

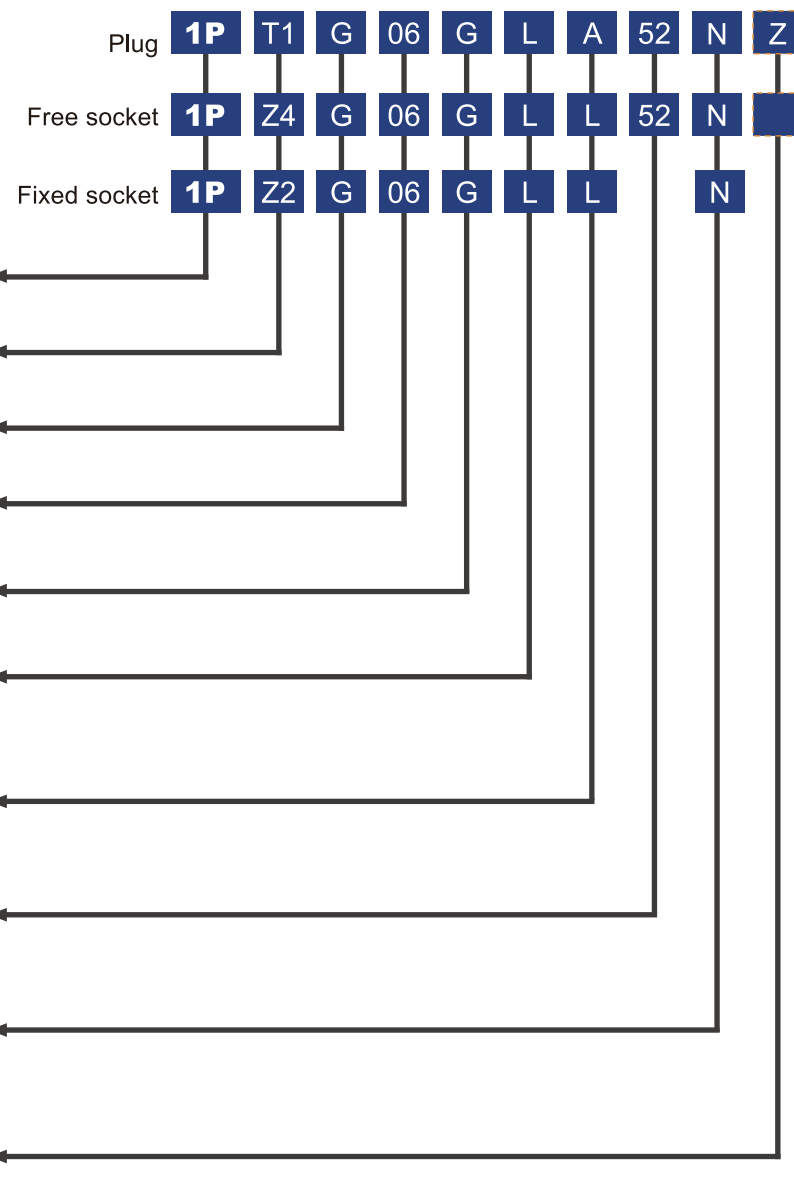
P SERIES

(INDOOR KEYED)

MOCO P series connectors have passed UL certification. Now three sizes are available: 0P series(M10), 1P series (M14) and 2P series (M17). They are widely used in electronic equipment, instrument & meters, LED display screen, and especially in medical devices, such as patient monitor, ventilator, anesthetic machine, color Doppler ultrasound, BP monitor, Infrared therapeutic instrument, electrophysiology, TCD, electric knife, endoscopy, defibrillator, dental equipment, electric shock generator, MRI, etc.



Part Numbering System



PART NUMBER EXAMPLE:

Straight plug with cable collet:

1PT1G06GLA52NZ =1P series straight plug with key(G) and cable collet, multipole type with 6 contact s, grey outer shell, PPS insulator, solder male contacts, collet for 5.0mm diameter cable, with a black bend relief.

Free socket:

1PZ4G06GLL52N =1P series free socket with key(G) and cable collet, multipole type with 6 contacts, grey outer shell, PPS insulator, solder male contacts, collet for 5.0mm diameter cable, and black collet nut.

Fixed socket:

1PZ2G06GLLN =1P series fixed socket, with two nut and key(G) , multipole type with 6 contacts, grey outer shell, PPS insulator, solder female contacts, and black plastic front nut.

MAIN FEATURES:

1. Security of the push –pull self-latching system
2. Multipole types 2 to 26 contacts
3. Light weight and small volume. The newly developed 0P series (M10) is smaller than the standard 1p series.
3. Solder or PCB contacts (straight or elbow)
4. High Packing density for space saving
6. The tail nut and socket round nut are distinguished by color to prevent misinsertion;
7. Multiple key positions are selected to avoid mixed insertion between similar connectors;
8. UL Listed (E486290).

