

詮欣股份有限公司 CHANT SINCERE CO., LTD.





Contents

About Chant Sincere	P. I
Quality System	P.3
Competencies & Technology	P.5
M12 Series	P.7
M12 X-Code Female Panel	
M12 X-Code to RJ45 Cable	
M8 Series	P.17
M8 A-Code 4Pin Panel Mount Connecto	or



■ Chant Sincere Co.,Ltd. was set up in 1985., With the management concept of "Honest, Innovative, Quality, Longterm" 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.

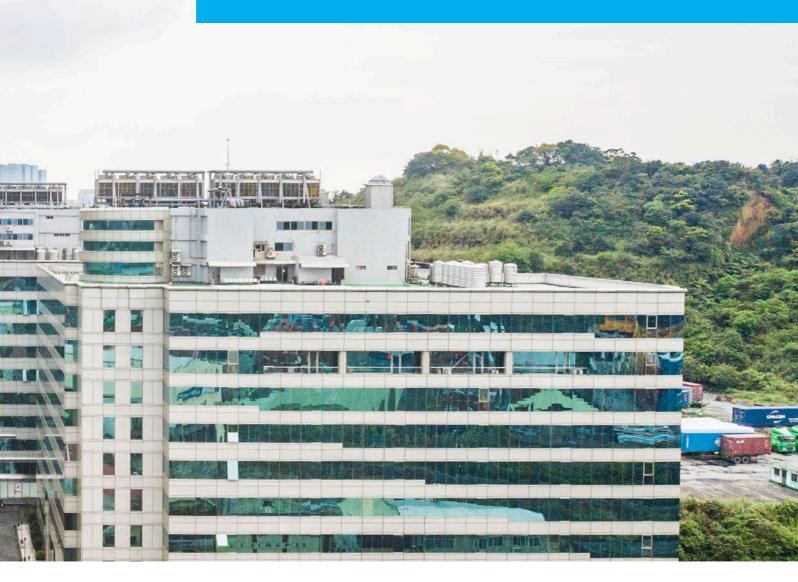
Chant Sincere Co.,Ltd. Has been constructing various of product families to provide a total solution to customers.

The connector and cable products are widely used in many different application, 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 and cable (USB3.1), Audio & Vidio connector and cable (HDMI, Display Port)...etc.

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

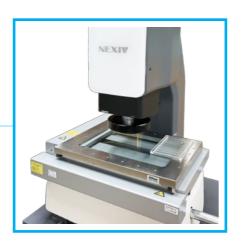


The Core Competence of Chant Sincere Co.,Ltd. including.

- Over 34 Years Manufacture Experience
- ODM/OEM Capability
- Vertical Integration (Design, Tooling, Manufacturing, Test)
- Automation Capability
- Precise Tooling Center
- Wide Range of Product Line
- Systematic Testing Process
- Customized Capability
- Quality System (ISO,IATF)
- National Awards Rising Sun Awards/Best Supplier Awards











Quality systems

COXOC 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 COXOC 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, COXOC integrated supply chain and devoted staff has enabled us to build a solid foundation and core capability to better serve our customers. It is COXOC principal to always meet and exceed customer expectation by providing superior products and services. COXOC ultimate goal is to create value for our customers by building collaborative and mutually beneficial relationships.

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 connectors 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 Gbits/s, 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 various 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 transmit data at 400Gbps speed. At this speed, stringent requirement for signal integrity and operating temperature is inviable 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.



CHANT SINCERE CO., LTD.





M12



MI2 Application

M8/M12 Connector System fills the needs for sensor connection in industrial machinery and factory automation. The M8/M12 standard is also ideal for applications outside of the traditional industries where a compact, reliable connection system with environmental protection is required. The M8/M12 connector system provides a future-proof interface that supports higher-bandwidth needs, meeting the requirements of up to 10GB/s.

