



CHANT SINCERE CO., LTD.



Telecom

- ▾ Slimline
- ▾ OCulink
- ▾ Mini-SAS HD



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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.

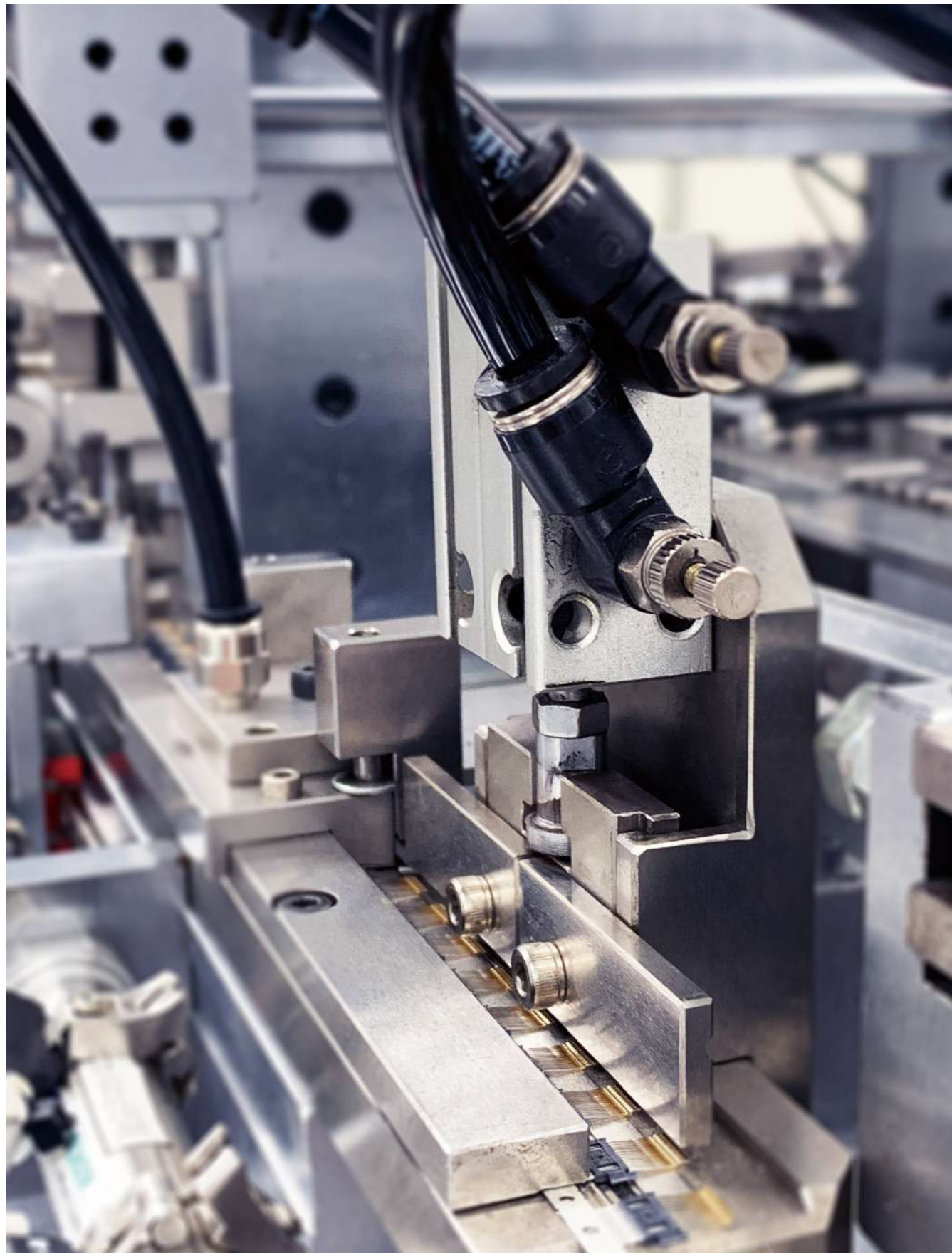
The connector and cable products are widely used in many different applications, such as Computing, Industrial & Automation, Telecommunication, Automotive, Waterproof, Consumer and Medical Industry.