TECHNICAL CHARACTERISTICS

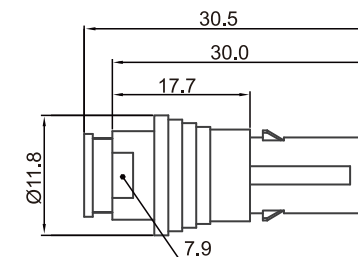
Characteristics	Parameter
Locking Type	push pull self-latching type
Working Temperature	-20°C~+120°C
Maximum Humidity	up to 95% at 60°/140°F
Shielding Efficiency	75dB(10MHz) 40dB(1GHz)
Resistance to Vibration	15g[10Hz~2000Hz]
Salt spray corrosion test	96hr
Shock resistance	100g,6ms
Endurance	1000 cycles
Protection index(mated)	IP50

Housing Models

0P series

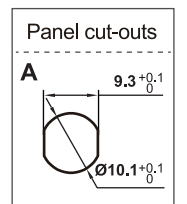
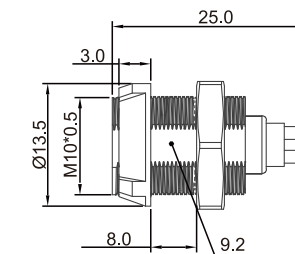
T1 PLUG

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



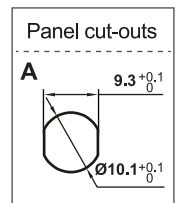
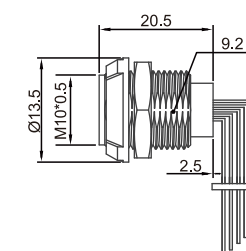
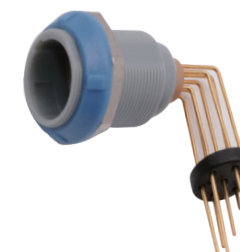
Z2 SOCKET

FIXED SOCKET WITH TWO NUTS, FRONT OR BACK PANEL MOUNT



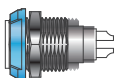
Z2 SOCKET

FIXED SOCKET WITH TWO NUTS, FRONT OR BACK PANEL MOUNT, ELBOW(90°) CONTACT FOR PCB



0P series Accessories

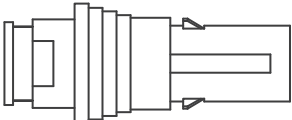
NUT COLOR:

Nut	Code	G	A
	Color	Grey	Blue
			

CABLE COLLET:

	Code	40
	Cable diameter	2.7-4.0mm

ALIGNMENT KEY:

Key of plug	Diagram
	0°
Key code	G

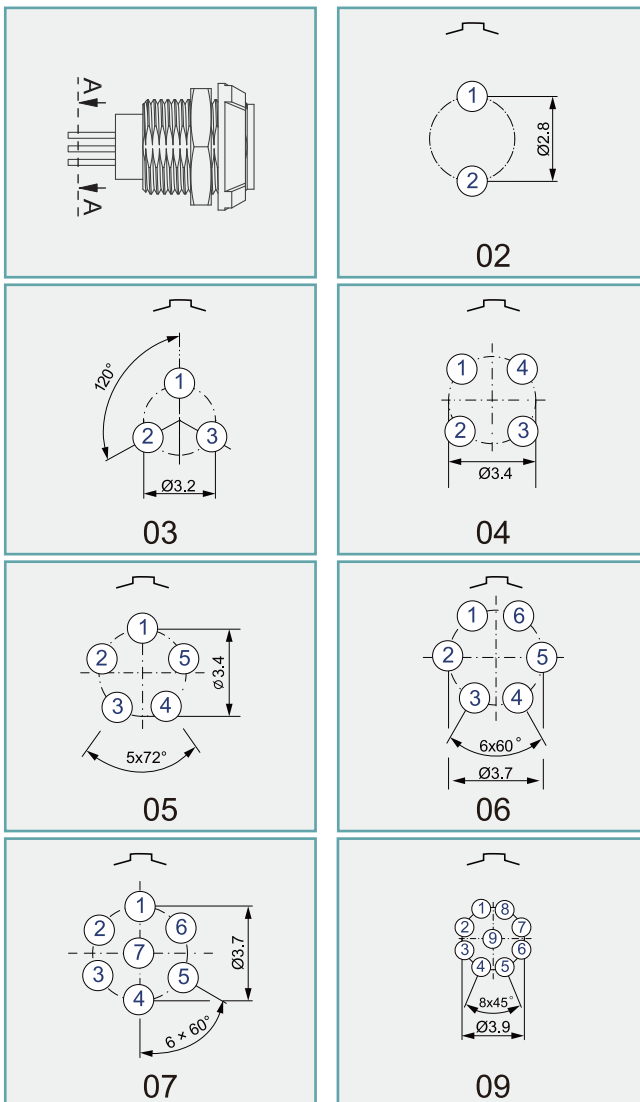
INSERT CONFIGURATION (Multipole)

Series	Code	Solder contacts		Contact ø(mm)	Resistance (mΩ)	Rated current (A)	Test voltage (V)	Working voltage (V)
		Male	Female					
0P	02			0.9	6	10	1000	450
	03			0.9	6	8	875	400
	04			0.7	7.5	7	875	300
	05			0.7	7.5	6.5	750	350
	06			0.5	10	2.5	750	300
	07			0.5	10	2.5	750	250
	09			0.5	10	2	600	200

