

## Technical Specifications

- Working temperature: Soldering type -55 °C ~ 125 °C, Crimping type -55 °C ~ 200 °C
- Relative humidity: 95% at 40°C
- Working height: altitude 20000 m
- Vibration: Frequency 10 Hz~2000 Hz, 147m/s<sup>2</sup>
- Shock: 490 m/s<sup>2</sup>
- Constant acceleration: 490 m/s<sup>2</sup>
- Sealing: air pressure resistance 0.2Mpa (only sealed socket)

## Electrical Specifications

- Contact resistance and rated current

Contact Size (mm)	Contact Resistance (mΩ)	Current rating (A)
Ø 1.0	≤5	5
Ø 1.5	≤3	10
Ø 2.5	≤1	25

- Voltage Specifications

Working Environment	Rated voltage (V)	Withstand voltage (V)	Insulation Resistance (MΩ)
Temperature and pressure	500	1500	≥3000
Wet heat	500	750	≥100
High temperature	500	—	≥500
Low air pressure condition 4.39kpa	250	350	—

Note: When the number of contacts is 32, 37, 65, 81, 120, the withstand voltage is 1000V.

## Crimp pinhole axial load (refer to GJB101A)

Contact diameter (mm)	Type	Crimping hole diameter (mm)	Fitting wire cross section (mm <sup>2</sup> )
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1.0	A	0.8	0.2 ~ 0.4
1.0	B	1.2	0.5 ~ 0.8
1.0	C	1.6	1 ~ 1.5
1.5	A	0.8	0.2 ~ 0.4
1.5	B	1.2	0.5 ~ 0.8
1.5	C	1.6	1 ~ 1.5
1.5	D	2.0	>1.5
2.5	A	0.8	0.2 ~ 0.4
2.5	B	1.2	0.5 ~ 0.8
2.5	C	1.6	1 ~ 1.5
2.5	D	2.0	>1.5

### Mechanical Specifications

- Shell: Aluminum alloy castings (Y2 series)
- High-strength aluminum alloy material (LY2 series)
- Plating: Nickel-plated, painted (Y2 series)
- Anodized coloring, nickel plating (LY2 series)
- Insulator: heat resistant thermoplastic or thermoset material
- Contact: Copper alloy material Plating Gold
- Mechanical life: 500 times

### Ordering Format

Example: Y2M-10ZJLMYNi




	Y2M	-	10	Z	J	L	M	Y	Ni
Main code: <ul style="list-style-type: none"> <li>Y2 – indicates circular electrical connection</li> <li>M – Civil,</li> <li>no sign: Military</li> </ul>	Y2M								
Number of contacts: <ul style="list-style-type: none"> <li>02, 03, 04, 07, 10, 14, 19, 24, 32, 36, 37, 50, 65, 81, 120, 151</li> </ul>	.		10						
Shell type: <ul style="list-style-type: none"> <li>T-Plug,</li> <li>Z-Receptacle</li> </ul>	.			Z					
Contact type: <ul style="list-style-type: none"> <li>J-Pin,</li> <li>K-Socket,</li> </ul>	.				J				
Socket installation: <ul style="list-style-type: none"> <li>B-Flange type,</li> <li>L- Cable type (plug not marked),</li> </ul>	.					L			
Sealing mark: <ul style="list-style-type: none"> <li>M- Receptacle glue seal (plug not marked)</li> </ul>	.						M		
Wiring method: <ul style="list-style-type: none"> <li>Y- Crimp type,</li> <li>No mark – Soldered</li> </ul>	.							Y	
Surface treatment: <ul style="list-style-type: none"> <li>No mark – black spray paint;</li> <li>L- Spray green paint;</li> <li>Ni- sandblasted nickel</li> </ul>	.								Ni