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.



Slimline

Slimline Application

Slimline is an upgraded interface from Mini-SAS. With downsized form factor can save more space for new storage equipment which has dimension limit to cover more storage units.

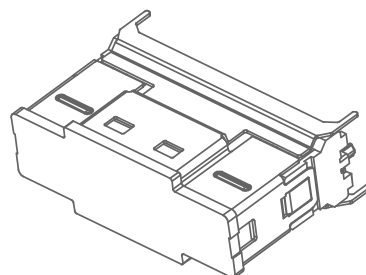
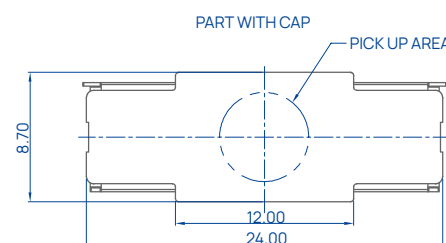
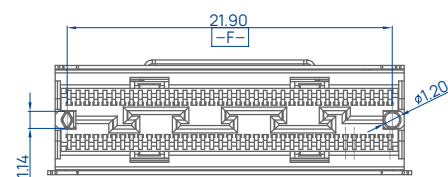
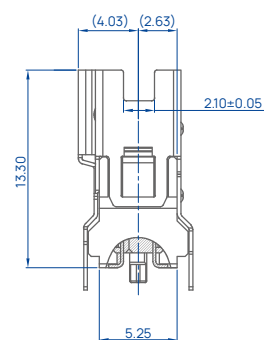
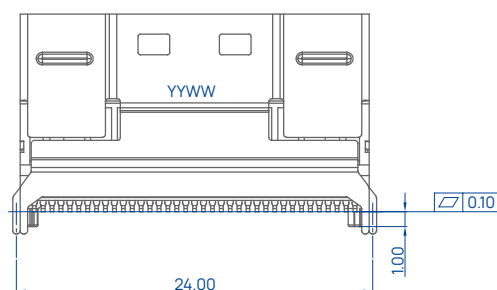
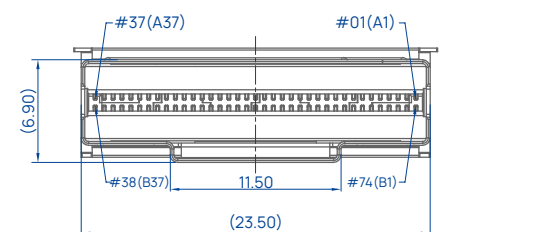
Application

- Server
- Switch
- Storage

Product Characteristics

- Small and thin form factor
- Pitch 0.6mm and 4x, 6x, 8x, 12x options
- Being able to use in internal and external application
- Meet SAS 4.0(24Gbps)