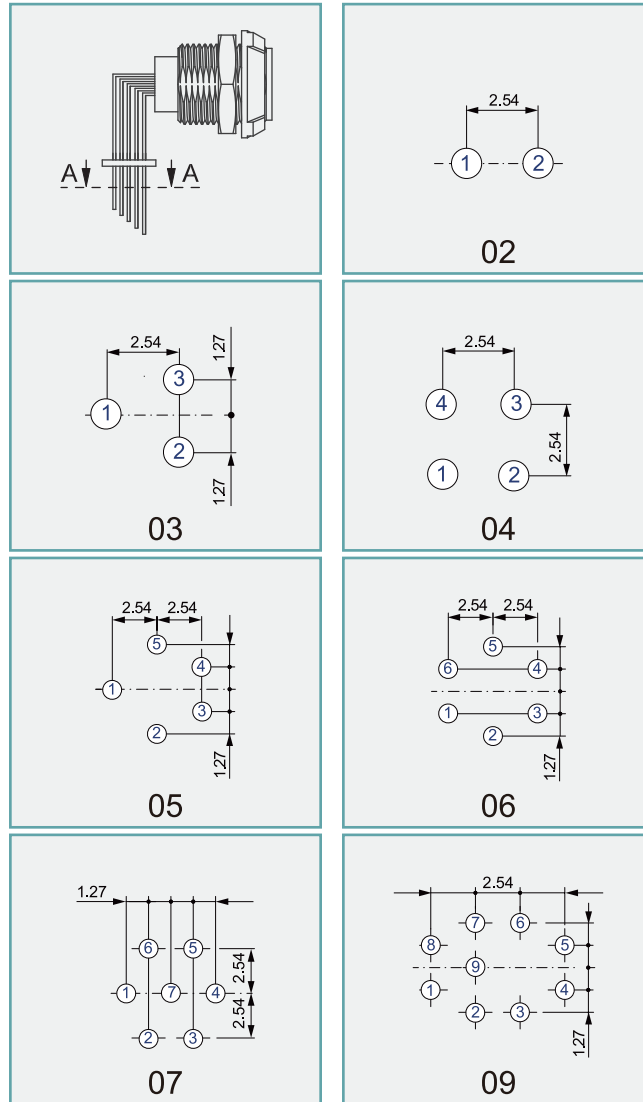
CACULATION METHOD: WORKING VOLTAGE= TEST VOLTAGE/3

0P SERIES PCB DRILLING PATTERN

For fixed socket with straight print contacts



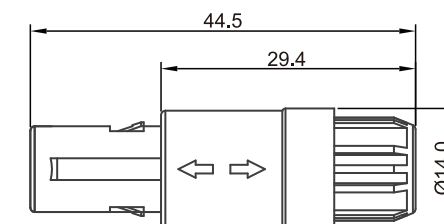
For fixed socket with 90° print contacts



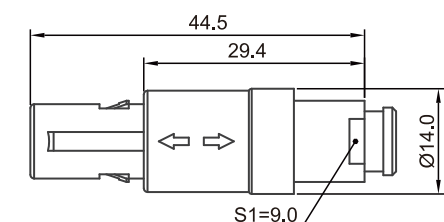
NOTE : ALL VIEWS ARE FROM THE SIDE OF THE SOCKET.

1P series

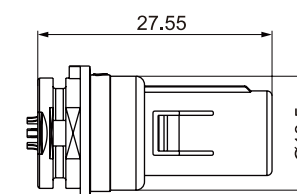
T1 PLUG STRAIGHT PLUG, WITH CABLE COLLET



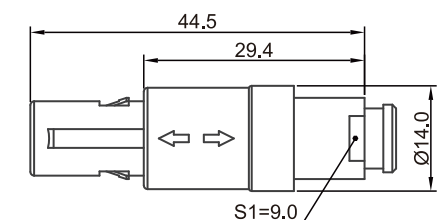
T1 PLUG STRAIGHT PLUG, WITH CABLE COLLET AND NUT FOR FITTING A BEND RELIEF



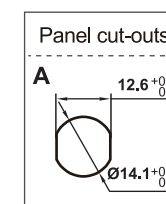
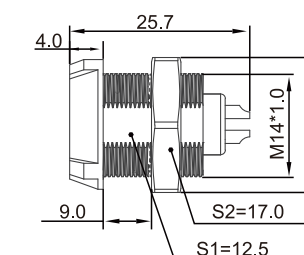
T2 PLUG DISPOSABLE SHORT TYPE PLUG, OVERMOLDING VERSION



