

TRIAXIAL CONNECTORS



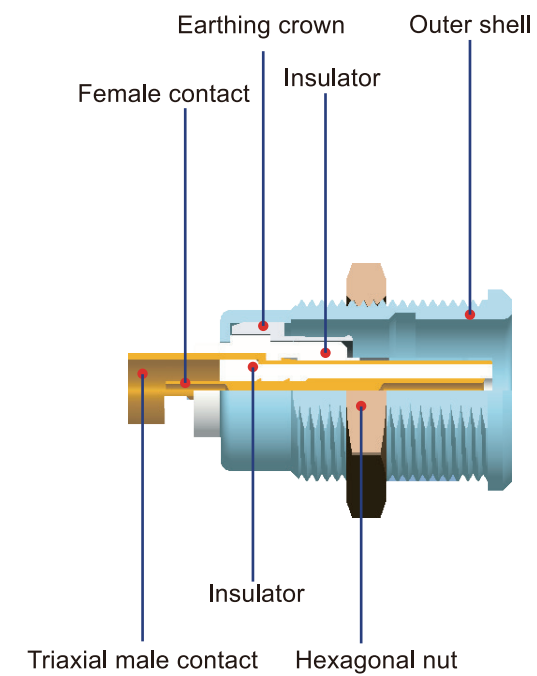
MAIN FEATURES:

1. Security of the push –pull self-latching system
2. Solder or PCB contacts (straight or elbow)
3. High Packing density for space saving
4. Impedance 50Ω or 75Ω
5. 360° screening for full EMC shielding

