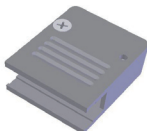
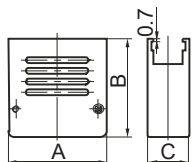
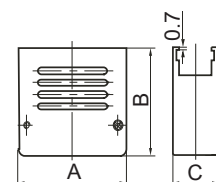
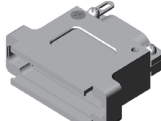
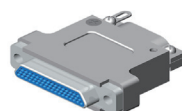
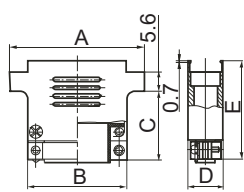


Type	A	B	Outline Dimensions	Assembly Picture	Matched with Locking Hardware
W	M2-6H	7.1			Q,Q0,Q2,Q3,Q4,Q5,Q7,Q8,Q9,Q10,Q11, Q14,Q15,Q17,Q23,Q25,Q29,Q32,Q35, Q36,Q37,Q41,Q42,Q43,Q45,Q46
W8	#2-56UNC-2A	7.1			Q1
W7	M2-6H	7.1			Q,Q0,Q2,Q3,Q4,Q5,Q7,Q8,Q9,Q10,Q11, Q14,Q15,Q17,Q23,Q25,Q29,Q32,Q35, Q36,Q37,Q41,Q42,Q43,Q45,Q46
W9					Q,Q0,Q2,Q3,Q4,Q5,Q7,Q8,Q9,Q10,Q11, Q14,Q15,Q17,Q23,Q25,Q29,Q32,Q35, Q36,Q37,Q41,Q42,Q43,Q45,Q46 Note: W9 is just suitable for R04JD series product.
N	M2-6H				Q,Q0,Q2,Q3,Q4,Q5,Q7,Q8,Q9,Q10,Q11, Q14,Q15,Q17,Q23,Q25,Q29,Q32,Q35, Q36,Q37,Q41,Q42,Q43,Q45,Q46
N1	#2-56UNC-2A				Q1

Type	A	B	C	Outline Dimensions	Assembly Picture	Matched with Locking Hardware	
Q	M2-6H	M2-6H	12.6			W, W7, W9, N	Note: Use with front panel mounting crimping connectors
Q1	#2-56UNC-2B	#2-56UNC-2A	12.6			W8, N1	
Q8	M2-6H	M2-6H	15.6			W,W7,W9,N	
Q9	M2-6H	M2-6H	21.6			W,W7,N	
Q0	4.1	0.6	12.6			W, W7, W9, N	Note: Use with rear panel mounting crimping connectors
Q3	3.3	1.4	12.6				
Q4	2.5	2.2	12.6				
Q11	1.3	3.4	12.6				
Q45	2.7	2	20				
Q29	M3-6H	10.5	3.3min			W,W7,W9,N	Note:1. Use with front panel mounting crimping connectors 2. For R04JS series
Q36	M3-6H	14.7	6min				
Q37	M2-6H	10	2.8min				
Q43	M3-6H	11.7	4min				
Q44	 Front Panel Mounting			 Rear Panel Mounting		Note: 1. No need to lock with free end locking hardware 2. Front panel mounting, "A" dimension is 2.5~3.5mm 3. Rear panel mounting, (1) Mated with connectors without locking hardware, "A" dimension is 3.5mm max (2) Mated with connectors with fixed end locking hardware, "A" dimension is 4.9mm minus 1.3mm (The distance between bolt and flange of connector)	