T4 PLUG STRAIGHT PLUG, WITH CABLE COLLET AND NUT FOR FITTING A BEND RELIEF, WATERTIGHT IP64

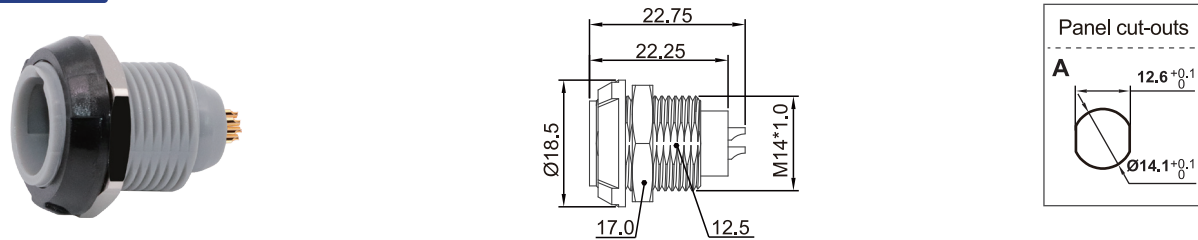


Z1 SOCKET FIXED SOCKET, FRONT PANEL MOUNT, NUT FIXING

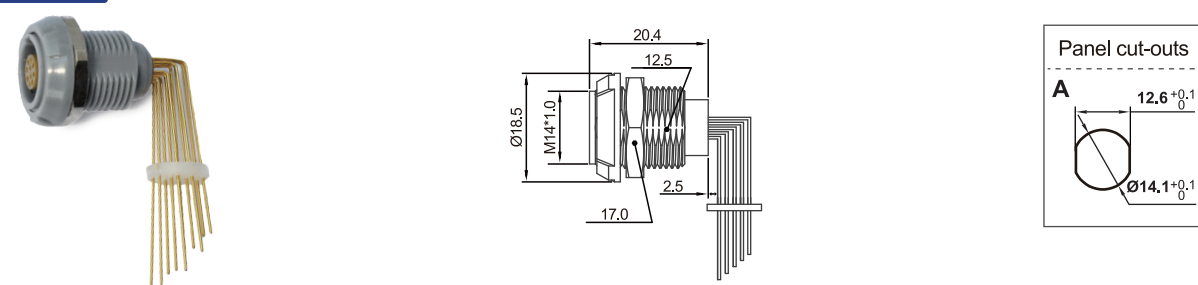


1P series

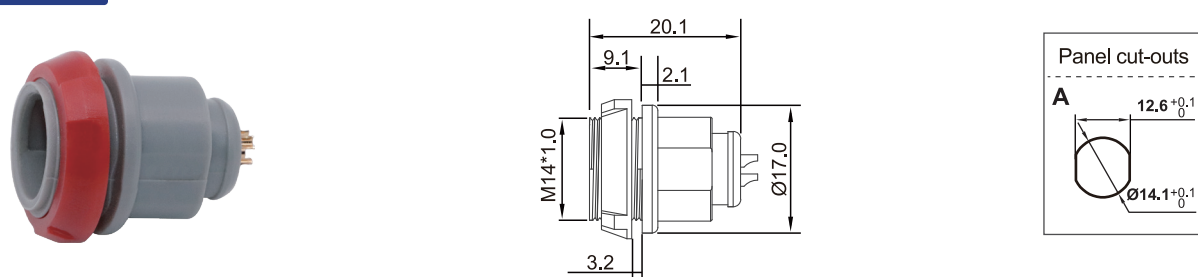
Z2 SOCKET FIXED SOCKET, WITH TWO NUTS



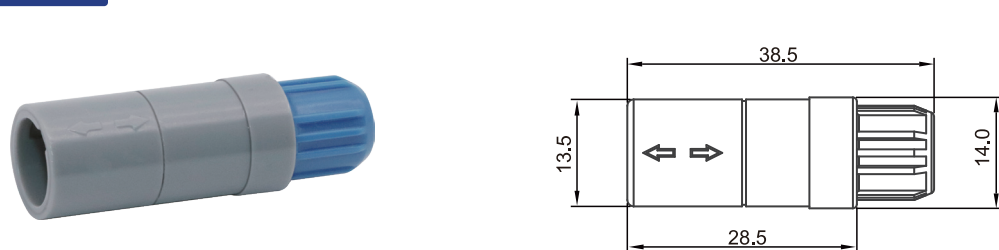
Z2 SOCKET FIXED SOCKET, WITH TWO NUTS, WITH 90° CONTACTS FOR PCB



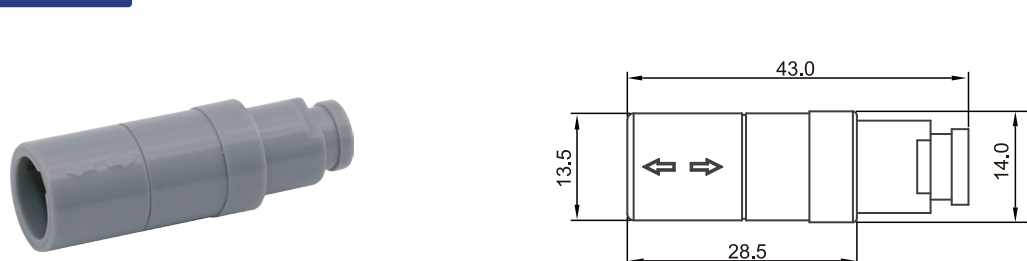
Z3 SOCKET FIXED SOCKET, BACK PANEL MOUNT, NUT FIXING



Z4 SOCKET FREE SOCKET, CABLE MOUNT, WITH CABLE COLLET

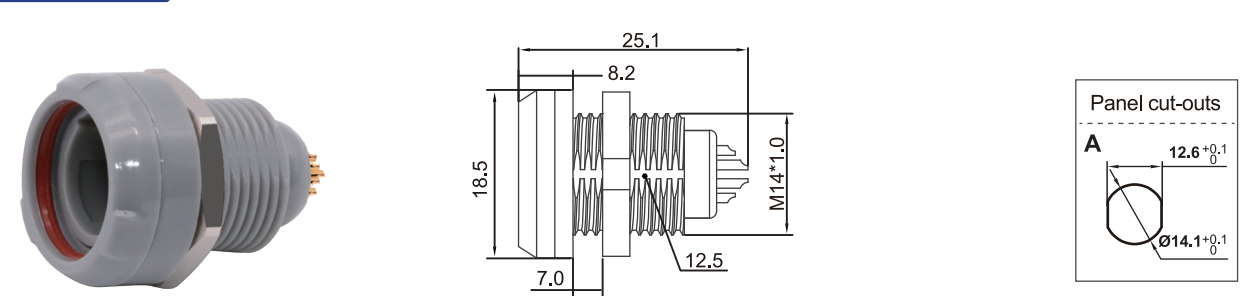


Z4 SOCKET FREE SOCKET, CABLE MOUNT, WITH CABLE COLLET AND NUT FOR FITTING A BEND RELIEF



1P series

Z8 SOCKET FIXED SOCKET, FRONT PANEL MOUNT, NUT FIXING, WATERTIGHT IP64



1P series Accessories

NUT COLOR:

Code	N	G	A	R	J	V	B
Color	Black	Grey	Blue	Red	Yellow	Green	White
Collet/Nut							

CABLE COLLET:

Code	42	52	65
Cable diameter	2.7-4.2mm	4.3-5.2mm	5.3-6.5mm

ALIGNMENT KEY:

Key of plug	Diagram				
	0°	40°	60°	80°	170°
Key code	G	A	B	C	H

INSERT CONFIGURATION (Multipole)

