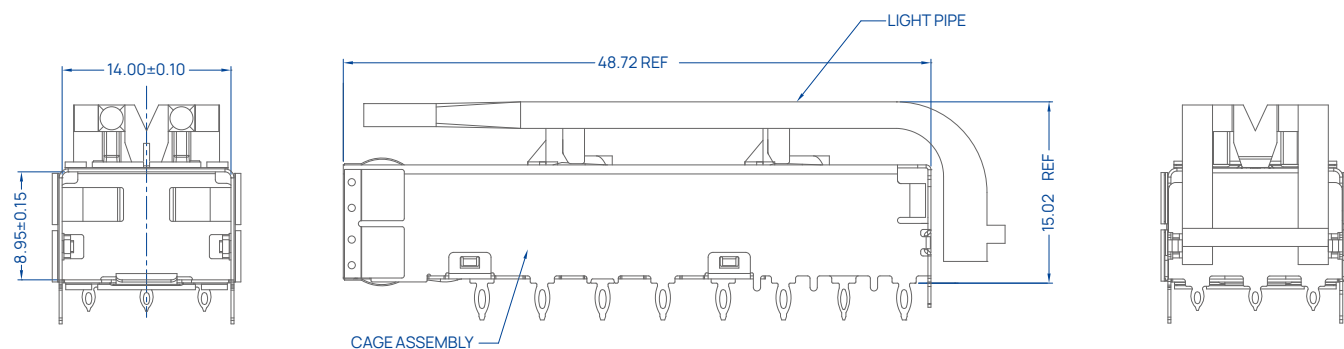
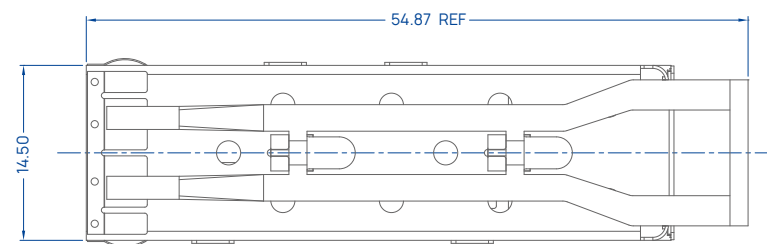
Application

- Server
- Switch
- Storage
- Router

Product Characteristics

- SFPs instead of fixed interfaces (e.g. modular connectors in Ethernet switches) are that the interface port can be equipped with any suitable type of transceiver as needed.
- Supporting SONET, Gigabit Ethernet, Fibre Channel, PON, and other communications standards.
- A slightly larger sibling is the four-lane Quad Small Form-factor Pluggable (QSFP). The additional lanes allow for speeds 4 times their corresponding SFP. The QSFP28 variant was published allowing speeds up to 100 Gbit/s.
- QSFP types- 4 Gbit/s QSFP, 40 Gbit/s QSFP+, 100 Gbit/s QSFP28.


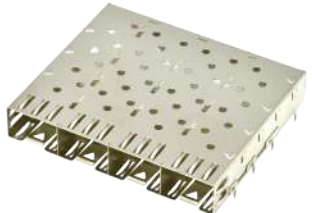


SFP+ Cage



Specification

Part No.	5915401XXXX
Material	
Cage Assembly	Copper Alloy.
EMI Springs	Copper Alloy.
Light Pipe	PC, Clear.
Finish	
Cage Assembly	Nickel Plated.
Mates with SFP MSA Compliant Transceivers.	
Minimum PC Board Thickness	Single Sided =1.50 mm
Operating Temperature	-55°C to +85°C
Light Pipe Shipped Unassembled to Cage Assembly.	
Cage Assembly to be Pressed into The PCB Prior to Attaching the Light Pipe to The Cage.	
This Part Meets The Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) Directive (2011/65/Eu).	