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R04J Series Cable Clamp

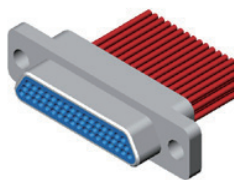
Type	Stereogram			Outline Dimensions			Using Conditions				
A1							1. For R04J Crimp Basic Type 2. For Free End Locking Hardware				
	Only A1 Cable Clamp	Plug With A1 Cable Clamp									
A2							For R04J-9~51PI/RH-Q8				
	Only A2 Cable Clamp	Plug With A2 Cable Clamp									
A3							1.For R04J Crimp Basic Type 2.For R04J Solder Cup Basic Type				
	Only A3 Cable Clamp	Plug With A3 Cable Clamp									
Pin Count	A1			A2			A3				
	A	B	C	A	B	C	A	B	C	D	E
9	9.9	23.6	10.4	11.7	22	13.4	19.6	9.9	18.2	10.4	27
15	13.8	23.8	10.4	15.6	22	13.4	23.5	13.8	18.2	10.4	27
21	17.6	23.6	10.4	19.4	22	13.4	27.4	17.6	19.2	10.4	28
25	20.2	23.6	10.4	22	22	13.4	29.8	20.2	19.2	10.4	28
31	24	23.6	10.4	25.8	22	13.4	33.6	24	19.2	10.4	28
37	27.8	23.6	10.4	29.6	22	13.4	37.4	27.8	19.2	10.4	28
51	26.6	26.6	11.2	28.4	22	14.6	36.4	26.6	21.2	11.2	30
66	33	26.6	11.2	---	---	---	42.9	29.1	21.2	11.2	30
74	29.1	30	12	---	---	---	38.8	29.1	21.2	12	30
100	40.7	30	12	---	---	---	54.7	40.7	21.2	12	30

Remark: All dimensions are in mm.

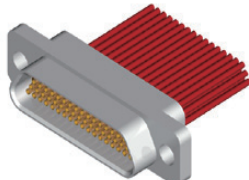


R04J Series Crimping Connectors - Standard Type

- **Contacts:** R04J- 9, 15, 21, 25, 31, 37, 51, 66, 74, 100 PI /RH(G)
- **Shell Plating:** Nickel or Cadmium



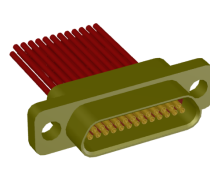
Plug:PI



Receptacle:RH

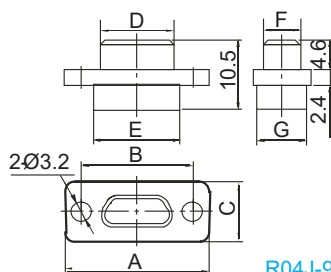


Plug:PIG

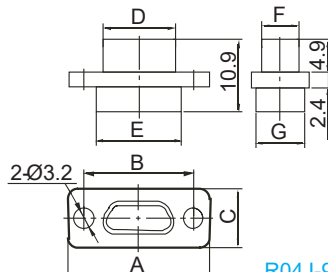


Receptacle:RHG

Outline Dimensions



R04J-9~100PI

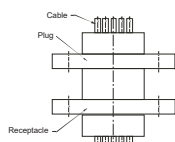


R04J-9~100RH

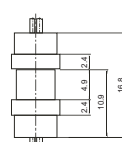
Part Number	A	B	C	D	E	F	G
R04J-9PI/PIG	19.6	14.3	7.6	8.3	9.9	4.7	6.8
R04J-15PI/PIG	23.5	18.2	7.6	12.3	13.8	4.7	6.8
R04J-21PI/PIG	27.4	22	7.6	16	17.6	4.7	6.8
R04J-25PI/PIG	29.8	24.5	7.6	18.6	20.2	4.7	6.8
R04J-31PI/PIG	33.6	28.3	7.6	22.4	24	4.7	6.8
R04J-37PI/PIG	37.4	32.2	7.6	26.3	27.8	4.7	6.8
R04J-51PI/PIG	36.4	30.86	8.7	25	26.6	5.8	7.9
R04J-66PI/PIG	42.9	37.3	8.7	31.4	33	5.8	7.9
R04J-74PI/PIG	38.8	33.5	9.7	27.5	29.1	6.8	9.1
R04J-100PI/PIG	54.7	45.7	9.7	35	36.6	6.8	9.1
R04J-9RH/RHG	19.6	14.3	7.6	9.8	9.9	6.1	6.8
R04J-15RH/RHG	23.5	18.2	7.6	13.7	13.8	6.1	6.8
R04J-21RH/RHG	27.4	22	7.6	17.4	17.6	6.1	6.8
R04J-25RH/RHG	29.8	24.5	7.6	20	20.2	6.1	6.8
R04J-31RH/RHG	33.6	28.3	7.6	23.8	24	6.1	6.8
R04J-37RH/RHG	37.4	32.2	7.6	27.7	27.8	6.1	6.8
R04J-51RH/RHG	36.4	30.86	8.7	26.5	26.6	7.2	7.9
R04J-66RH/RHG	42.9	37.3	8.7	32.9	33	7.2	7.9
R04J-74RH/RHG	38.8	33.5	9.7	29	29.1	8.3	9.1
R04J-100RH/RHG	54.7	45.7	9.7	36.6	36.65	8.2	9.1