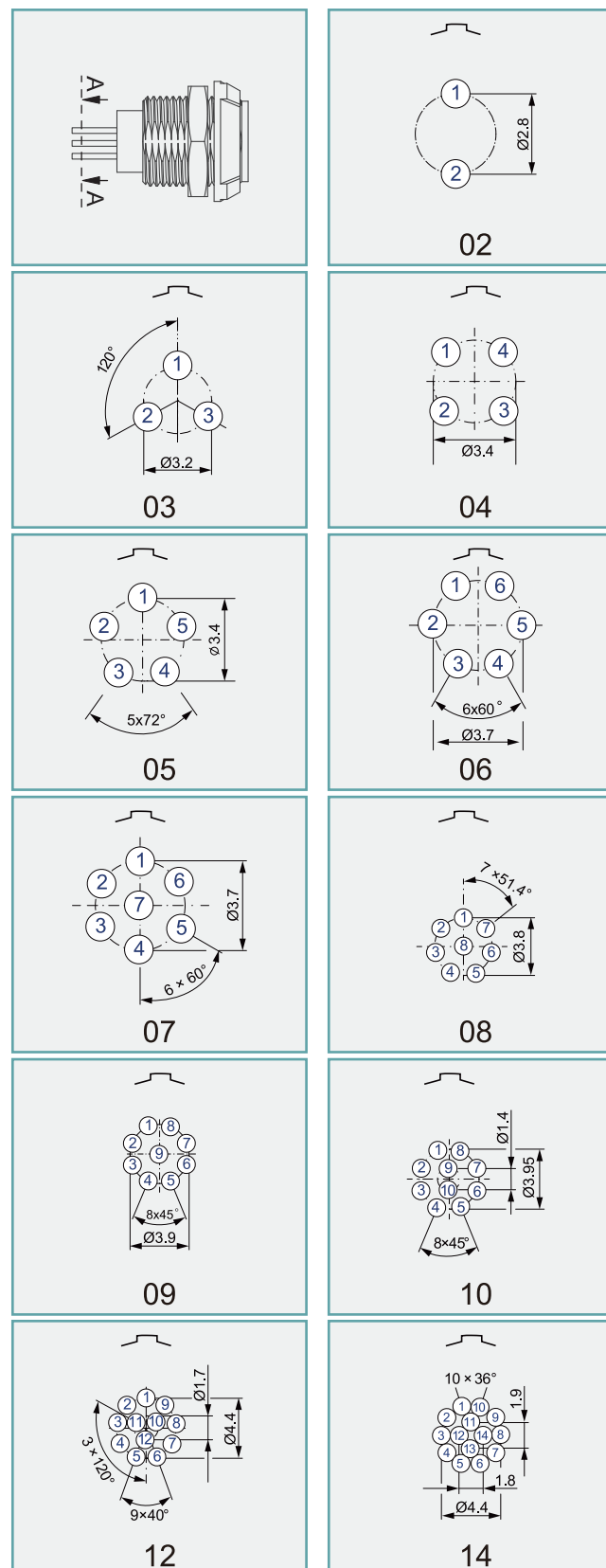
Series	Code	Solder contacts		Contact ø(mm)	Resistance (mΩ)	Rated current (A)	Test voltage (V)	Working voltage (V)
		Male	Female					
1P	02			1.3	5	10	1200	500
	03			1.3	5	9	1200	500
	04			0.9	6	8	1200	500
	05			0.9	6	7	1050	500
	06			0.7	7.5	6	1050	450
	07			0.7	7.5	5	1050	450
	08			0.7	7.5	5	1050	400
	09			0.5	10	3	850	333
	10			0.5	10	3	850	333
	12			0.5	10	2.2	750	333
	14			0.5	10	2	600	550

CACULATION METHOD: WORKING VOLTAGE= TEST VOLTAGE/3

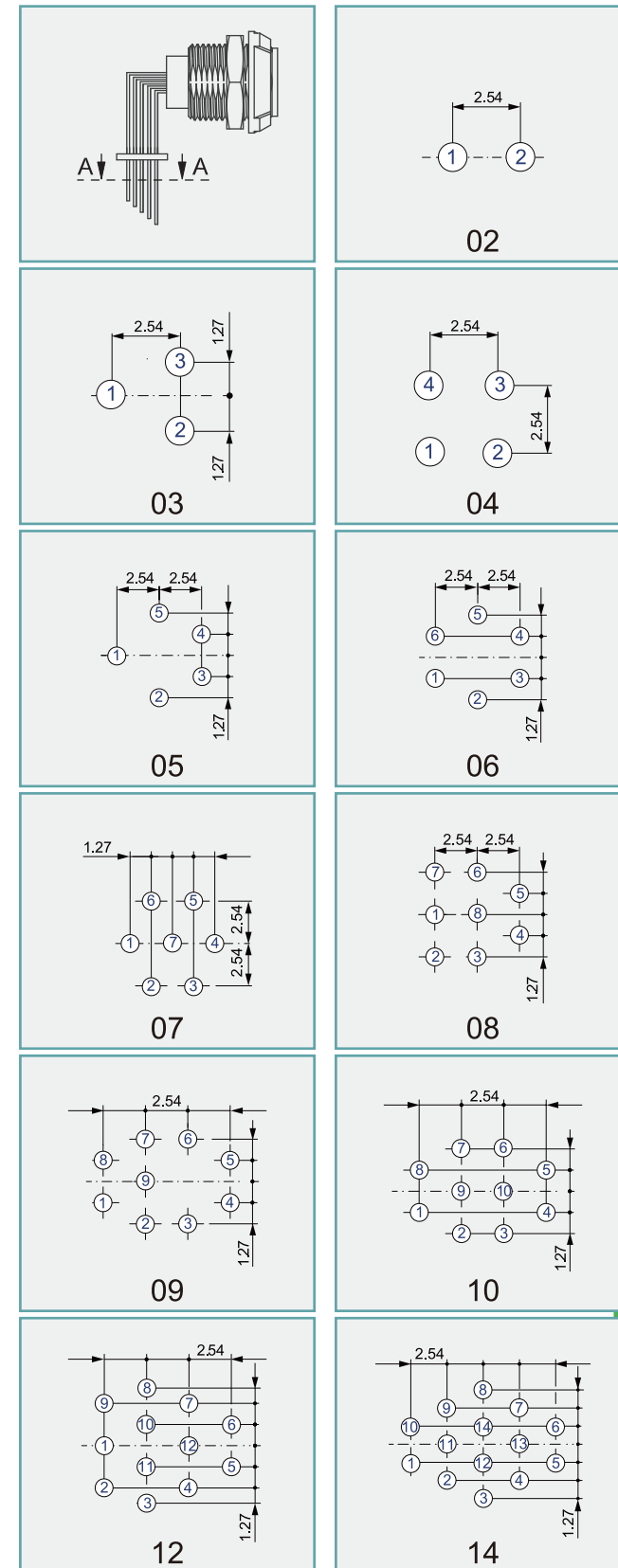
Series	Code	Number of contacts	Solder contacts		Ext. ø of tube (mm)	Int. ø of tube (mm)	Contact inner diameter (mm)	Max. working pressure(bars)
			Male	Female				
1P	01	1 Fluidic			6.0	4.0	2.5	2