SFP Cage

Photo	Port No.	Type	Part No.
 1X1 Solder Type  1X4 Solder Type	1X1	Solder	5915102XXXX
	1X2		5915103XXXX
	1X4		5915104XXXX
	1X6		5915105XXXX
 1X1 PressFit  1X2 PressFit	1X1	PressFit	5915401XXXX
	1X2		5915402XXXX
	1X4		5915403XXXX
	1X6		5915404XXXX

SFP+ Cage


Photo	Port No.	Type	Part No.
 Heat Sink, EMI Spring  EMI Spring	1X1	Solder	5915201XXXX
	1X2		5915202XXXX
	1X4		5915203XXXX
	1X6		5915204XXXX
 Light Pipe, EMI Spring  EMI Spring	1X1	PressFit	5915504XXXX
	1X2		5915505XXXX
	1X4		5915506XXXX
	1X6		5915507XXXX

SFP 28 Cage

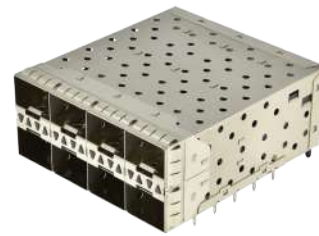
Photo	Port No.	Type	Part No.
 Heatsink With Absorber	1X1	PressFit	5915602XXXX
	1X2		5915603XXXX
	1X3		5915604XXXX




SFP Assembly

Photo	Port No.	Type	Part No.
 <p>2X1, w/o Light Pipe</p> <p>2X2</p> <p>2X4</p> <p>2X2, Light Pipe</p> <p>2X8</p>	2X1	PressFit	5912605XXXX
	2X2		5912606XXXX
	2X4		5912603XXXX
	2X6		5912607XXXX
	2X8		5912608XXXX

SFP+ Assembly

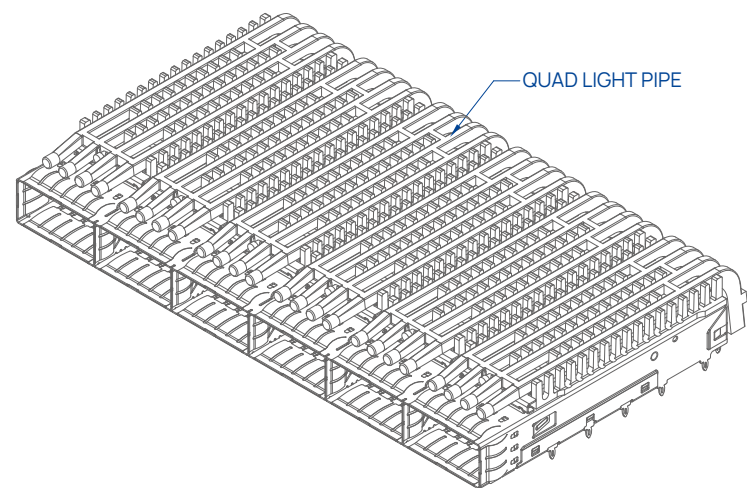
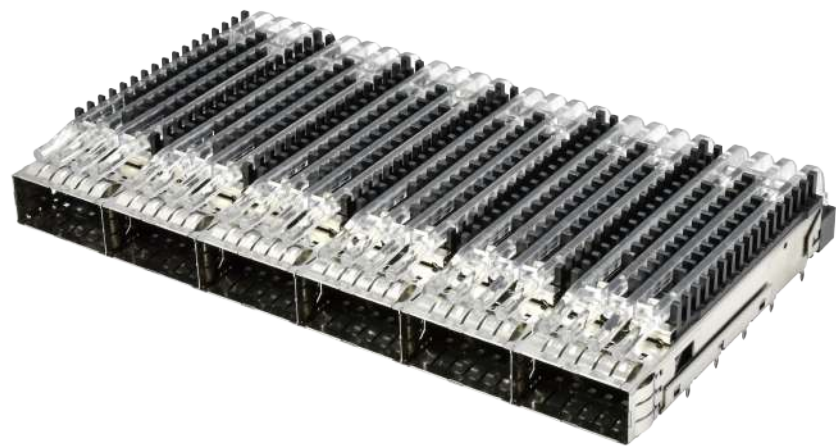
Photo	Port No.	Type	Part No.
 <p>2X1</p> <p>2X2, EMI Spring</p> <p>2X4</p> <p>2X6</p> <p>2X8</p>	2X1	PressFit	5912701XXXX
	2X2		5912704XXXX
	2X4		5912708XXXX
	2X6		5912709XXXX
	2X8		5912710XXXX