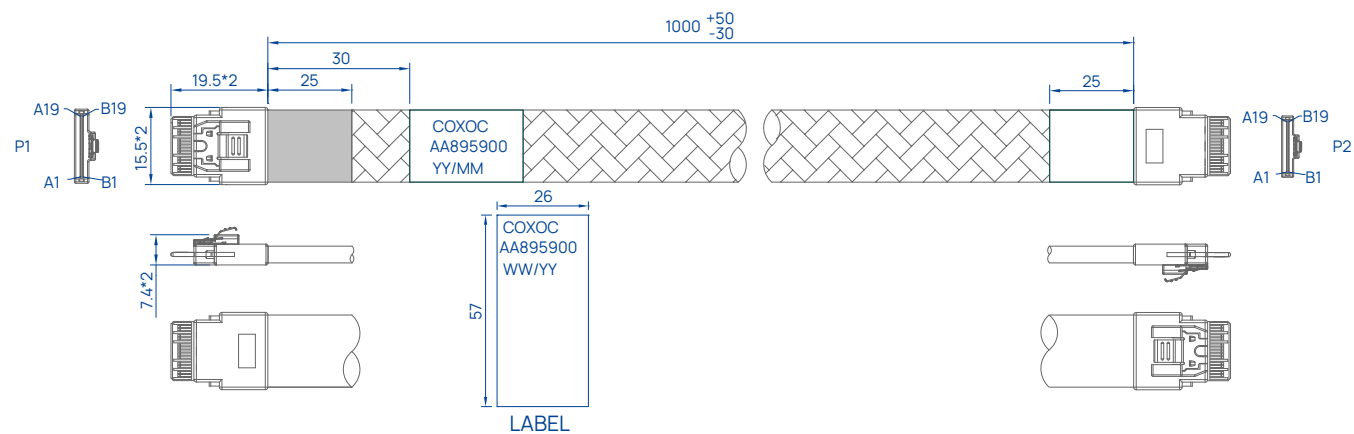
Slimline 8i Vertical Connector



Specification

Part No.	5511101XXXX
Material	
Contact	15µin Min Hard Gold Plated Contact Pads
Cable Overmold	Thermoplastic Resin UL94V-1
Latch	Stainless Steel
Raw Cable	Tinned Copper Conductor 32 AWG
	Propylene Polymers Dielectric
	Tinned Copper Drain Wire
	Polyester Tape Jacket
Electrical / Mechanical	
Impedance	85 Ω, Optional 100 Ω
Data Rate	24Gbps Per Channel
Within Pair Skew	Max. 10 ps/m
Rated Voltage	30 V
Rated Current	0.5 A Per Pin
Durability	50 Mating Cycles
Mating Force	Connector with Latch Feature Disabled:31 N Max.
Un-Mating Force	Connector with Latch Feature Disabled:24 N Max.
Environmental	
Storage Temperature	-20°C to 80°C
Operating Temperature	0°C to 80°C
Flammability Rating	VW-1
Safety Certificates	RoHS Compliant