1P SERIES PCB DRILLING PATTERN

For fixed socket with straight print contacts



For fixed socket with 90° print contacts



NOTE : ALL VIEWS ARE FROM THE SIDE OF THE SOCKET.

2P series

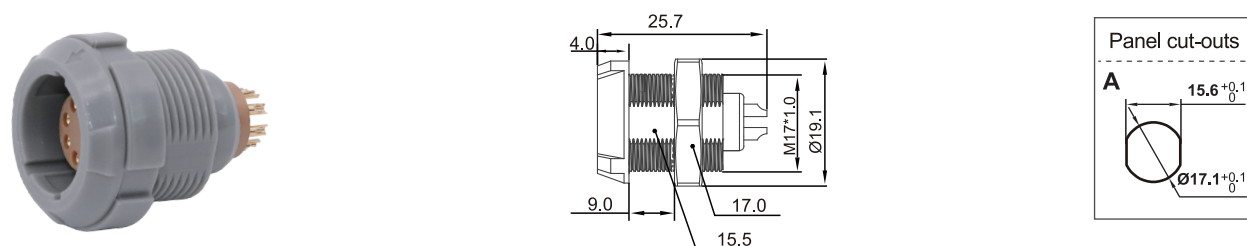
T1 PLUG STRAIGHT PLUG, WITH CABLE COLLET