Remark: All dimensions are in mm.

Outline Dimensions After Mating (Without Cable Clamp)



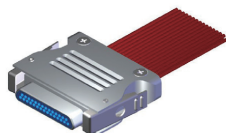
The Main View



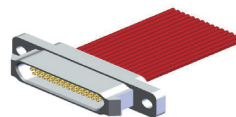
The Left View

R04JA Series Crimping Connectors

- With Fast Lock Function
- **Termination Type:** Crimp Contact
- **Contacts:** R04JA-9, 15, 21, 25, 31, 37, 51, 66, 74, 100PI/RH

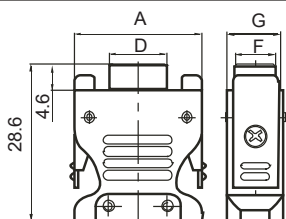


Plug:PI

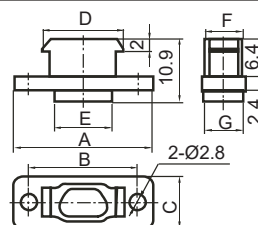


Receptacle:RH

Outline Dimensions



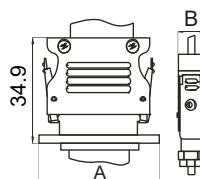
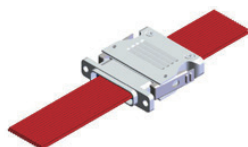
R04JA-9~100PI



R04JA-9~100RH

Part Number	A	D	F	G	Part Number	A	B	C	D	E	F	G
R04JA-9PI	18.2	8.4	4.7	8.1	R04JA-9RH	23.4	18.6	7.6	14.3	9.8	6.5	6.8
R04JA-15PI	22.1	12.3	4.7	8.1	R04JA-15RH	27.4	22.6	7.6	18.3	13.8	6.5	6.8
R04JA-21PI	25.8	16	4.7	8.1	R04JA-21RH	31.1	26.3	7.6	22	17.5	6.5	6.8
R04JA-25PI	28.4	18.6	4.7	8.1	R04JA-25RH	33.7	28.9	7.6	24.6	20.1	6.5	6.8
R04JA-31PI	32.2	22.4	4.7	8.1	R04JA-31RH	37.5	32.7	7.6	28.4	24.1	6.5	6.8
R04JA-37PI	36	26.3	4.7	8.1	R04JA-37RH	41.4	36.6	7.6	32.3	27.8	6.5	6.8
R04JA-51PI	34.8	25	5.8	10	R04JA-51RH	40.1	35.3	8.7	31	26.5	7.6	7.9
R04JA-74PI	37.3	27.5	6.8	11	R04JA-74RH	42.6	37.8	9.8	33.5	29	8.7	9
R04JA-100PI	44.8	35	6.8	11	R04JA-100RH	50.1	45.3	9.8	41	36.5	8.7	9