Slimline 4i STR to 4i STR Cable

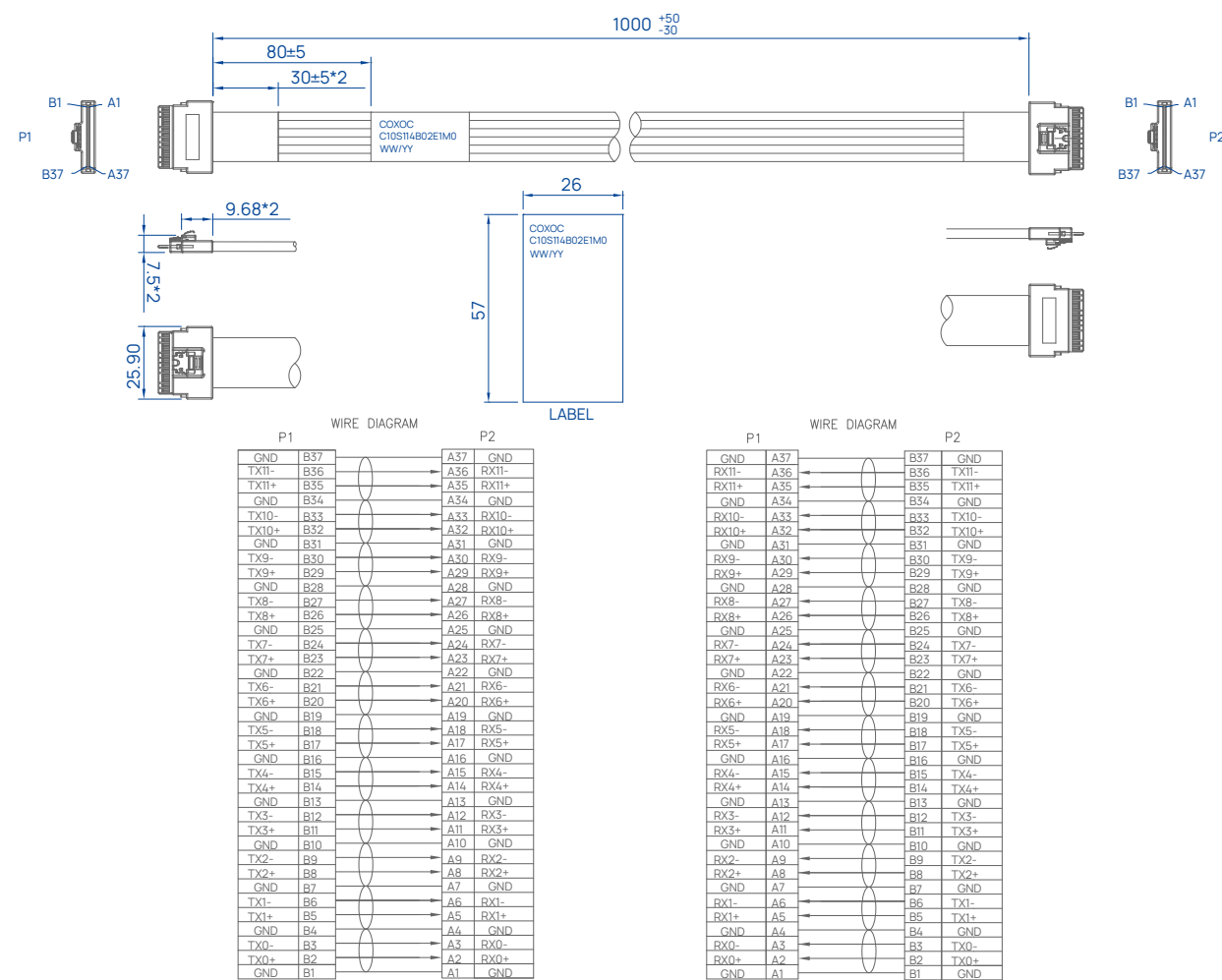


P1		P2		P1		P2	
GND	B19	A19	GND	GND	A19	B19	GND
TX3-	B18	A18	RX3-	RX3-	A18	B18	TX3-
TX3+	B17	A17	RX3+	RX3+	A17	B17	TX3+
GND	B16	A16	GND	GND	A16	B16	GND
TX2-	B15	A15	RX2-	RX2-	A15	B15	TX2-
TX2+	B14	A14	RX2+	RX2+	A14	B14	TX2+
GND	B13	A13	GND	GND	A13	B13	GND
SB 6A	B12	A12	SB 6A	SB 5A	A12	B12	SB 5A
SB 2A	B11	A11	SB 2A	SB 4A	A11	B11	SB 4A
SB 8A	B10	A10	SB 8A	SB 9A	A10	B10	SB 9A
SB 1A	B9	A9	SB 1A	SB 3A	A9	B9	SB 3A
SB 0A	B8	A8	SB 0A	SB 7A	A8	B8	SB 7A
GND	B7	A7	GND	GND	A7	B7	GND
TX1-	B6	A6	RX1-	RX1-	A6	B6	TX1-
TX1+	B5	A5	RX1+	RX1+	A5	B5	TX1+
GND	B4	A4	GND	GND	A4	B4	GND
TX0-	B3	A3	RX0-	RX0-	A3	B3	TX0-
TX0+	B2	A2	RX0+	RX0+	A2	B2	TX0+
GND	B1	A1	GND	GND	A1	B1	GND

Specification

Part No.	1510102XXXX
Material	
Contact	15µin Min Hard Gold Plated Contact
Cable Overmold	Thermoplastic Resin UL94V-1
Latch	Stainless Steel
Raw Cable	Tinned Copper Conductor 32 AWG
	Propylene Polymers Dielectric
	Tinned Copper Drain Wire
	Polyester Tape Jacket
Electrical / Mechanical	
Impedance	85 Ω, Optional 100 Ω
Data Rate	24Gbps Per Channel
Within Pair Skew	Max. 10 ps/m
Rated Voltage	30 V
Rated Current	0.5 A Per Pin
Durability	50 Mating Cycles
Mating Force	Connector with Latch Feature Disabled:21 N Max.
Un-Mating Force	Connector with Latch Feature Disabled:18 N Max.
Environmental	
Storage Temperature	-20°C to 80°C
Operating Temperature	0°C to 80°C
Flammability Rating	VW-1
Safety Certificates	RoHS Compliant