SFP 28 Assembly

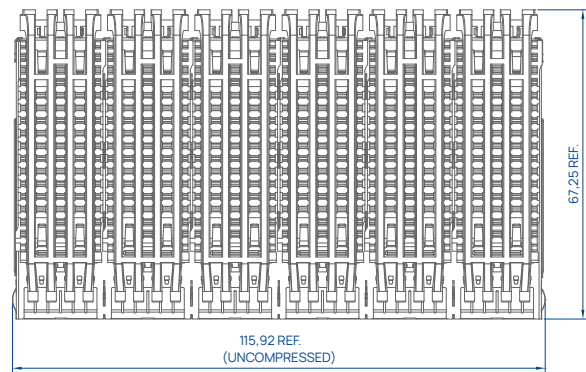
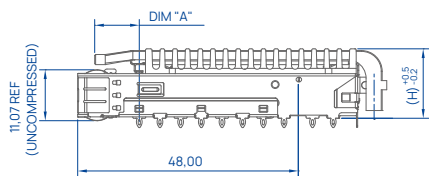
Photo	Port No.	Type	Part No.
 <p>2X2, EMI Spring</p> <p>2X4, EMI Spring</p> <p>2X6, EMI Spring</p>	2X1	PressFit	5912801XXXX
	2X2		5912802XXXX
	2X4		5912803XXXX
	2X6		5912804XXXX
	2X8		5912805XXXX



QSFP+ 28G Cage




P/N: 902GEA6PXAC6XXA0
LIGHT PIPE OPTION
NUMBER OF REAR LEGS PER PORT
HEATSINK




Specification

Part No.	5925207XXXX
Material	
Cage Up	Stainless Steel, 0.25 Thickness
Cage Down	Stainless Steel, 0.25 Thickness
Partition	Stainless Steel
Emi Fingers	Stainless Steel
Heatsink	Aluminum
Heatsink Clip	Stainless Steel
Light Pipe Materia	Clear Polycarbonate
Finish	
Body Cage	Cleaning
Emi Spring Finish	Cleaning and Hole Sealing
Heatsink Finish	Black Anodized
Heatsink Clip Finish	Cleaning
Mate with QSFP MSA Compatible Transceiver.	
Inside Surface of Casket when Fully Compressed.	


QSFP+ Cage

Photo	Port No.	Type	Part No.
 PCI Heat Sink	1X1	PressFit	5925101XXXX
 SAN Heat Sink, Single Light Pipe, Bezel	1X2		5925102XXXX
 Networking Heat Sink, Bezel	1X3		5925103XXXX
 Networking Heat Sink, Single Light Pipe, Bezel	1X4		5925104XXXX
	1X6		5925105XXXX

QSFP+ 28 Cage

Photo	Port no.	Type	Part No.
 Quad Light Pipe, PCI Heat Sink	1X1	PressFit	5925203XXXX
	1X2		5925204XXXX
	1X3		5925205XXXX
	1X4		5925206XXXX
	1X6		5925207XXXX