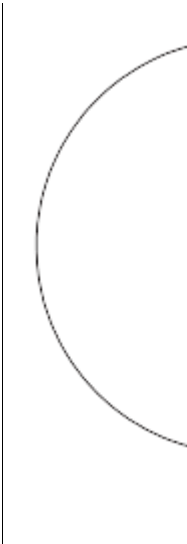
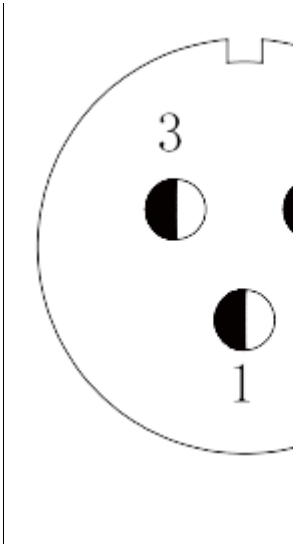
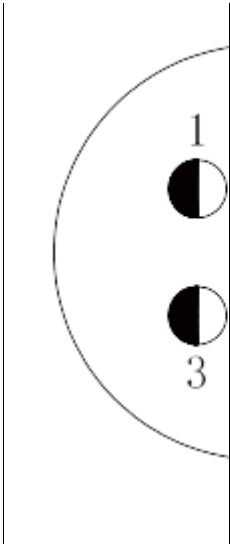
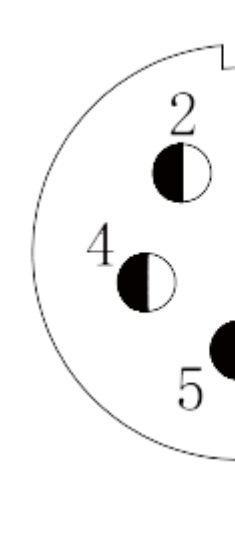
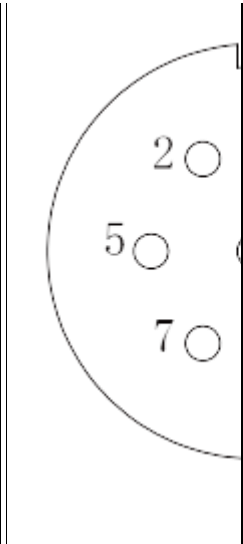
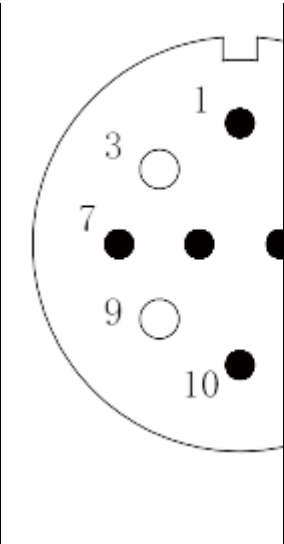
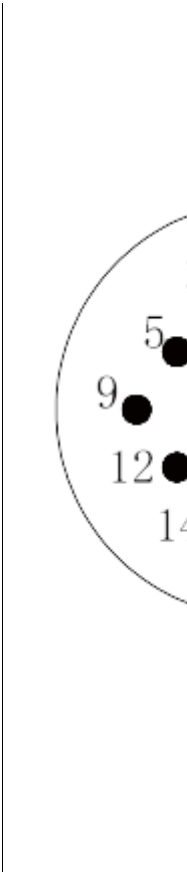
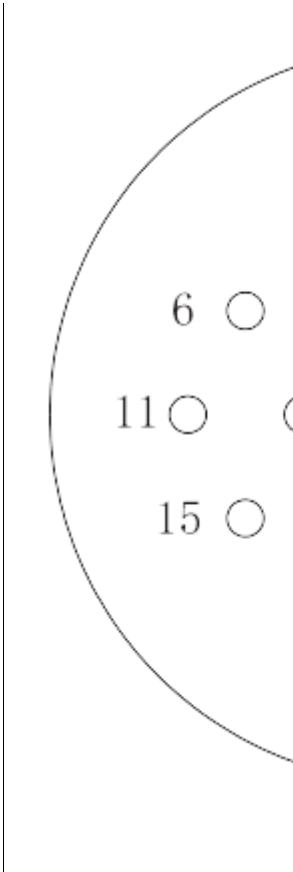
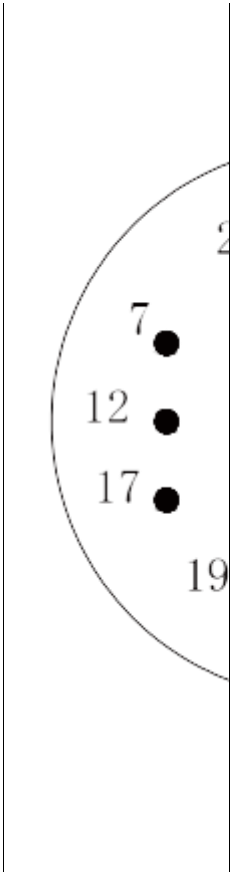
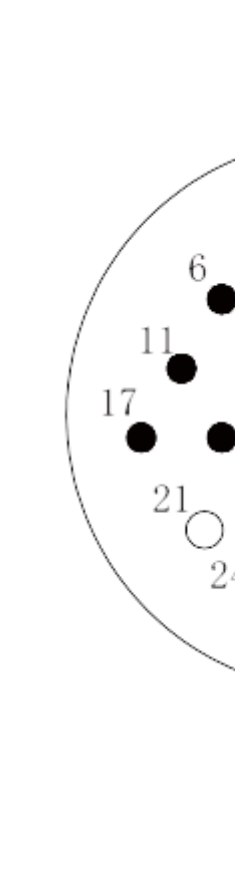
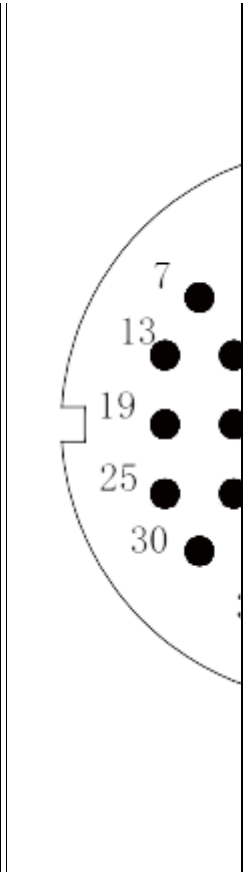
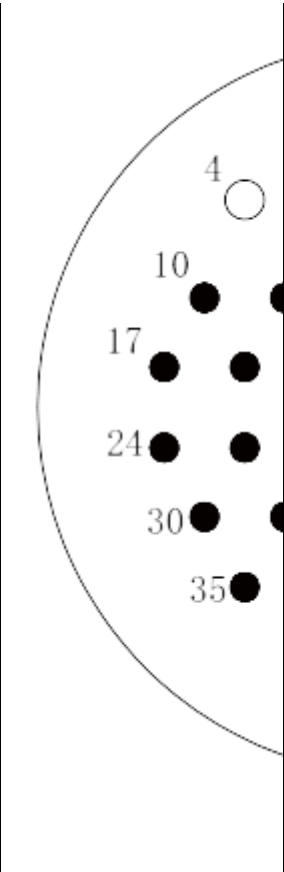
Example: LY2-10ZJLMYHX