Slimline 8i STR to 8i STR Cable



Specification

Part No.	1510103XXXX
Material	
Contact	15µin Min Hard Gold Plated Contact Pads
Cable Overmold	Thermoplastic Resin UL94V-1
Latch	Stainless Steel
Raw Cable	Tinned Copper Conductor 32 AWG
	Propylene Polymers Dielectric
	Tinned Copper Drain Wire
	Polyester Tape Jacket
Electrical / Mechanical	
Impedance	85 Ω, Optional 100 Ω
Data Rate	24Gbps Per Channel
Within Pair Skew	Max. 10 ps/m
Rated Voltage	30 V
Rated Current	0.5 A Per Pin
Durability	50 Mating Cycles
Mating Force	Connector with Latch Feature Disabled:31 N Max.
Un-Mating Force	Connector with Latch Feature Disabled:24 N Max.
Environmental	
Storage Temperature	-20°C to 80°C
Operating Temperature	0°C to 80°C
Flammability Rating	VW-1
Safety Certificates	RoHS Compliant

SlimSAS

SlimSAS Product List		
	4i	8i
Straight		
Right Angle		

SlimSAS Low Profile

SlimSAS Low Profile Product List			
	4i	8i	16i
Straight			
Right Angle			
Right Side			
Left Side			



Oculink

Oculink Application

Based on PCI-SIG, Oculink can transmit multitude protocol in different storage applications. It also has small form factor suitable for future design with higher port density.

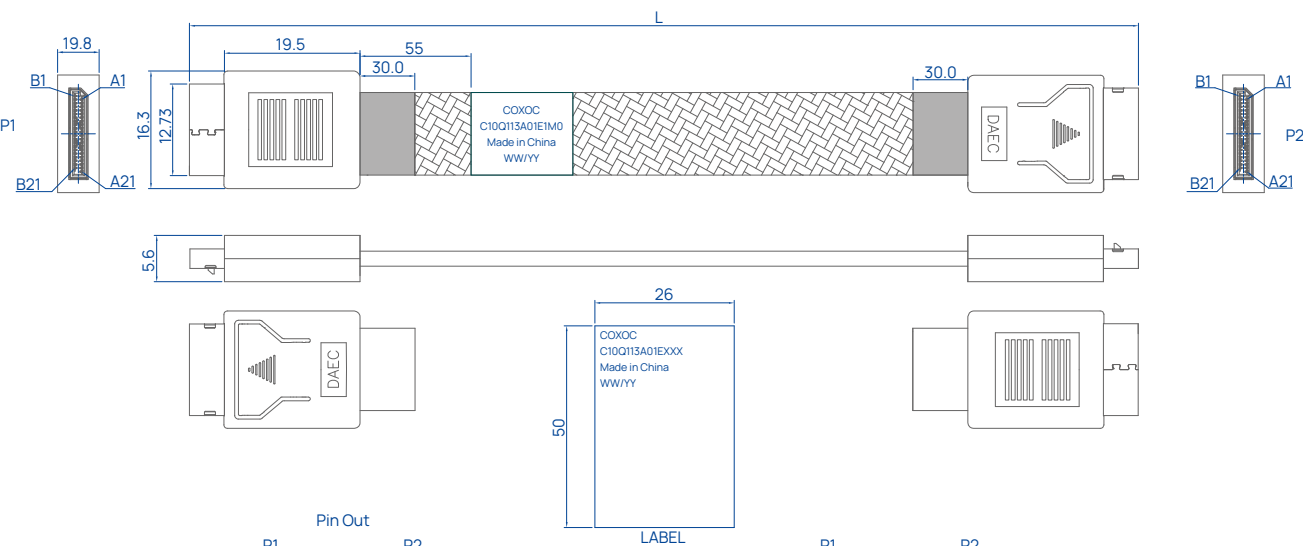
Application

- Server
- Switch
- Storage

Product Characteristics

- Meet PCIe Gen 4(16GTbps), SAS 4.0(24Gbps), SATA
- Pitch 0.5mm
- Internal and External Solution
- locking function with latch