Application

- Industrial machinery
- Factory automation
- I/O boxes
- Sensors
- Switches

Product Characteristics

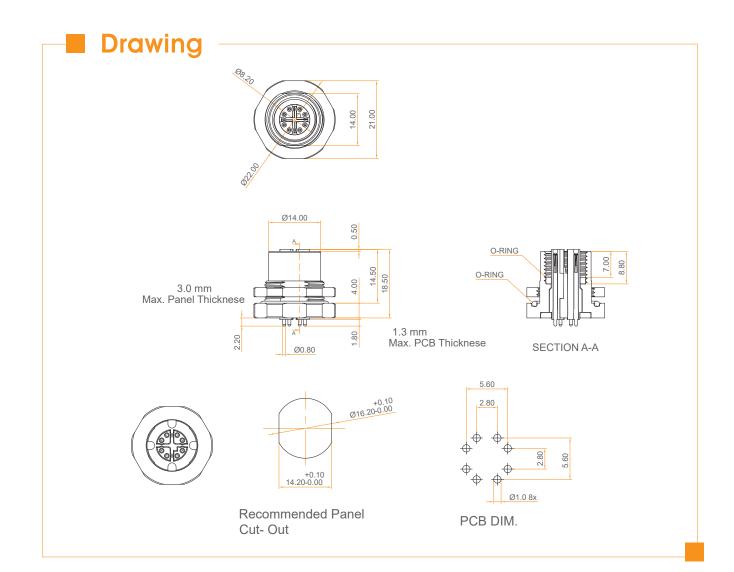
- Compact and reliable environmentally protected connection
- Signal and terminated cable assemblies of over-molded construction
- Supports higher-bandwidth needs up to 10GB/s

M12 X-Code Female Panel













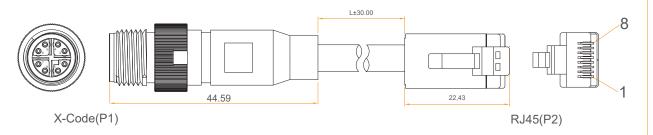
Specification

	Description	M12 X-Code Panel Female Connector		
	Part no.	649EE08FDDD2NEA3		
	Insulator	Thermosetting polymer		
Material	Contact	Copper Alloy		
	Metal Part	Copper Alloy		
Contact Plating	Underplate	50u"~200u" Nickel		
Contact Hatting	Contact Area	30u" Selective Gold		
	Operation Voltage	48V AC(RMS)		
	Current Rating	0.5 Amps max.		
	Contact Resistance	5m Ohms max.		
Electrical	Insulation Resistance	100M Ohm min @ 500 VDC		
	Dielectric Withstanding Voltage	500 VAC/ minutes		
	Temperature Range	-40°C TO +70°C		

■ M12 X-Code to RJ45 Cable



Drawing



WIRING DIAGRAM

,	X-Code	e(P1)	R	J45	(P2)
	1		_	1	WHITE/ORANGE
PAIR	2		_	2	WHITE/ORANGE ORANGE
DAID	_ 3		_	3	WHIITE/GREEN GREEN
PAIR	4		_	6	GREEN
DAID	_ 5		_	7	WHITE/BROWN BROWN
PAIR	6		_	8	BROWN
DAID	₋ 7		_	5	WHITE/BLUE BLUE
FAIR	8		_	4	BLUE
	SHELL		_	SH	lELL .





Specification

	Description	M12 X-Code to RJ45 Cable		
	Part no.	CW0608EADB01EXMX		
	Connector	M12 X-Code Male Connector Contact Gold Plate 30u" over 50~220u" Nickel		
Part Description	Connector	RJ45 Cat 6A Male Connector Contact Gold Plate 50u"		
	Cable	10G Cat 6A 26 AWG 4 Pairs		
	Shielded	FTP Aluminium/ Polyester 4 Pairs		
	Jacket	Material PVC		
	Rated Current	0.5 Amps		
Electrical	Rated Voltage	50 V AC		
2.553	Insulation Resistance	> 100MQ		
	Degree of Protection	IP67		
	Operation temp.	- 25°C∼ 85°C		

M12 Connector

Application type	Contact type	Gender	Pin count	A-code	D-code	Part no.	
Cable end(ass'y)		Male	4	V	V	(40 A F) () (A (T F) A N (A 2	
			5	V	V	649AFXXMSTD1NXA3	
	Solder		4	V	V		
		Female	5	V	V	649AFXXFSTD1NXA3	
			8	V		649AE08FSSD1NAA3	
Panel Mount Male(M16 Thread)			4	V	V		
	Solder	Male	5	V	V	649AEXXMSSD3NXA3	
			8	V		649AE08MSSD3NAA3	
Panel Mount Male(PG9)			4	V	V		
	Solder	Male	5	V	V	649AEXXMSSD4NXA3	
			8	V		649AE08MSSD4NAA3	
Panel Mount Male(Through)	Solder		4	V	V		
		Solder	Male	5	V	V	649AEXXMSSD2NXA3
			8	V		649AE08MSSD2NAA3	
			2	V		649AE02FSSD2NXA3	
Panel Mount Female			3	V		649AE03FSSD2NXA3	
•			4	V	V	649AE04FSSD2NXA3	
			5	V	V	649AE05FSSD2NXA3	
			6	V		649AE06FSSD2NXA3	
	Solder	Female	7	V		649AE07FSSD2NXA3	
			8	V		649AE08FSSD2NXA3	
			9	V		649AE09FSSD2NXA3	
			10	V		649AE10FSSD2NXA3	
			11	V		649AETTFSSD2NXA3	
			12	V		649AE12FSSD2NXA3	