QSFP DD Cage

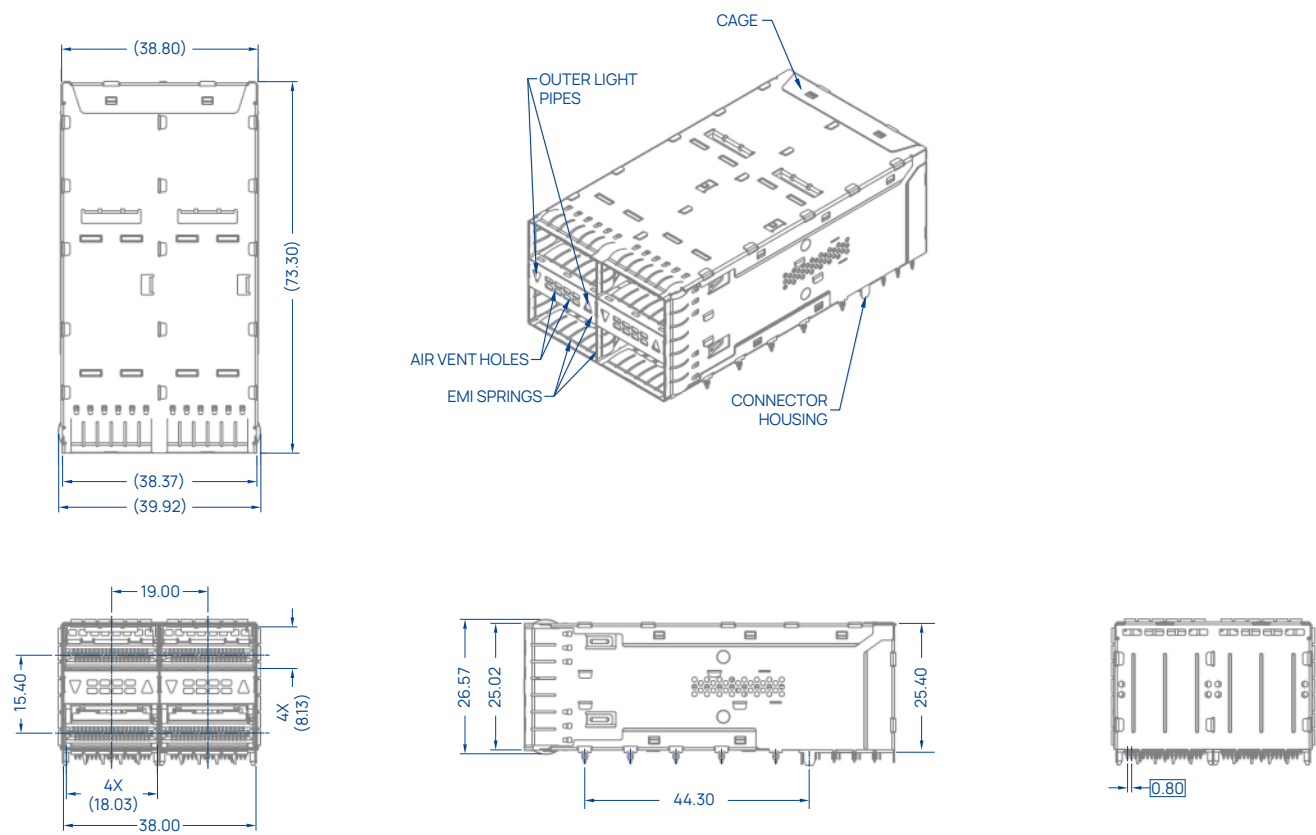
Photo	Port no.	Type	Part No.
<div><p>Heatsink & Light Pipes</p></div>	1X1	PressFit	5925302XXXX

QSFP+ 28G Assembly



Specification

Part No.	5922702XXXX
Material	
Cage	Stainless Steel.
EMI Springs	Stainless Steel.
Elastomeric Gasket	Conductive Foam.
Connector Housing	High Temperature Thermoplastic, UI94v-0,Color : Black.
Contact	Copper Alloy.
Light Pipe	Polycarbonate, Clear.
Finish	
Contact	Gold Plated on Contact Area; Matte Tin Plated on Tail Area.
This Part Meets The Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) Directive (2011/65/Eu).	



