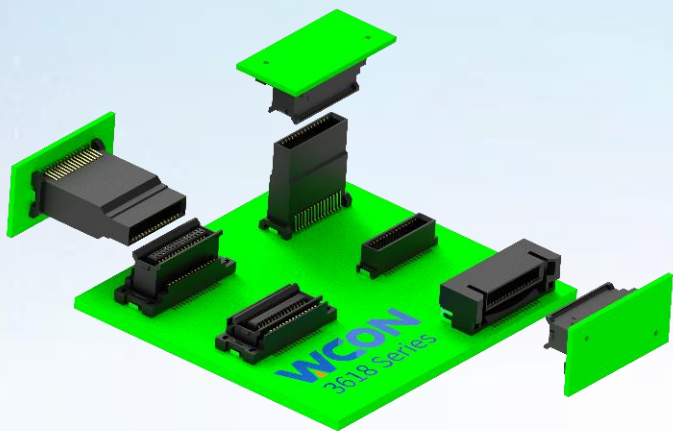


Floating Board to Board 3618 Series



The 0.80mm pitch 3618 series is a high-density, high-performance board-to-board connector that floats in X, Y, and Z axes to provide signal transmission to devices.

Specification

- Current Rating: 0.5A Max
- Voltage Rating: 50V AC
- Contact Resistance: 100mΩ Max
- Insulation Resistance: 500MΩ Min
- Withstanding Voltage: 250AC / 1 minute
- Operating Temperature: -40°C~+105°C

Material

- Housing: Thermoplastic 、UL94V-0
- Contact: Copper alloy
- Fix-lock: Copper alloy

Standard

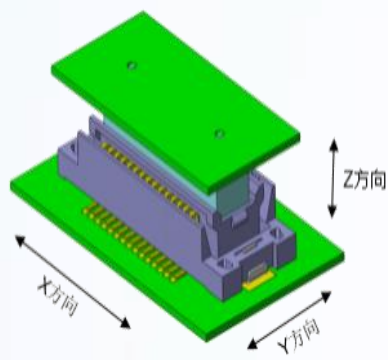
- QC/T 1067
- GB/T5095
- IEC60068

Key Features

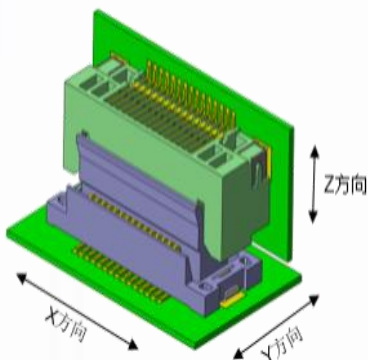
- Floatable in X, Y and Z axes
- Flexible stacking heights supports different mounting modes
- Post design ensures accurate location on PCB

Benefits

- Multiple pairs of connectors can be used on PCB
- Absorbing assembly errors, Reduces assembly cost
- Absorbing the stress caused by deviations. Reduces the stress on the mounting assembly



Parallel connection type



Vertical connection type

Axes	Floating range(mm)
+X	0.60
-X	0.60
+Y	0.60
-Y	0.60
+Z	0.50
-Z	0.50

Target Applications

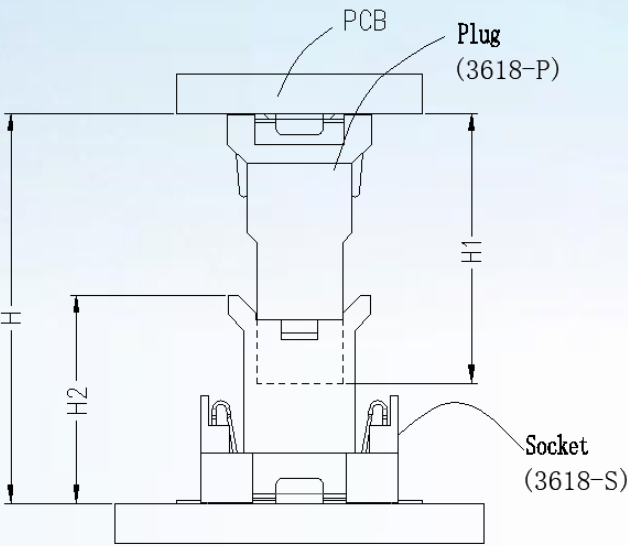


ADAS、Lidar、ECU

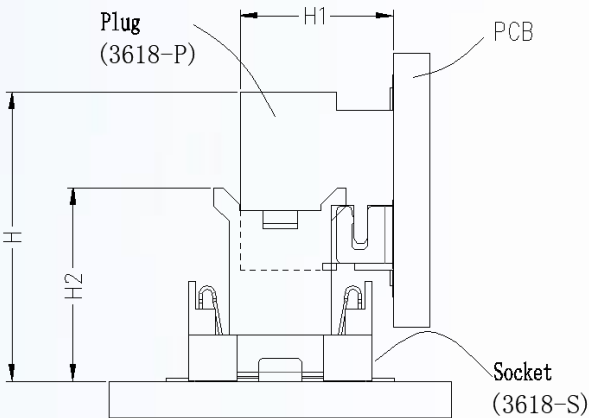


PLC、Robot Controller、servo drive

Available Stacking heights



Parallel connection type



Vertical connection type

Parallel connection type

Socket (H2)	Plug (H1)	Stacking (H)
4.95	4.80	6.25
	6.80	8.25
	7.80	9.25
	10.95	12.40
	13.05	14.50
	14.55	16.00
	15.80	17.25
	19.75	21.20
Socket (H2)	Plug (H1)	Stacking (H)
8.45	4.80	9.75
	6.80	11.75
	7.80	12.75
	10.95	15.90
	13.05	18.00
	14.55	19.50
	15.80	20.75
	19.75	24.70

Vertical connection type

Socket (H2)	Plug (H1)	Stacking (H)
8.45	6.70	11.85

Ordering Information

Part Number	Height (mm)	TYPE	Circuits									
			30	40	50	60	70	80	90	100	110	120
3618-SXXX-049MG*R0X	4.95	Socket vertical	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3618-SXXX-084MG*R0X	8.45	Socket vertical	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3618-PXXX-048MG*R0X	4.80	Plug vertical	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3618-PXXX-068MG*R0X	6.80	Plug vertical	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3618-PXXX-078MG*R0X	7.80	Plug vertical	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3618-PXXX-109MG*R0X	10.95	Plug vertical	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3618-PXXX-130MG*R0X	13.05	Plug vertical	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3618-PXXX-145MG*R0X	14.55	Plug vertical	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3618-PXXX-158MG*R0X	15.80	Plug vertical	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3618-PXXX-197MG*R0X	19.75	Plug vertical	✓	✓	✓	✓	✓	✓				
3618-PXXX-067ZG*R0X	6.70	Plug horizontal	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