

Connector Selection Guide







- Touch Technology(Shenzhen)Co., Ltd. is a manufacturing enterprise integrating development, design, manufacturing and service of precision custom connection solutions. We are engaged in the development, production and sell of connectors. The main products include series of circular push-pull connectors which are widely used in the fields of medical, telecommunication, automotive, military, test and measurement etc. Our products are of high quality which are compatible with foreign counterparts. We offer custom specific designs as well.
- Our company takes the lead in passing the certification of ISO9001 and ISO14001. Sticking to the enterprise spirit of preciseness and sincerity, we seek for products of new technology, high performance and high quality. Not the biggest but the best. We will surpass ourselves continuously, face up challenges and seek for sustainable development.







Please choose your best connection solution according to the four steps as follows:

First Step	Low Voltage (<3KV)	High Voltage (>3KV)	Current (<10A)	Current (>10A)	Coaxial Connector	BP Connector
Second Step Basic configuration requirements	<ul style="list-style-type: none"> ·Diameter of Cable ·Pins ·AWG ·Metal or Plastic ·Contact type (Solder or PCB) 	<ul style="list-style-type: none"> ·Diameter of Cable ·Test Voltage ·Pins ·Grounding requirement ·Contact type (Solder or PCB) 	<ul style="list-style-type: none"> ·AWG ·Diameter of Cable ·Pins ·Metal or Plastic ·Contact type (Solder or PCB) 	<ul style="list-style-type: none"> ·Diameter of Cable ·Test Voltage ·Pins ·Resistance ·Metal or Plastic ·Contact type (Solder or PCB) 	<ul style="list-style-type: none"> ·AWG ·Diameter of Cable ·Resistance ·Max working frequency 	<ul style="list-style-type: none"> ·Fluidic ·Sealed
Third Step Indoor	00, B, S, 2E	S	00, B, S, 2E	B, C, S	00, S	BP01, BP04, BP05, BP07, BP10, BP11, BP15, BP12, BP13, BP31, BP32, BPN.
Plastic	P		P			
Outdoor	K, C, F		K, C, F	K		
Fourth Step Basic configuration requirements	<ul style="list-style-type: none"> ·Keying Pattern ·Max Size (length, diameter) ·Environmental Conditions (Harsh, EMC, Vibration) ·Type of Plug (Straight, Elbow, Fixed...) ·Type of Socket (Free, Fixed, PCB Fixed...) ·Vacuum Sealed 	<ul style="list-style-type: none"> ·Diameter of AWG and Insulating Layer ·Max Size (length, diameter) ·Max Working Voltage ·Type of Plug (Straight) ·Type of Socket (Free, Fixed, PCB Fixed...) ·Vacuum Sealed 	<ul style="list-style-type: none"> ·Max Size (length, diameter) ·Shield Effective ·Type of Plug (Straight, Elbow, Panel Fixed...) ·Type of Socket (Free, Fixed, PCB Fixed...) ·Vacuum Sealed 	<ul style="list-style-type: none"> ·Max Size (length, diameter) ·Shield Effective ·Type of Plug (Straight, Elbow, Panel Fixed...) ·Type of Socket (Free, Fixed, PCB Fixed...) ·Vacuum Sealed 	<ul style="list-style-type: none"> ·Max Size (length, diameter) ·Shield Effective ·Type of Plug (Straight, Elbow, Panel Fixed...) ·Type of Socket (Free, Fixed, PCB Fixed...) ·Vacuum Sealed 	<ul style="list-style-type: none"> ·Sealed Effective ·Diameter of Shell ·Diameter of Inner shell

For Furthur Require, Please Contact Touch Staff.

	B Series		S Series		K Series		2E Series	
								
Description	Standard Multicore self-latching connector, keying system for connector alignment.		Half-moon Insulator (Multicore)		Watertight connector, keying system for connector alignment, Rugged housing for extreme environment.		Short type connector, Half-moon Insulator	
Main Features	<ul style="list-style-type: none"> ·Security of the push-pull self-latching system ·Multicore type with 2 to 26 pins ·Solder or PCB contacts(Straight or elbow) ·High-density installation for space savings ·Multiple key options to avoid cross mating of similar connectors ·360 degree screening for full EMC shielding 		<ul style="list-style-type: none"> ·Security of the push-pull Self-latching system ·Multicore type with 2-6 pins ·Solder or PCB contacts(straight and elbow) ·High-density installation for saving space · Half-moon insulator positioning avoid mismatching ·360 degree screening for full EMC shielding 		<ul style="list-style-type: none"> · Smart push-pull self-latching system · Multicore types with 2 to 26 pins · Solder or PCB contacts(straight and elbow) · High-density installation for saving space · Multiple key options to avoid mismatching · 360 degree screening for full EMC shielding ·Waterproof connector (IP66-68) · Rugged housing for extreme working conditions 		<ul style="list-style-type: none"> · Security of the push-pull self-latching system · Multicore type with 2 to 12 pins · Short type connectors with high density installation for saving space · Half-moon insulator positioning avoid mismatching · 360 degree screening for full EMC protection 	
Outshell Type	Plug	Socket	Plug	Socket	Plug	Socket	Plug	Socket
	Straight	Free	Straight	Free	Straight	Floating	Straight	Fixed
	Elbow	Fixed	Fixed	Fixed	Elbow	Fixed		
	Fixed	Elbow			Fixed	Vacuum Sealed		
		PCB Fixed						
		Rear Panel Fixed						
		Vacuum Sealed						

	C Series	F Series	P Series	BP Connector
				
Description	Standard Multicore Type, Keying system for connector alignment	Standard Multicore Type- Keying system for Connector alignment	Standard Multicore Type- Keying system for Connector alignment	Widely used in medical apparatus and instruments
Main Features	<ul style="list-style-type: none"> • security of the push-pull self-latching system; • multi-core type with 2 to 21 pins; • solder and PCB contacts(straight and elbow); • high-density installation for saving space; • 360-degree screening for full EMC protection; • receptacle is vacuum sealed, suitable for equipments demand obturation. • Different kinds of keying options to avoid mismatching 	<ul style="list-style-type: none"> • security of the push-pull self-latching system; • multi-core type with 2 to 21 pins; • solder and PCB contacts(straight and elbow); • high-density installation for saving space; • 360-degree screening for full EMC protection; • receptacle is vacuum sealed, suitable for equipments demand obturation • Different kinds of keying options to avoid mismatching. 	<ul style="list-style-type: none"> • Smart push-pull self-latching system; • Multicore types 2 to 14 pins; • Solder or PCB contacts(straight and elbow); • High packing density for space saving; • Collet nut and socket nut with the same color to avoid mismatching. 	<ul style="list-style-type: none"> • Ambient Temperature : - 30℃ ~ +60℃ • Leakage Rate : ≤4mmHg/min (0.5Kpa/min) when the pressure difference is 400mmHg. • Life: push on/off 1000 times
Outshell Type	Plug Socket Straight Fixed	Plug Socket Straight Fixed	Plug Socket Straight Fixed PCB Fixed	

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