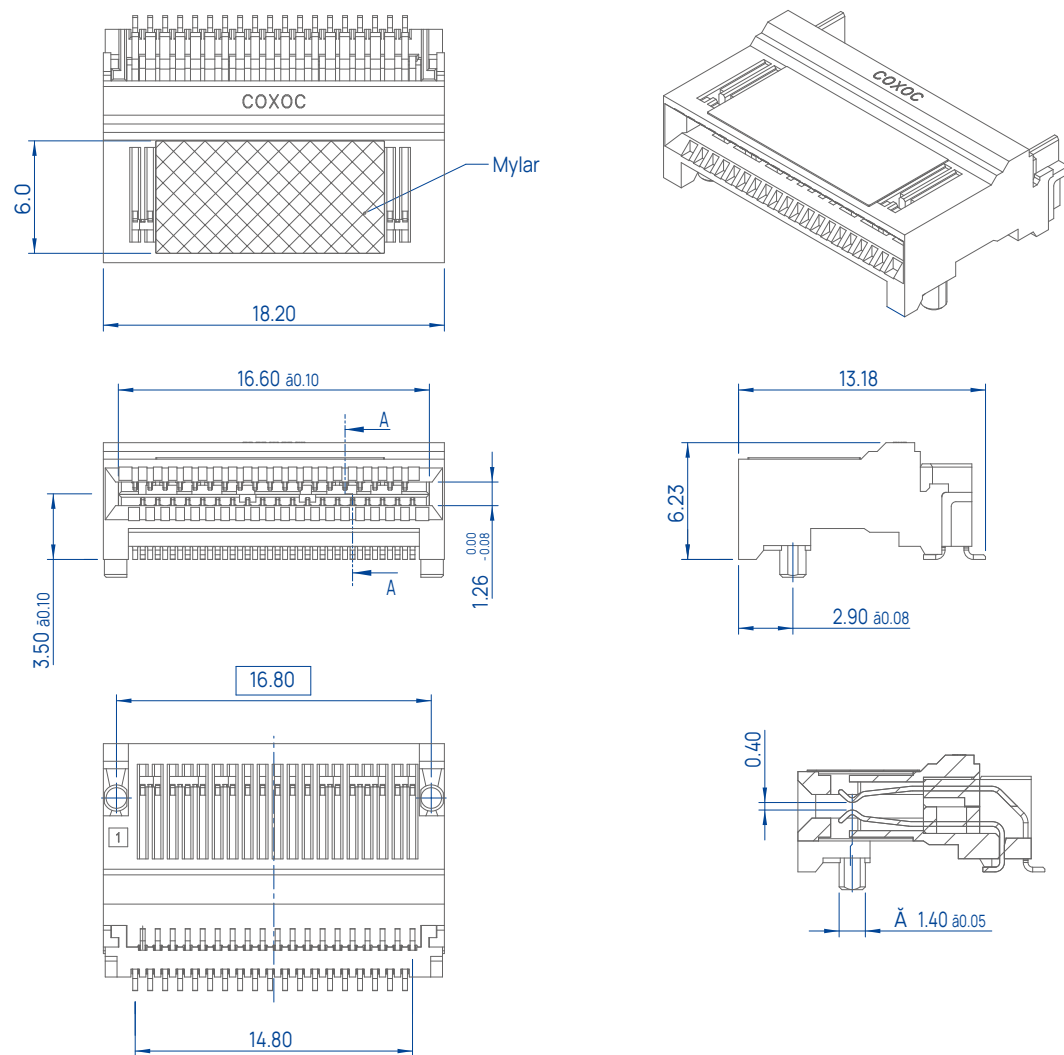
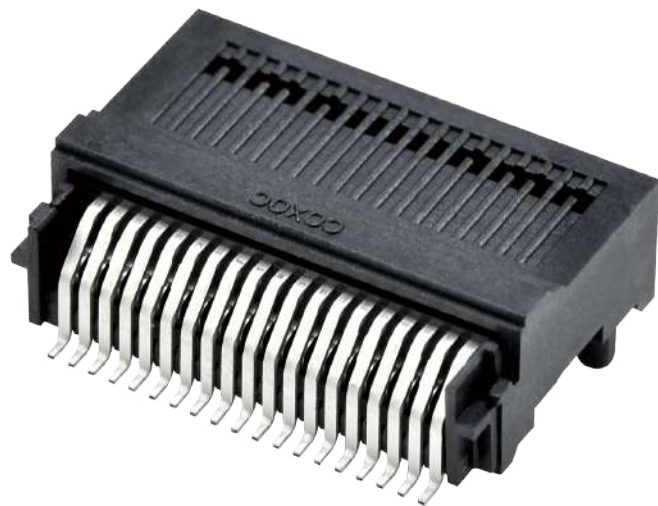
QSFP+ Assembly