OCulink 4i STR to 4i STR Cable



Specification

Part No.	1512101XXXX
Material	
Contact	30µin Min Hard Gold Plated Contact Pads
Cable Overmold	Thermoplastic Resin UL94V-0
Latch	Stainless Steel
Raw Cable	Tinned Copper Conductor 32 AWG
	Propylene Polymers Dielectric
	Tinned Copper Drain Wire
	Polyester Tape Jacket
Electrical / Mechanical	
Impedance	85 Ω, Optional 100 Ω
Data Rate	24Gbps Per Channel
Within Pair Skew	Max. 10 ps/m
Rated Voltage	30 V
Rated Current	0.5 A Per Pin
Durability	250 Mating Cycles
Mating Force	Connector w/Active Latch : 8 ~ 40 N
Un-Mating Force	Connector w/Passive Latch : 10 ~ 40 N
	8 ~ 25 N
Environmental	
Storage Temperature	-20°C to 80°C
Operating Temperature	0°C to 80°C
Flammability Rating	VW-1
Safety Certificates	RoHS Compliant

OCulink Series

Product List	Description	Part No.
	OCulink to OCulink 4i STR Cable 30C, 35C, 43C, 70C, 91C, 1M0	1512101XXXX
	OCulink 4i R/A to OCulink 4i STR Cable 55cm	1512201XXXX
	OCulink 4i STR to Mini-SAS HD 8i Cable 70cm	1512301XXXX
	OCulink 4i STR to SlimSAS 4i STR Cable 175mm	1512401XXXX





Mini-SAS HD

Mini-SAS HD Application

Mini-SAS HD is new interface for storage application and it can take 6/12/14Gbps bandwidth. The efficiency is better than SAS 2.1 and 3.0. For connector side, it has 4x, 8x, 16x and for cable side, it has 4x and 8x.