Outline Dimensions After Mating



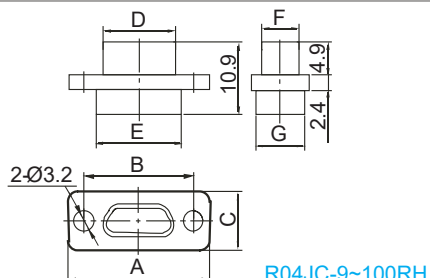
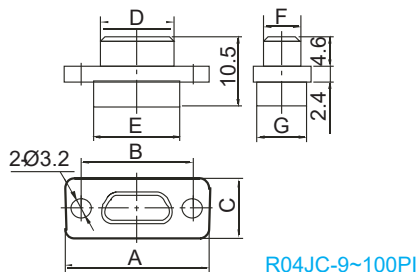
Part Number	A	B	Part Number	A	B
R04JA-9PI/RH	23.4	8.1	R04JA-37PI/RH	41.4	8.1
R04JA-15PI/RH	27.4	8.1	R04JA-51PI/RH	40.1	10
R04JA-21PI/RH	31.1	8.1	R04JA-74PI/RH	42.6	11
R04JA-25PI/RH	33.7	8.1	R04JA-100PI/RH	50.1	11
R04JA-31PI/RH	37.5	8.1			



R04JC Series Crimping Connectors

- Sn-P Bronze Shell, Nickel Plating
- **Contacts:** R04JC- 9, 15, 21, 25, 31, 37, 51, 66, 74, 100PI/RH
- **Outline Dimensions:** Same as R04J Crimping Connectors Standard Type

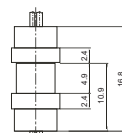
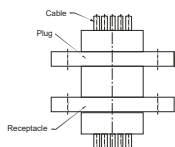
Outline Dimensions



Part Number	A	B	C	D	E	F	G
R04JC-9PI	19.6	14.3	7.6	8.3	9.9	4.7	6.8
R04JC-15PI	23.5	18.2	7.6	12.3	13.8	4.7	6.8
R04JC-21PI	27.4	22	7.6	16	17.6	4.7	6.8
R04JC-25PI	29.8	24.5	7.6	18.6	20.2	4.7	6.8
R04JC-31PI	33.6	28.3	7.6	22.4	24	4.7	6.8
R04JC-37PI	37.4	32.2	7.6	26.3	27.8	4.7	6.8
R04JC-51PI	36.4	30.86	8.7	25	26.6	5.8	7.9
R04JC-66PI	42.9	37.3	8.7	31.4	33	5.8	7.9
R04JC-74PI	38.8	33.5	9.7	27.5	29.1	6.8	9.1
R04JC-100PI	54.7	45.7	9.7	35	36.6	6.8	9.1
R04JC-9RH	19.6	14.3	7.6	9.8	9.9	6.1	6.8
R04JC-15RH	23.5	18.2	7.6	13.7	13.8	6.1	6.8
R04JC-21RH	27.4	22	7.6	17.4	17.6	6.1	6.8
R04JC-25RH	29.8	24.5	7.6	20	20.2	6.1	6.8
R04JC-31RH	33.6	28.3	7.6	23.8	24	6.1	6.8
R04JC-37RH	37.4	32.2	7.6	27.7	27.8	6.1	6.8
R04JC-51RH	36.4	30.86	8.7	26.5	26.6	7.2	7.9
R04JC-66RH	42.9	37.3	8.7	32.9	33	7.2	7.9
R04JC-74RH	38.8	33.5	9.7	29	29.1	8.3	9.1
R04JC-100RH	54.7	45.7	9.7	36.6	36.65	8.2	9.1

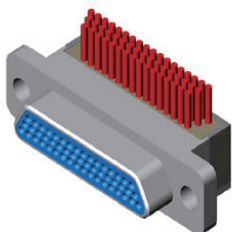
Remark: All dimensions are in mm.

Outline Dimensions After Mating (Without Cable Clamp)

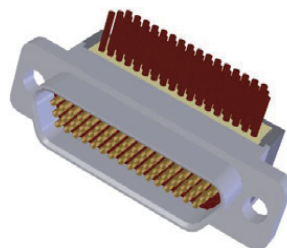


R04J Series Crimping Connectors - Extended Type C

- The Outlet Direction of Cable is Vertical to The Contacts, Crimp Termination
- **Contacts:** R04J- 9, 15, 21, 25, 31, 37, 51, 66, 74, 100 PI/RH-C