Photo	Port No.	Type	Part No.
 2X2, Light Pipe	2X1	PressFit	5922601XXXX
	2X2		5922602XXXX
	2X3		5922603XXXX

QSFP+ 28 Assembly

Photo	Port No.	Type	Part No.
 2X2, Light Pipe	2X1	PressFit	5922701XXXX
	2X2		5922702XXXX
	2X3		5922703XXXX

QSFP+28G Connector



Specification

Part No.	5920201XXXX
Material	
Insulator	Thermoplastic, Rated UI94v-0
Contact	Copper Alloy.
Cover	Thermoplastic, Rated UI94v-0
Contact Plating	
Under Plate	50u" ~ 100u" Nickel
Contact Area	Selective Gold
Solder Tails Area	100u" ~ 200u" Tin (Lead Free)
Electrical	
Current Rating	0.5 A Per Contact
Rated Voltage	30 VDC Per Contact
Insulation Resistance	1000 Megahms Minimum
Dielectric Withstanding Voltage	300 VDC for 1 Minute
Storage Temperature	-20°C to +85°C

SFP / QSFP Connector

Product List	Description	Part No.
	SFP+ Connector Positions: 20	5910301XXXX
	SFP + 28G Connector Positions: 20	5910401XXXX
	QSFP + 28G Connector Positions: 38	5920201XXXX
	QSFP DD Connector Positions: 76	5920301XXXX





OSFP

SFP Application

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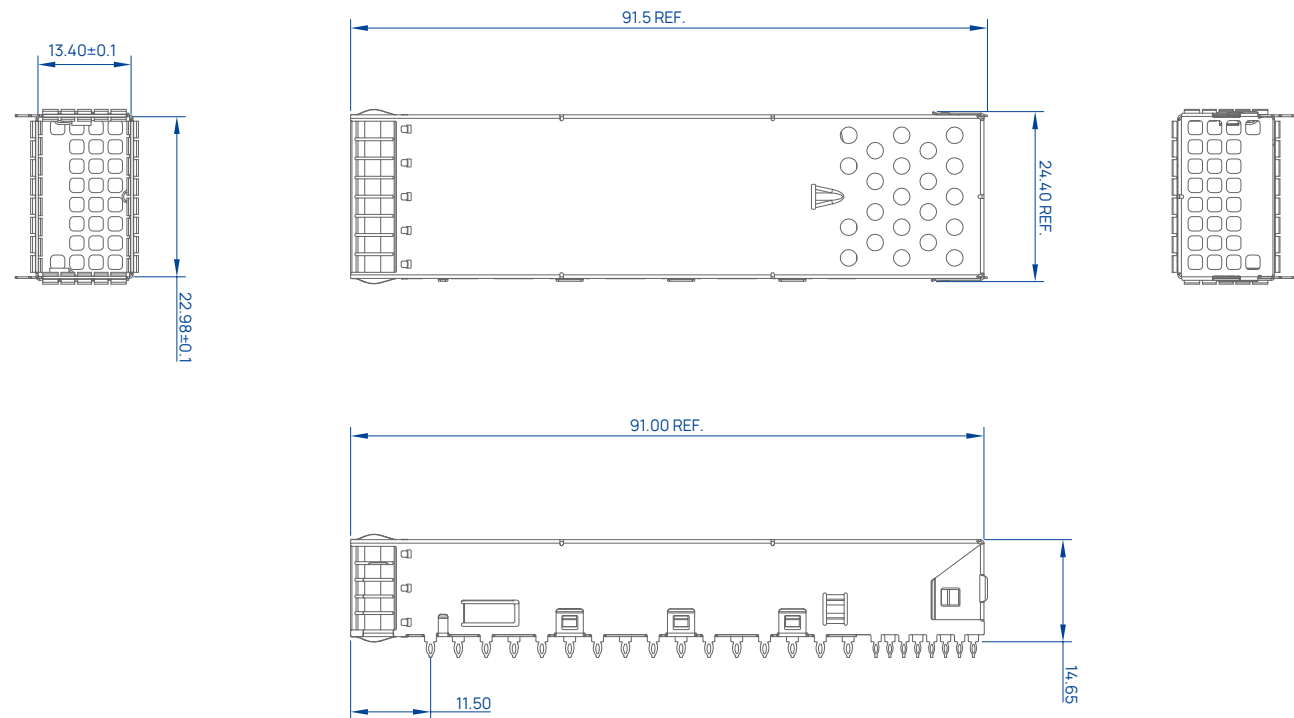
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- QSFP types- 4 Gbit/s QSFP, 40 Gbit/s QSFP+, 100 Gbit/s QSFP28.