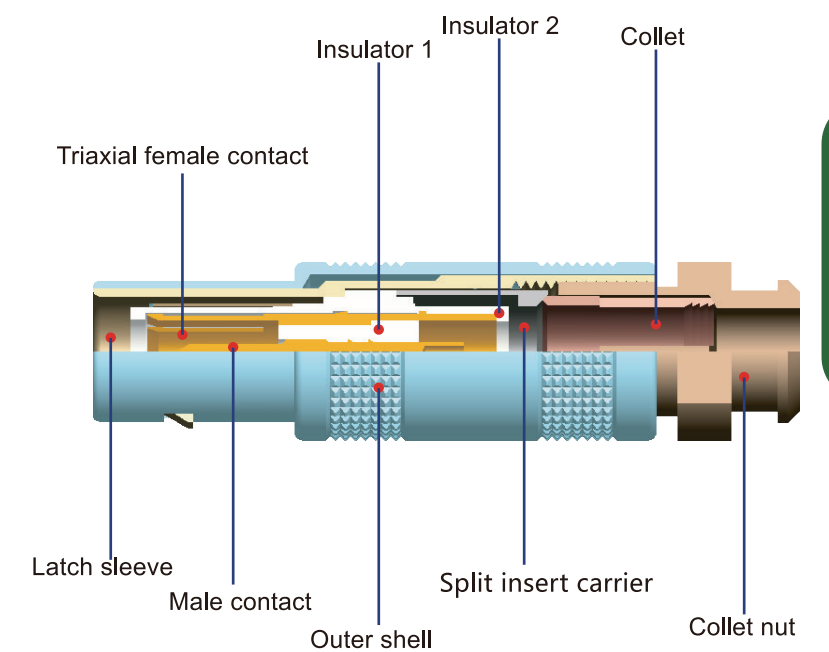
PART SECTION SHOWING INTERNAL COMPONENTS

Triaxial series

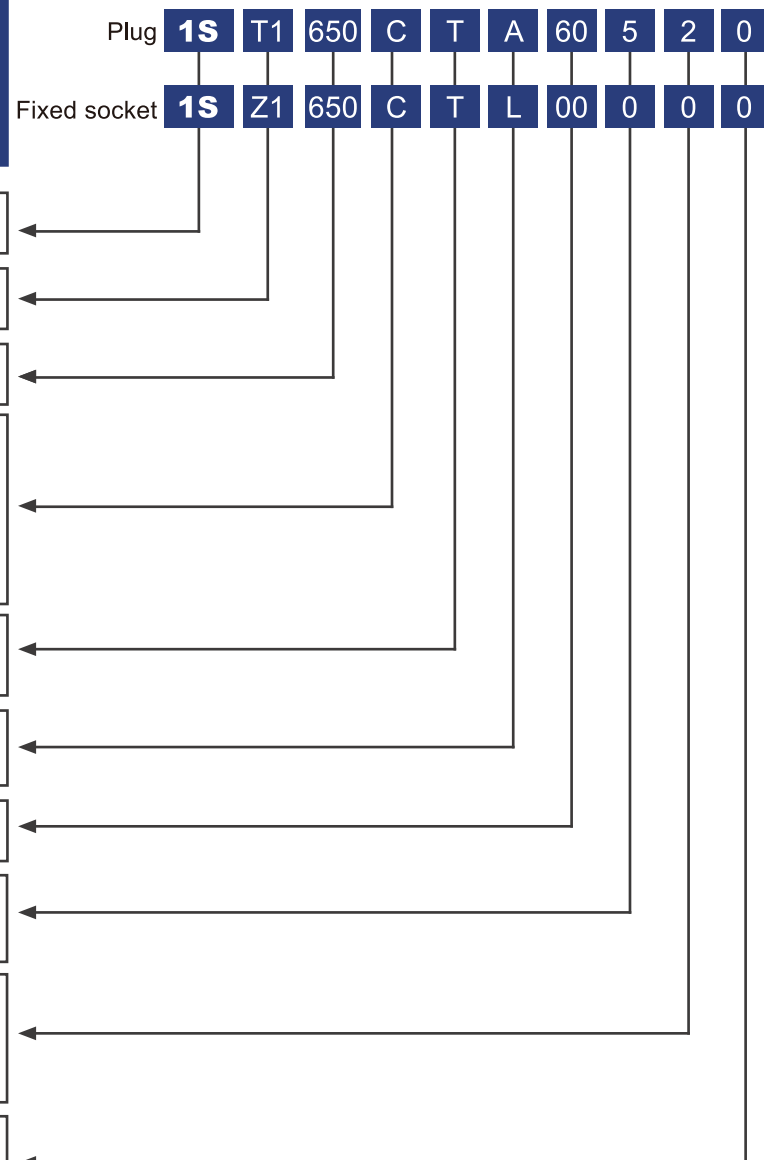
Fixed socket



Straight plug



Part Numbering System



PART NUMBER EXAMPLE:

Straight plug with cable collet:

1ST1650CTA60520=1S series triaxial straight plug, 50Ω impedance, cable collet, chrome plated brass outer shell, PTFE insulator, solder contact, collet for 6.0mm diameter cable, knurl pattern out shell pattern, collet nut for bend relief, without earthing tag.

Fixed socket:

1SZ1650CTL00000=1S series triaxial fixed socket, 50Ω impedance, nut fixing, chrome plated brass outer shell, PTFE insulator, solder contact, without earthing tag.

TECHNICAL CHARACTERISTICS

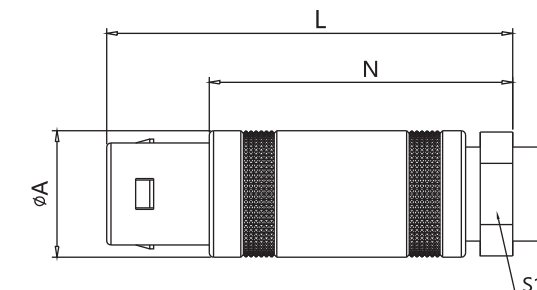
Characteristics	Parameter
Locking Type	push pull self-latching type
Working Temperature	-55°C~ +250°C
Maximum Humidity	up to 95% at 60°/140°F
Shielding Efficiency	75dB(10MHz) 40dB(1GHz)
Resistance to Vibration	15g[10Hz~2000Hz]

Characteristics	Parameter
Salt spray corrosion test	96hr
Shock resistance	100g, 6ms
Endurance	5000 cycles
Protection index(mated)	S series: IP50, E series: IP68