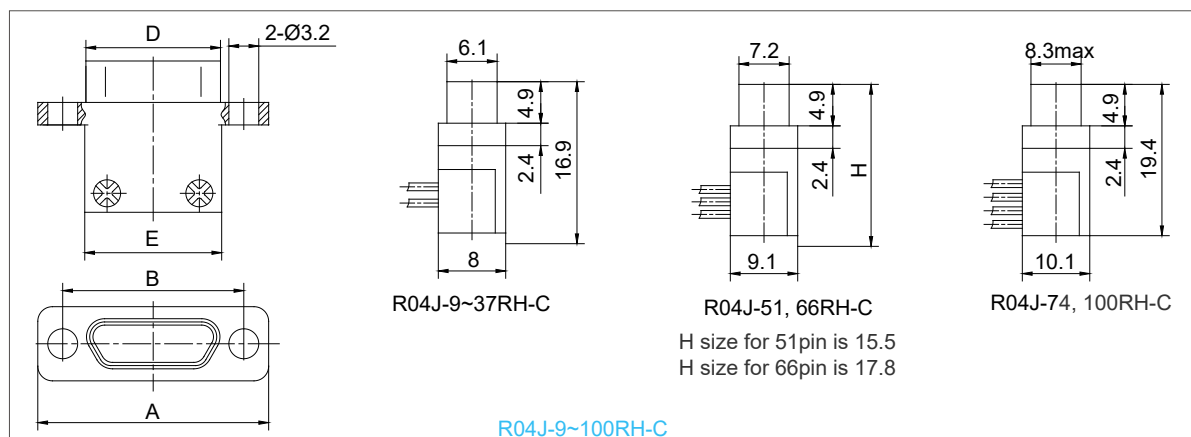
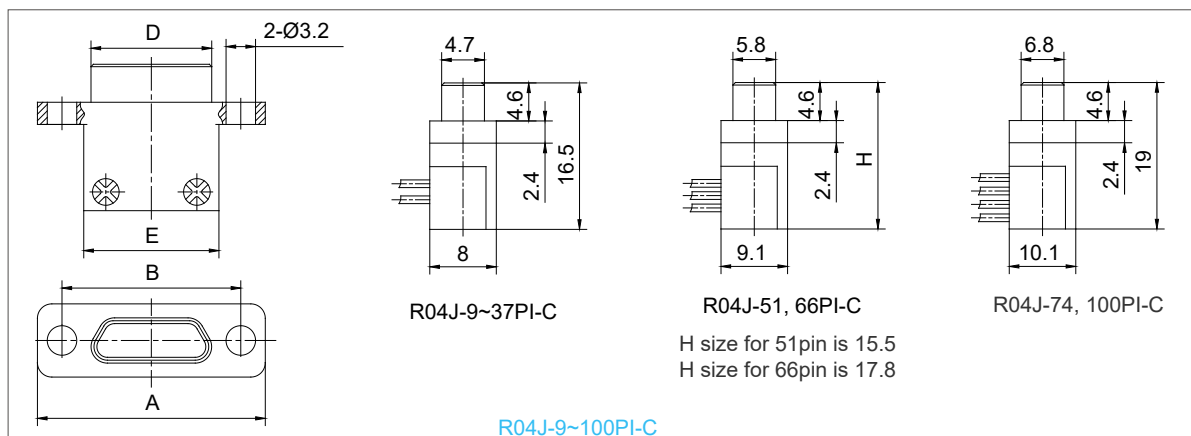


Plug:PI-C



Receptacle:RH-C

Outline Dimensions



Part Number	A	B	D		E
			PI-C	RH-C	
R04J-9PI/RH-C	19.6	14.3	8.3	9.8	9.9
R04J-15PI/RH-C	23.5	18.2	12.3	13.7	13.8
R04J-21PI/RH-C	27.4	22	16	17.4	17.6
R04J-25PI/RH-C	29.8	24.5	18.6	20	20.2
R04J-31PI/RH-C	38.6	28.3	22.4	23.8	24
R04J-37PI/RH-C	37.4	32.2	26.3	27.7	27.8
R04J-51PI/RH-C	36.4	30.86	25	26.5	26.6
RD4J-66PI/RH-C	42.9	37.3	31.4	32.9	33
RD4J-74PI/RH-C	38.8	33.5	27.5	29	29.1
R04J-100PI/RH-C	54.7	45.7	35	36.6	36.6

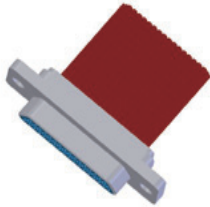
Remark: 1.All dimensions are in mm.