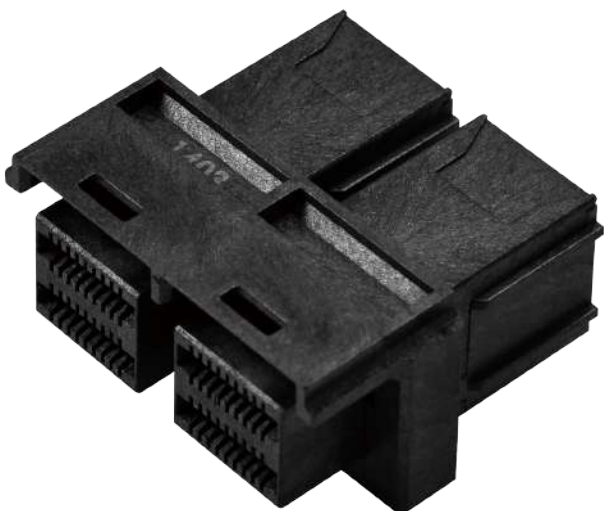
Application

- Server
- Switch
- Storage
- RAID System

Product Characteristics

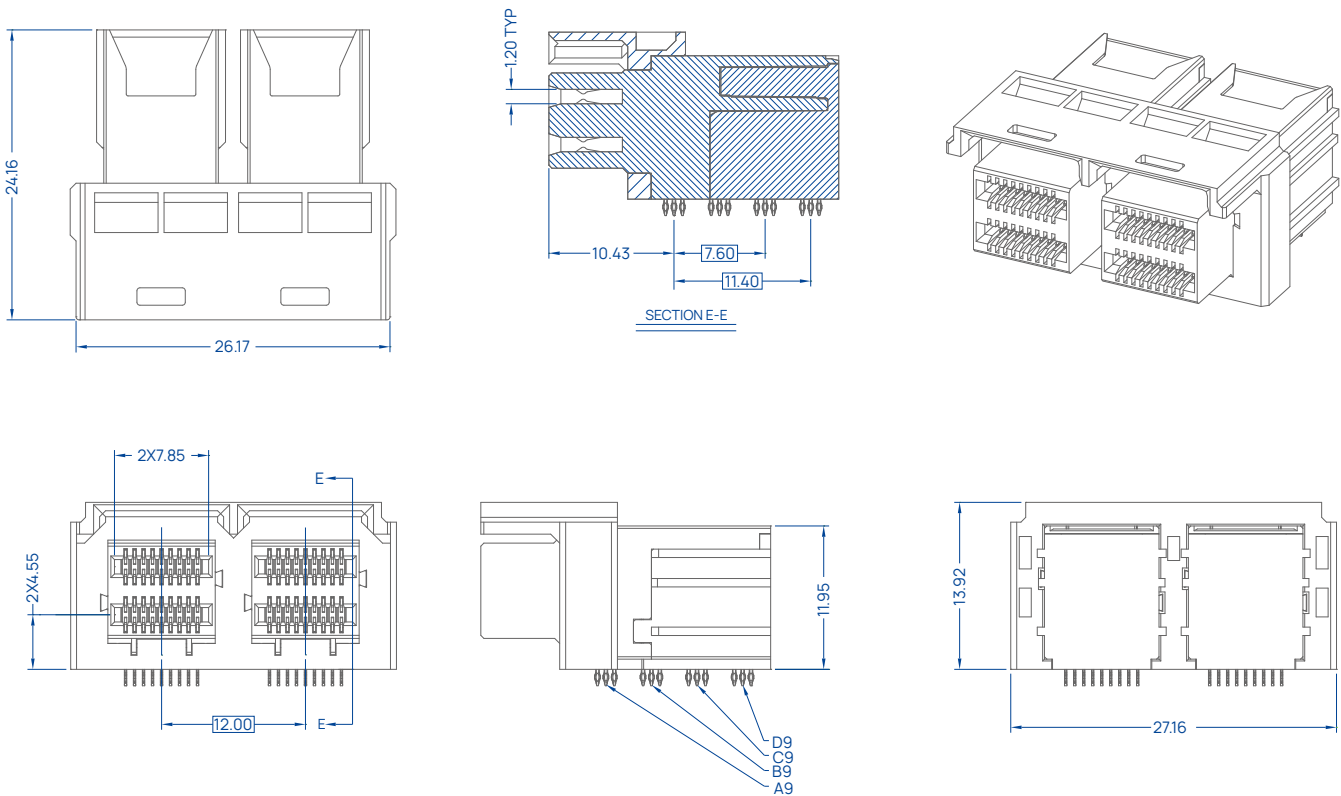
- Internal and external solution
- Same form factor for 6Gbps and 12Gbps
- Meet SAS 2.1 and 3.0
- Compatible with mini SAS

Mini-SAS HD Receptacle R/A Connector



Specification

Part No.	55121010010
Material	
Contact	15µin Min Hard Gold Plated Contact Pads
Connector Housing	Thermoplastic Resin UL94V-0
Active Latch	Stainless Steel
Raw Cable	Tinned Copper Conductor 30 AWG
	Propylene Polymers Dielectric
	Tinned Copper Drain Wire
	Polyester Tape Jacket
Electrical / Mechanical	
Impedance	85 Ω, Optional 100 Ω
Data Rate	12Gbps Per Channel
Within Pair Skew	Max. 10 ps/m
Rated Voltage	30 V
Rated Current	0.5 A Per Pin
Durability	50 Mating Cycles
Mating Force	150 N Maximum
Un-Mating Force	250 N Maximum
Wrenching Test	Max 10 N for Each Axis Direction
Environmental	
Storage Temperature	-20°C to 80°C
Operating Temperature	0°C to 80°C
Flammability Rating	VW-1
Safety Certificates	RoHS Compliant