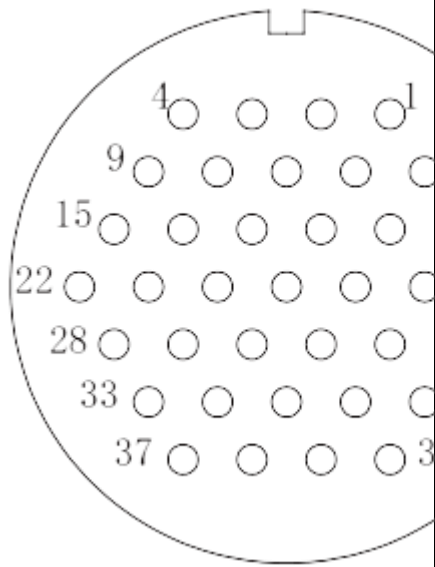
	LY2	-	10	Z	J	L	M	Y	H	X
Main code: <ul style="list-style-type: none"> <li>LY2 – indicates circular electrical connection</li> </ul>	LY2									
Number of contacts: <ul style="list-style-type: none"> <li>02, 03, 04, 07, 10, 14, 19, 24, 32, 36, 37, 50, 65, 81, 120, 151</li> </ul>	.		10							

Shell type: <ul style="list-style-type: none"> <li>• T-Plug,</li> <li>• Z-Receptacle</li> </ul>	•				Z					
Contact type: <ul style="list-style-type: none"> <li>• J-Pin,</li> <li>• K-Socket,</li> </ul>	•				J					
Socket installation: <ul style="list-style-type: none"> <li>• B-Flange type,</li> <li>• L- Cable type (plug not marked),</li> </ul>	•					L				
Sealing mark: <ul style="list-style-type: none"> <li>• M- Receptacle glue seal (plug not marked)</li> </ul>	•						M			
Wiring method: <ul style="list-style-type: none"> <li>• Y- Crimp type,</li> <li>• No mark – Soldered</li> </ul>	•							Y		
Surface treatment: <ul style="list-style-type: none"> <li>• H- Black anodized;</li> <li>• L- Military green anodized;</li> <li>• Ni-Blasted nickel;</li> <li>• S- Electroless nickel</li> </ul>	•								H	
<ul style="list-style-type: none"> <li>• X- wire spring hole</li> </ul>	•									X