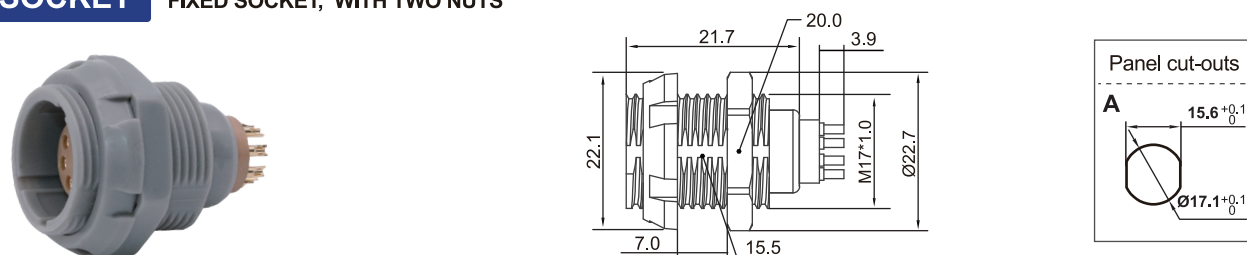
T1 PLUG STRAIGHT PLUG, WITH CABLE COLLET AND NUT FOR FITTING A BEND RELIEF



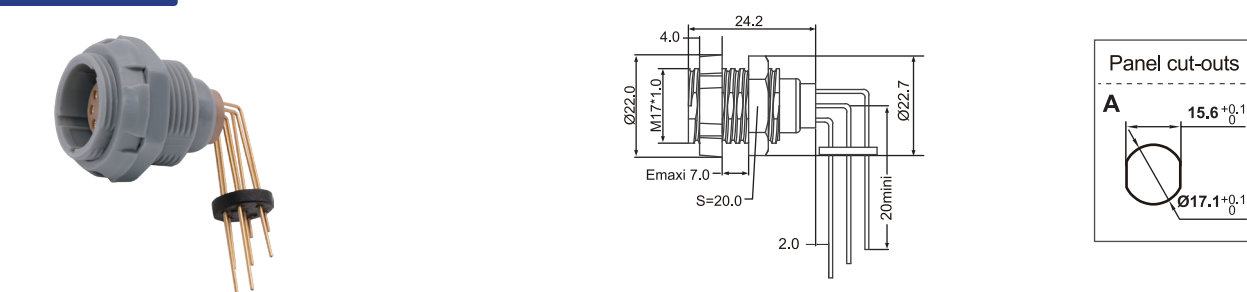
Z1 SOCKET FIXED SOCKET , FRONT PANEL MOUNT, NUT FIXING



Z2 SOCKET FIXED SOCKET, WITH TWO NUTS

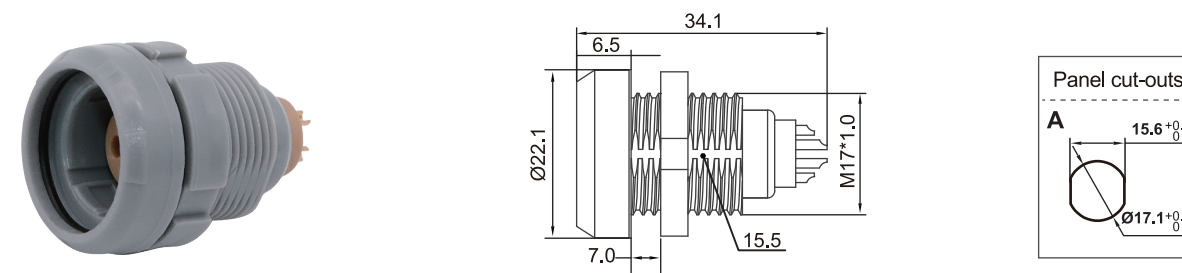


Z2 SOCKET FIXED SOCKET WITH TWO NUTS, FRONT OR BACK PANEL MOUNT, ELBOW(90°) CONTACT FOR PCB



2P series

Z8 SOCKET FIXED SOCKET , FRONT PANEL MOUNT, NUT FIXING, WATERTIGHT IP64



2P series Accessories

NUT COLOR:

Code	N	G	A	J	V
Color	Black	Grey	Blue	Yellow	Green
Collet/Nut					

CABLE COLLET:

Code	60	70	80
Cable diameter	5.0-6.0mm	6.0-7.0mm	7.1-8.0mm

ALIGNMENT KEY:

Key of plug	Diagram
Key code	G

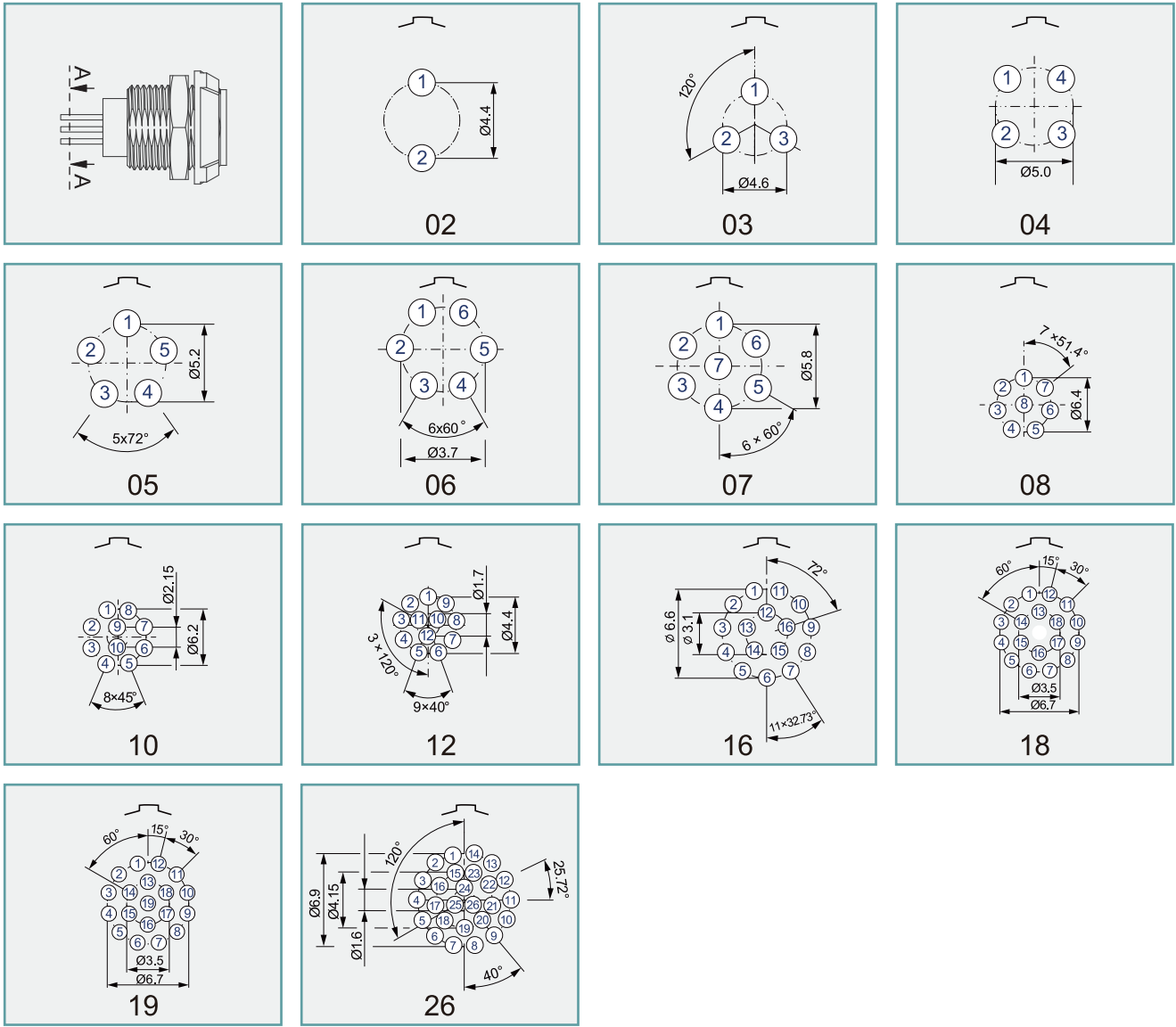
INSERT CONFIGURATION (Multipole)