2.The outlet direction of cable for R04J-9~100PI-C is opposite to R04J-9~100RH-C.



R04J Series Crimping Connectors - Extended Type Q8

- The Sizes of Flange and Assembly Hole are Enlarged
- **Contacts:** R04J- 9, 15, 21, 25, 31, 37, 51, 66, 74, 100PI/RH-Q8

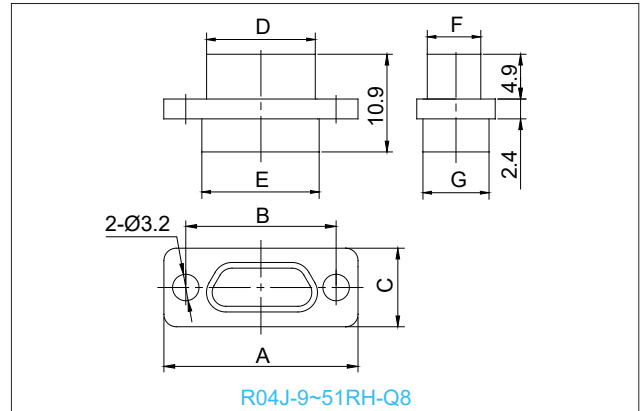
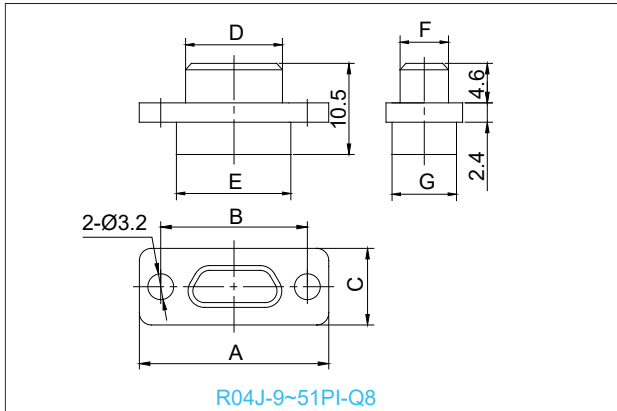


Plug:PI-Q8



Receptacle:RH-Q8

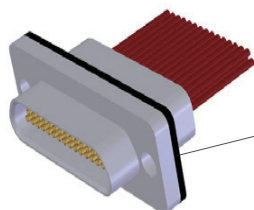
Outline Dimensions



Part Number	A	B	C	D		E	F		G
				PI-Q8	RH-Q8		PI-Q8	RH-Q8	
R04J-9PI/RH-Q8	21.4	16.1	11.6	8.3	9.8	11.7	4.7	6.1	6.8
R04J-15PI/RH-Q8	25.3	20	11.6	12.3	13.7	15.6	4.7	6.1	6.8
R04J-21PI/RH-Q8	29.2	23.8	11.6	16	17.4	19.4	4.7	6.1	6.8
R04J-25PI/RH-Q8	31.6	26.3	11.6	18.6	20	22	4.7	6.1	6.8
R04J-31PI/RH-Q8	35.4	30.1	11.6	22.4	23.8	25.8	4.7	6.1	6.8
R04J-37PI/RH-Q8	39.2	34	11.6	26.3	27.7	29.6	4.7	6.1	6.8
R04J-51PI/RH-Q8	38.2	32.6	12.6	25	26.5	28.4	5.8	7.2	7.9

Remark: All dimensions are in mm.