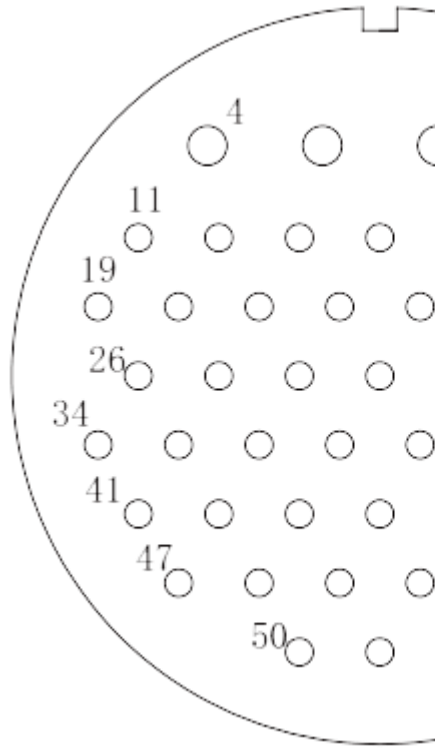
### Contact arrangement

Contact diameter (mm)	1	1.5	2.5
Symbol			

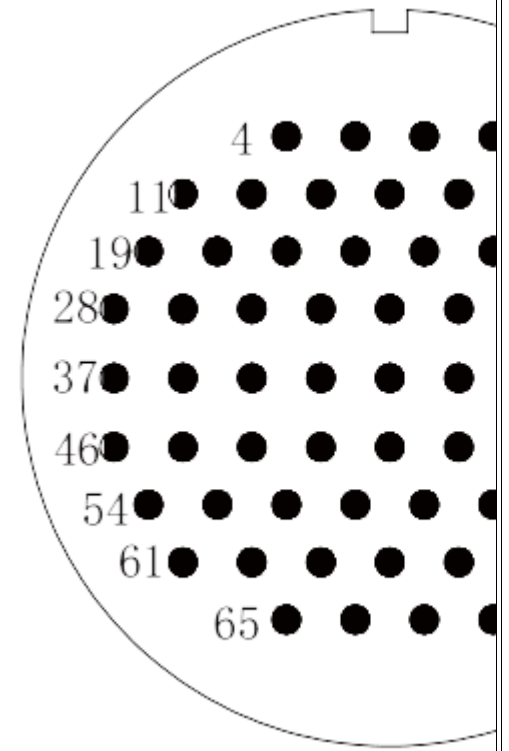
					
2 pins	3 pins	4 pins	5 pins	7 pins	10 pins
					
14 pins	16 pins	19 pins	24 pins	32 pins	36 pins



37 pins

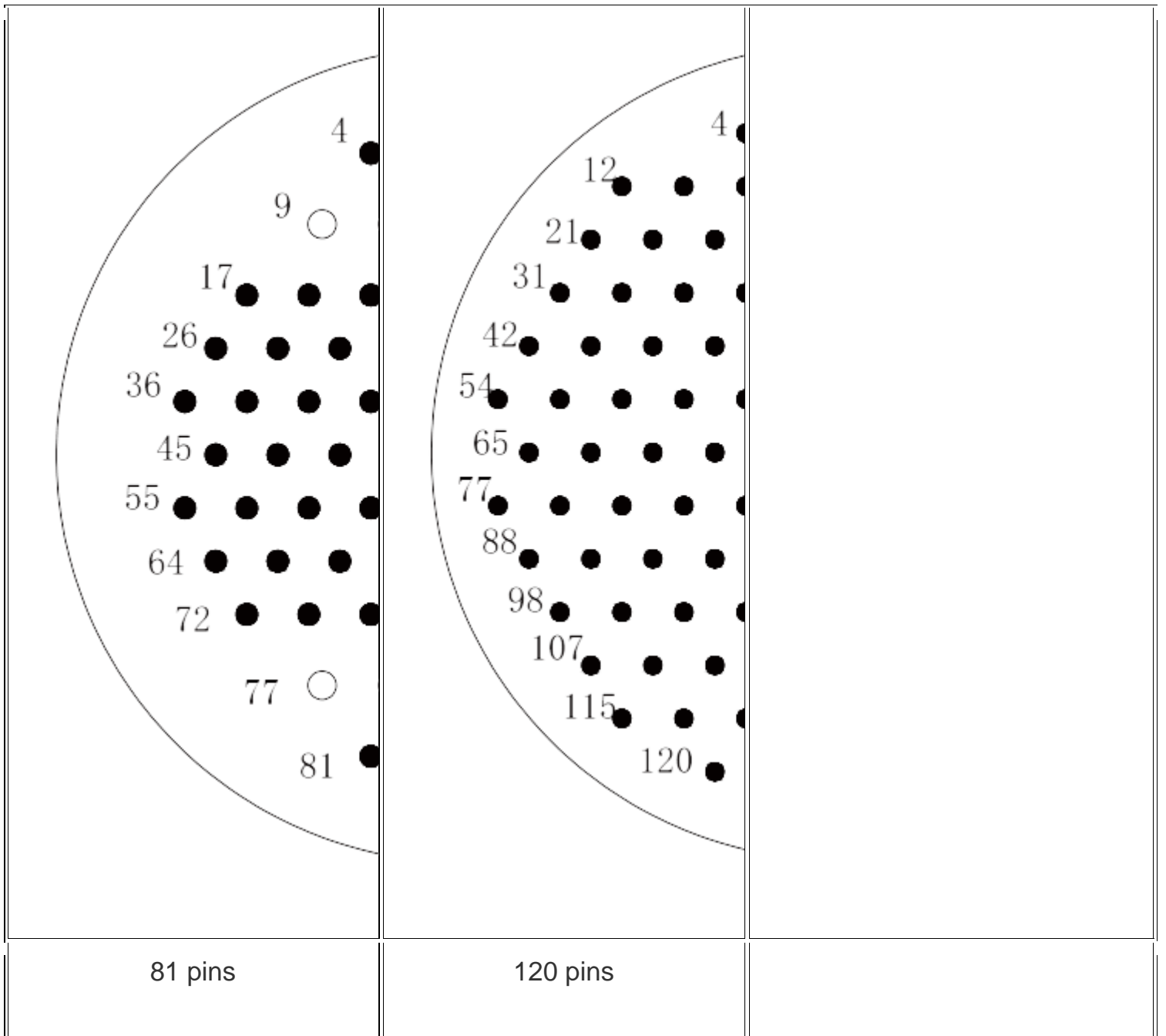


50 pins

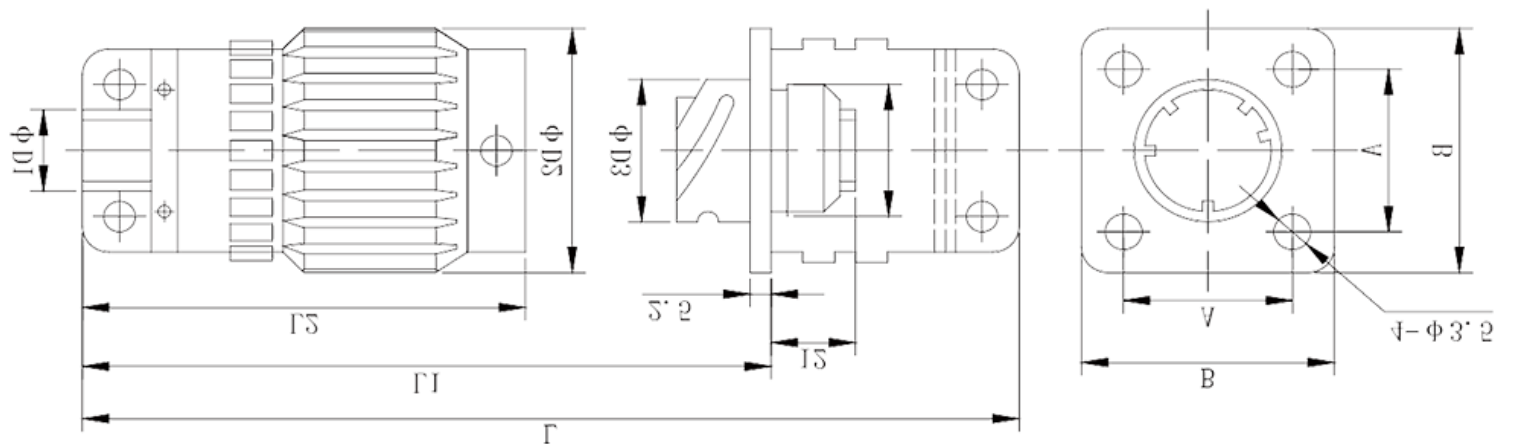


65 pins





**Product dimension**



Part.no	Mounting Dimension	Dimension







Y2-81ZJBM									
Y2-120TK									
Y2-120ZJLM	48~52	Φ40	M50*1	62.5	Φ60	Φ51.2	126	77	71
Y2-120ZJBM									

**Note:** Y2-3 core, 4-core, 5-core installation dimensions are equivalent to Y2-7 core installation dimensions, Y2-151 core installation dimensions are equivalent to Y2-120 core, LY2 series mounting size reference Y2 series.