Series	Code	Solder contacts		Contact ϕ (mm)	Resistance (m Ω)	Rated current (A)	Test voltage (V)	Working voltage (V)
		Male	Female					
2P	02			2.0	3	30	1650	600
	03			1.6	4	17	1800	600
	04			1.3	5	15	1800	500
	05			1.3	5	14	1500	500
	06			1.3	5	12	1500	550
	07			1.3	6	11	1680	400
	08			0.9	6	10	1200	400
	10			0.9	7.5	8	1200	450
	12			0.7	7.5	7	1350	400
	16			0.7	7.5	6	1200	400
	18			0.7	7.5	6	1200	400
	19			0.7	7.5	6	1200	400
	26			0.5	8	5.5	1200	400

CACULATION METHOD: WORKING VOLTAGE= TEST VOLTAGE/3

2P SERIES PCB DRILLING PATTERN

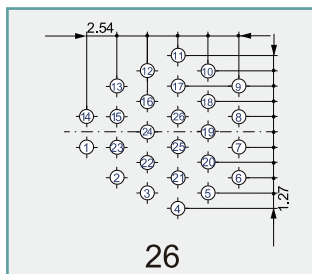
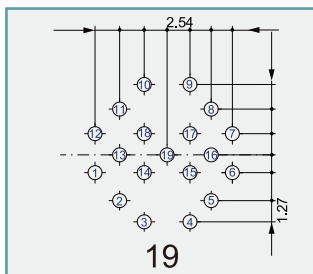
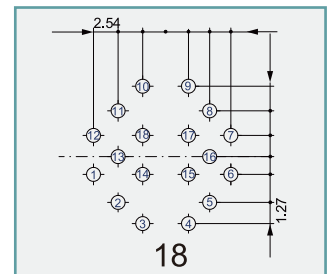
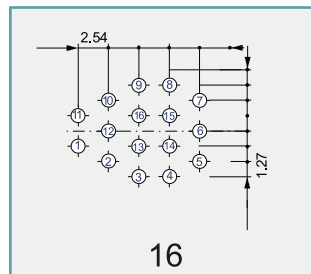
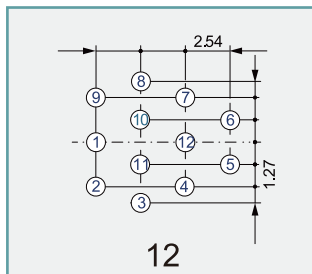
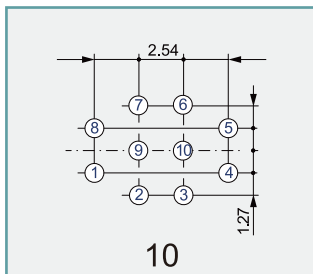
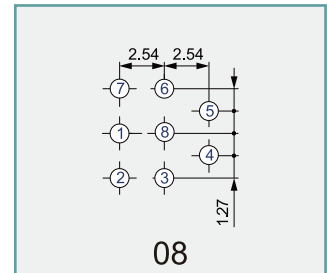
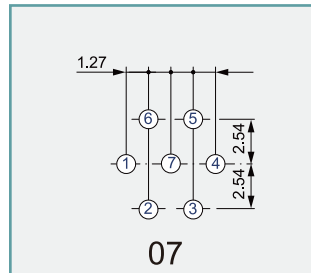
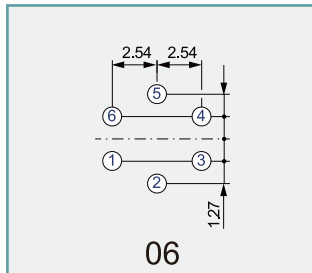
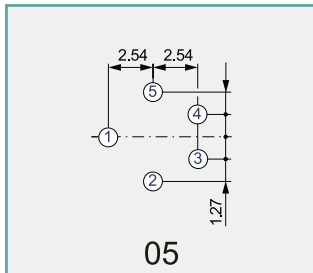
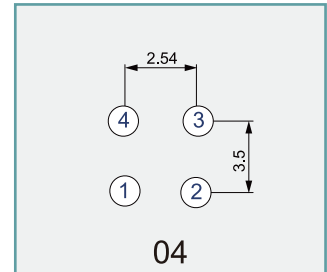
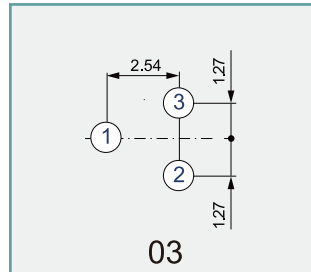
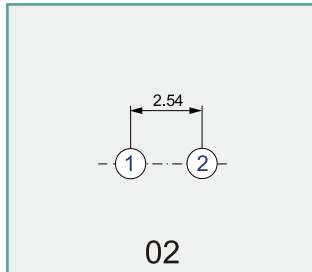
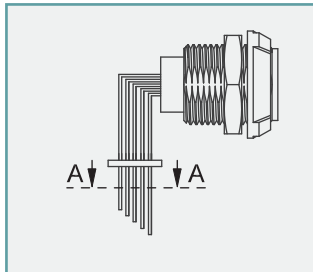
For fixed socket with straight print contacts



NOTE : ALL VIEWS ARE FROM THE SIDE OF THE SOCKET.

2P SERIES PCB DRILLING PATTERN

For fixed socket with 90° print contacts



NOTE : ALL VIEWS ARE FROM THE SIDE OF THE SOCKET.