OSFP Cage Assembly



Specification

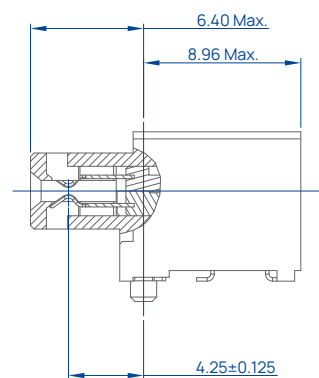
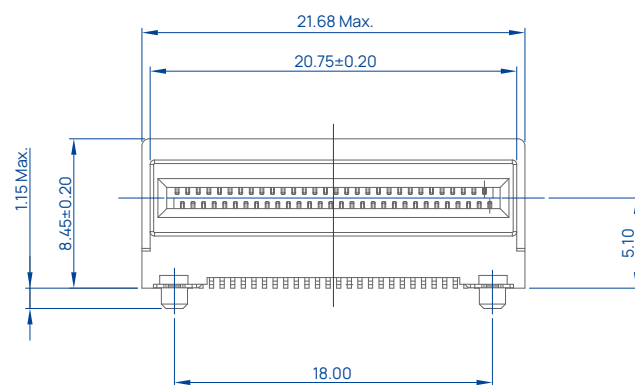
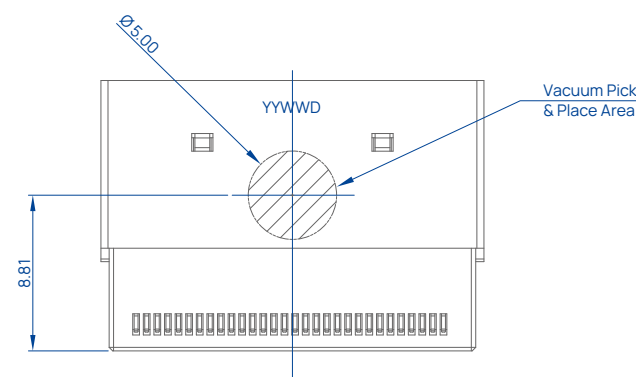
Part No.	5915701XXXX
Material	
Cage	Stainless Steel,0.25mm Thickness.
EMI Springs	Option 1 : Stainless Steel,0.06mm Thickness. Option 2 : Beryllium Copper,0.06mm Thickness.
Finish	
Cage	Cleaning.
Solder Tail Area	1.Cleaning,Stainless Steel. 2.Nickel plated,Beryllium Copper.
Mate With OSFP MSA Compatible Transceiver.	
Reference Documents	OSFP MSA Specific for OSFP Octal Small Form Factor Pluggable Module.
This Products Comply to RoHS Directive 2011/65/Eu.	

OSFP Cage Assembly

Photo	Port No.	Type	Part No.
 1X2, Light Pipe	1X1	PressFit	5915701XXXX
	1X2		5915702XXXX
	1X4		5915703XXXX




OSFP Connector



Specification

Part No.	5910101XXXX
Positions	60
Material	
Housing	High Temp Thermoplastic,UI94 V-0,Black
Contact	Copper Alloy.
Solder Tab	Copper Alloy
Finish	
Contact	Contact Area See P/N Description 50u" Min. Nickel Underplate All Over.
Solder Tab	50u" Min.Nickel Underplate All Over 100u" Min.Tin All Over.
This Part Meets The Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) Directive 2011/65/Eu.	

OSFP Cage Assembly

Product List	Description	Part No.
	OSFP Connector Positions: 60	5910101XXXX





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