Housing Models

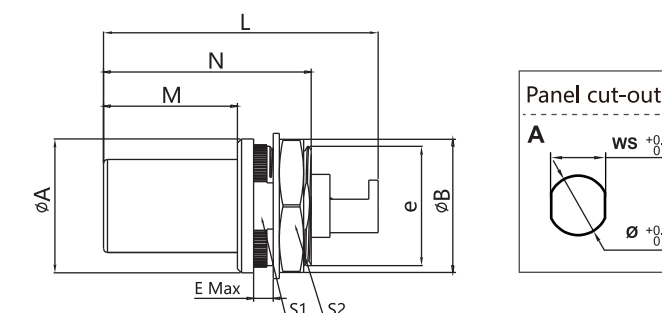
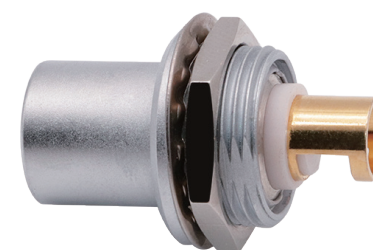
S series

T1 PLUG STRAIGHT PLUG, WITH CABLE COLLET AND NUT FOR FITTING A BEND RELIEF



Reference		Dimensions(mm)			
Series	Model	A	L	N	S1
0S	T1	8.8	35.7	25.7	7.3
1S	T1	11.9	39.5	28.5	9

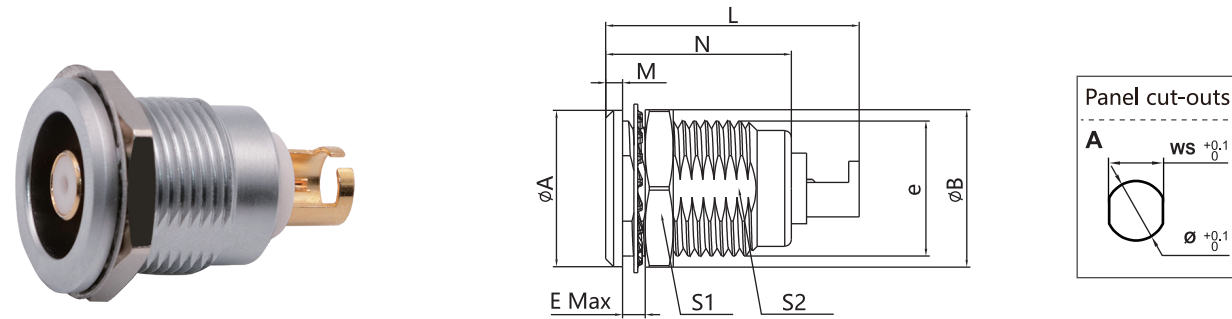
T2 PLUG FIXED SOCKET, NON-LATCHING, NUT FIXING



Reference		Dimensions(mm)									Panel cut-outs		
Series	Model	A	B	L	M	N	E	S1	S2	e	Ws	Ø	Type
0S	T2	10	12.5	20.5	10	15.5	1	8.2	11	M9*0.5	8.3	9.1	A
2S	T2	18	19.2	28.7	12	20.5	3	13.5	17	M15*1.0	13.6	15.1	A