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Application type	Contact type	Gender	Pin count	A-code	D-code	Part no.
Sheild Type			4	V	\	649AE04MSND5NXA3
	Solder	Male	5	V	V	649AE05MSND5NXA3
			8	V		649AE08MSND5NAA3

Application type	Contact type	Gender	Pin count	X-code	Part no.
Cable End Connector	Solder/Crimp	Female	8	V	649AE08MDDD1NED3
Panel Female Connector	РСВ	Male	8	V	649EE08FDDD2NEA3
IDC Type Connector	IDC	Male	8	V	649IE08MBTD1NFD3



M12 Cable

Application type	Description	Part no.
D-Code Plug To D-Code Plug Cable	Solder Type, Male, 4Pin, D-Code, I∼2M	CW0504DADB01EXXX
X-Code Plug To X-Code Plug Cable	Crimp Type, Male, 8Pin, X-Code, IM	CW0508EADB01EXMX
X-Code Plug To RJ45 Plug Cable	Crimp Type, Male, 8Pin, X-Code, 1M	CW0608EADB01EXMX
X-Code Plug To X-Code Plug Cable For OD 8.5	Crimp Type, Male, 8Pin, X-Code, 1M	CW0508EADB02EXXX





M8



M8 Application

M8/M12 Connector System fills the needs for sensor connection in industrial machinery and factory automation. The M8/M12 standard is also ideal for applications outside of the traditional industries where a compact, reliable connection system with environmental protection is required. The M8/M12 connector system provides a future-proof interface that supports higher-bandwidth needs, meeting the requirements of up to 10GB/s.

Application

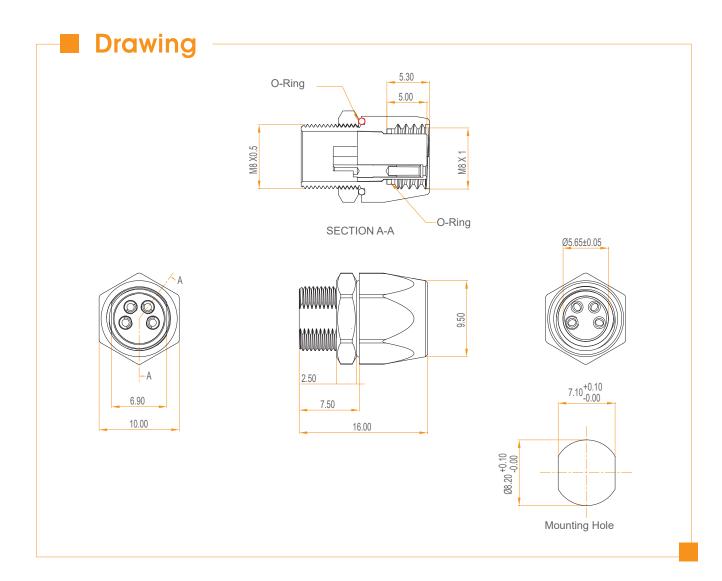
- Industrial machinery
- Factory automation
- I/O boxes
- Sensors
- Switches

Product Characteristics

- Compact and reliable environmentally protected connection
- Signal and terminated cable assemblies of over-molded construction
- Supports higher-bandwidth needs up to 10GB/s

■ M8 A-Code 4Pin Panel Mount Connector









Specification

	Description	M8 A-Code 4Pin Panel Mount Connector		
	Part no.	649AE04FSSE2NAA3		
	Insulator	Thermosetting polymer		
Material	Contact	Brass		
	Shell	Brass		
Contact Plating	Underplate	50u" min Nickel		
Contact Flating	Contact Area	l u" Gold		
	Operation Voltage	50V AC(RMS)		
	Current Rating	3 Amps min.		
	Contact Resistance	0.5m Ohms max.		
Electrical	Insulation Resistance	100M Ohm min @ 500 VDC		
	Dielectric Withstanding Voltage	500 VAC/ minutes		
	Temperature Range	-25°C TO +85°C		
	Operating Degree	IP67		

M8 Connector

Application type	Contact type	Gender	Pin count	A-code	B-code
Panel Mount Connector Part no. 649AE04FSSE2NAA3	Solder	Female	4	V	V
Panel Mount Connector Part no. 649AE05FSSE2NBA3	Solder	Female	5		V
Plug 180 Deg Conn. Part no. 649AE08FSSE I NAA3	Solder	Female	8	V	V
Plug 180 Deg Conn. Part no. 649AE08MSSE1NAA3	Solder	Male	8	V	V







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