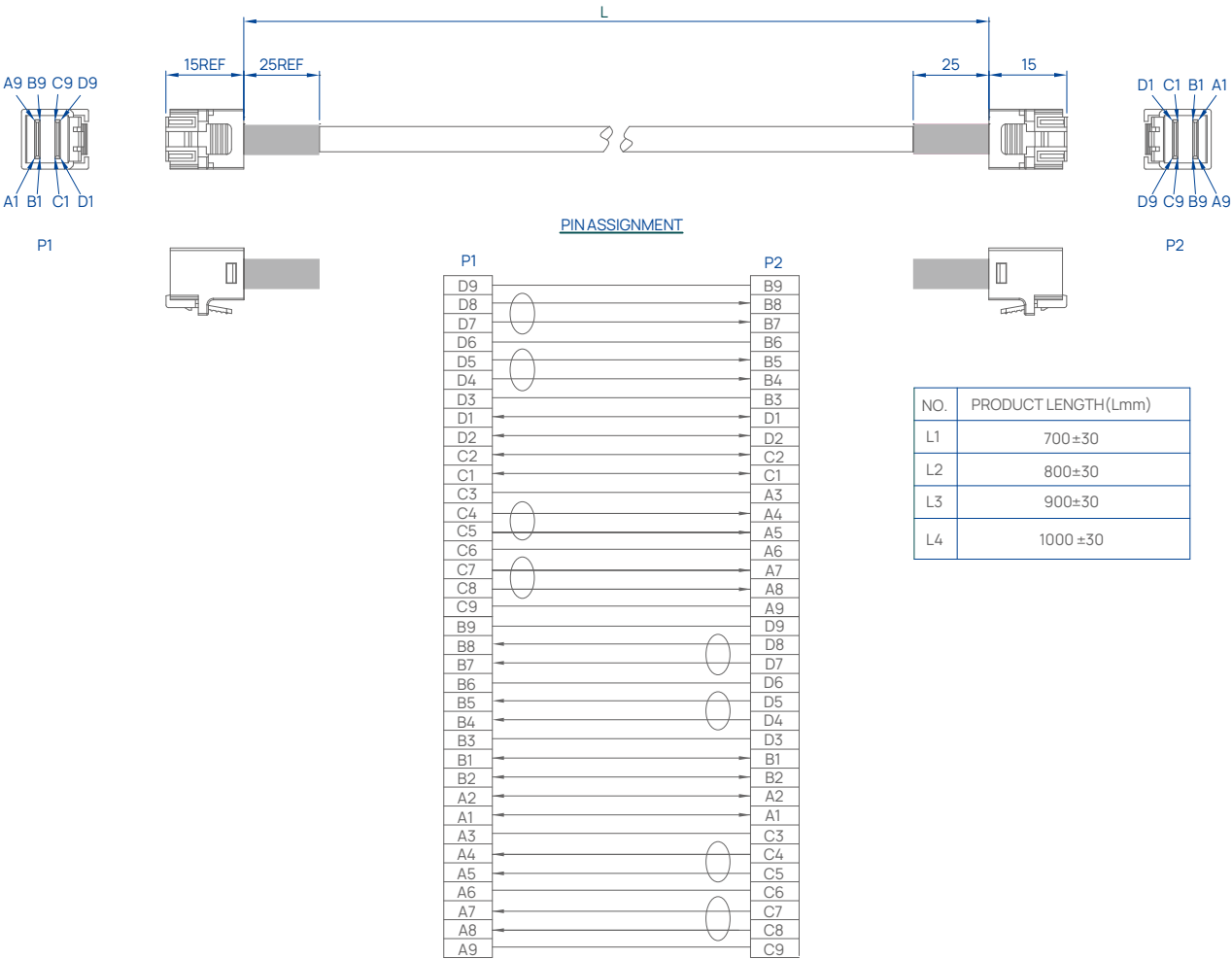


Mini-SAS HD 4i STR to 4i STR Cable



Specification

Part No.	1511105XXXX
Material	
Contact	15µin Min Hard Gold Plated Contact Pads
Connector Housing	Thermoplastic Resin UL94V-0
Active Latch	Stainless Steel
Raw Cable	Tinned Copper Conductor 30 AWG
	Propylene Polymers Dielectric
	Tinned Copper Drain Wire
	Polyester Tape Jacket
Electrical / Mechanical	
Impedance	85 Ω, Optional 100 Ω
Data Rate	12Gbps Per Channel
Within Pair Skew	Max. 10 ps/m
Rated Voltage	30 V
Rated Current	0.5 A Per Pin
Durability	250 Mating Cycles
Mating Force	150 N Maximum
Un-Mating Force	250 N Maximum
Environmental	
Storage Temperature	-20°C to 80°C
Operating Temperature	0°C to 80°C
Flammability Rating	VW-1
Safety Certificates	RoHS Compliant



Mini-SAS HD Series

Product List	Description	Part No.
	Mini-SAS HD to Mini-SAS HD 4i STR Cable	151106XXXX
	Mini-SAS HD 4i STR to 4i R/A Cable	1511001XXXX
	Mini-SAS HD 8i STR to 4i STR Cable	151107XXXX
	External Mini-SAS HD 4i STR to 4i STR Cable	1511080010





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