Z1 SOCKET

FIXED SOCKET, FRONT PANEL MOUNT, NUT FIXING

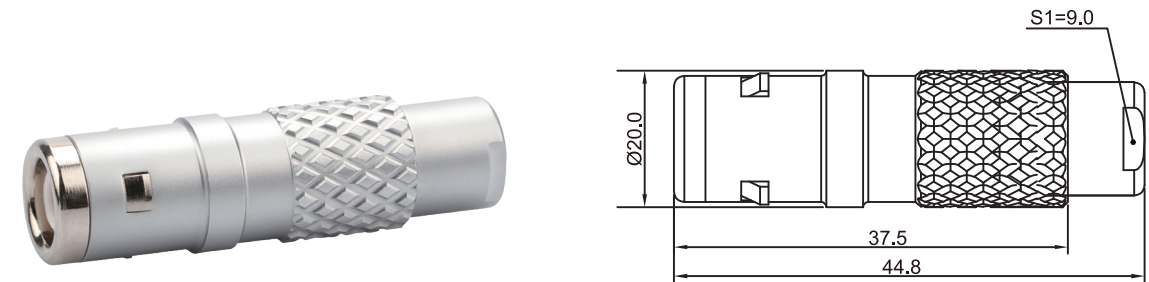


Reference		Dimensions(mm)									Panel cut-outs		
Series	Model	A	B	L	M	N	E	S1	S2	e	Ws	Ø	Type
0S	Z1	10	12.5	19	1.5	14.5	7	11	8.2	M9*0.5	8.3	9.1	A
1S	Z1	17	16	28	2	18.2	8	14	10.5	M12*1.0	10.6	12.1	A
2S	Z1	18	19.2	24.7	2	21	8	17	13.5	M15*1.0	13.6	15.1	A

1E series

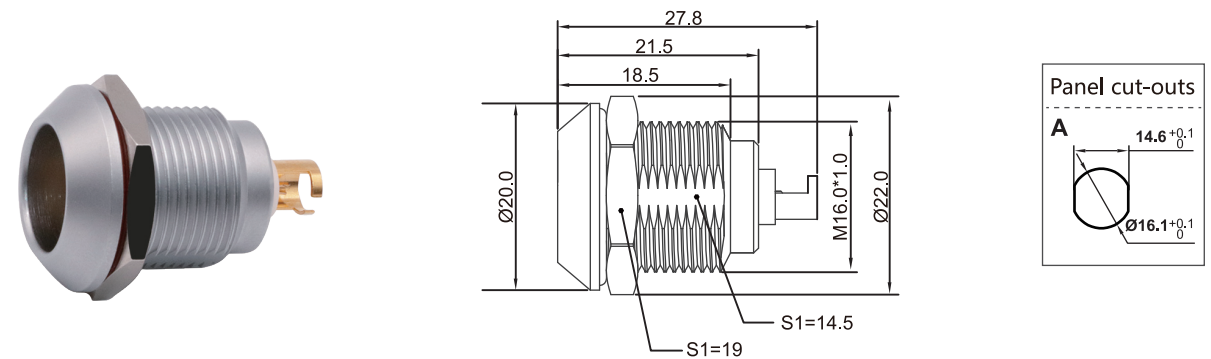
T1 PLUG

STRAIGHT PLUG, WITH CABLE COLLET, WATERTIGHT, IP68



Z1 SOCKET

FIXED SOCKET, FRONT PANEL MOUNT, NUT FIXING, WATERTIGHT, IP68

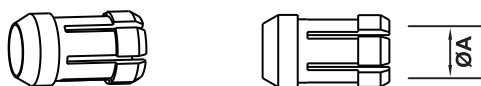


INSERT CONFIGURATION

Series	Code	Solder contacts		Contact ø(mm)	Impedance (Ω)	Rated current (A)	Test voltage (V)	Working voltage (V)
		Male	Female					
0S	650			0.9	50	6	1000	400
1S 1E	650			0.9	50	6	1000	330
2S	675			0.9	75	6	1500	500

CALCULATION METHOD: WORKING VOLTAGE= TEST VOLTAGE/3

COLLET S, Coaxial, Triaxial, High Voltage Series (The material of collet is nickel plated brass)



Code	Collet ØA (mm)	Cable DiaØ(mm)		Series			
		min.	max.	00S	0S	1S	2S
20	2.0	1.5	2.0	●			
27	2.7	2.2	2.7			●	
30	3.2	2.7	3.2	●	●		
35	3.5	3.1	3.5			●	
40	4.0	3.6	4.0			●	●
45	4.5	4.1	4.5		●		
50	5.0	4.6	5.0	●		●	●
60	6.0	5.1	6.0				●
62	6.2	5.8	6.2			●	
65	6.5	6.1	6.5			●	
70	7.0	6.6	7.0				●
80	8.0	7.1	8.0				●