R04J Series Crimping Connectors- Glue Sealing Type R04JS

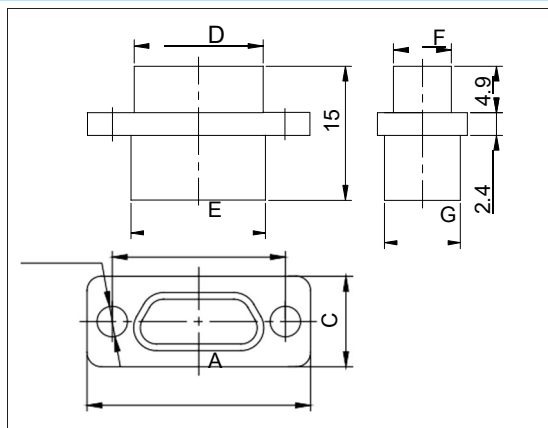


Sealing Cushion

Receptacle: R04JS-RH

- Glue Sealing
- With A Sealing Cushion, Thickness: 1mm
- **Termination Type:** Crimp Contact
- **The Air Leakage Rate:** $5 \times 10^{-2} \text{Pa} \cdot \text{CM/s}^3$
- **Insulation Resistance:** $\geq 2000 \text{M}\Omega$
- **Contacts:**
R04JS-9, 15, 21, 25, 31, 37, 51, 66, 74, 100RH

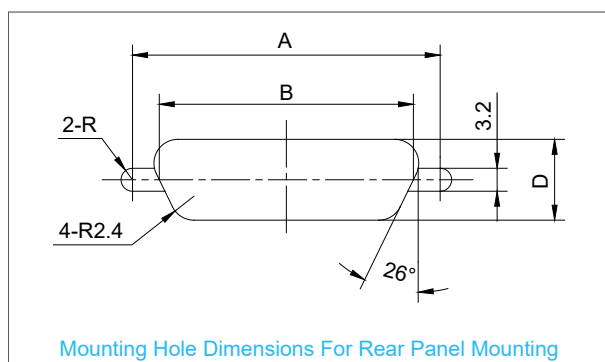
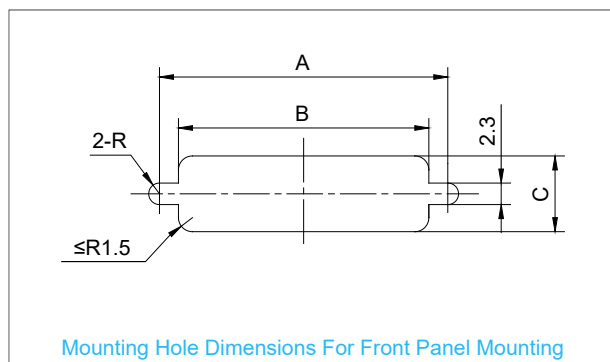
Outline Dimensions



Part Number	A	B	C	D	E	F	G
R04JS-9RH	19.6	14.3	12	9.8	9.9	6.1	6.8
R04JS-15RH	23.5	18.2	12	13.7	13.8	6.1	6.8
R04JS-21RH	27.4	22	12	17.4	17.6	6.1	6.8
R04JS-25RH	29.8	24.5	12	20	20.2	6.1	6.8
R04JS-31RH	33.6	28.3	12	23.8	24	6.1	6.8
R04JS-37RH	37.4	32.2	12	27.7	27.8	6.1	6.8
R04JS-51RH	36.4	30.86	13	26.5	26.6	7.2	7.9
R04JS-74RH	38.8	33.5	14	29	29.1	8.3	9.1
R04JS-100RH	54.7	45.7	14	36.65	36.8	3.2	9.1

R04J Series Crimping Connectors - Mounting Hole Dimensions

- **Suitable For Product:** R04J-*PI/RH, R04J-*PIG/RHG, R04JC-*PI/RH



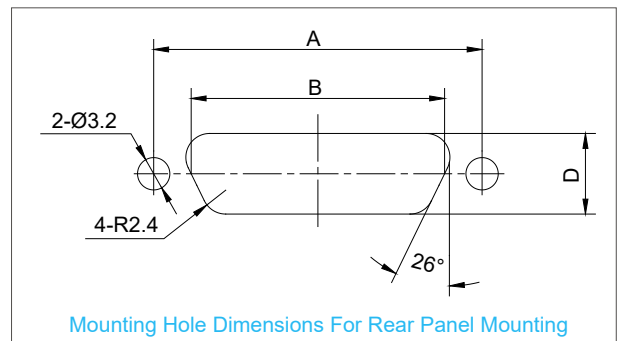
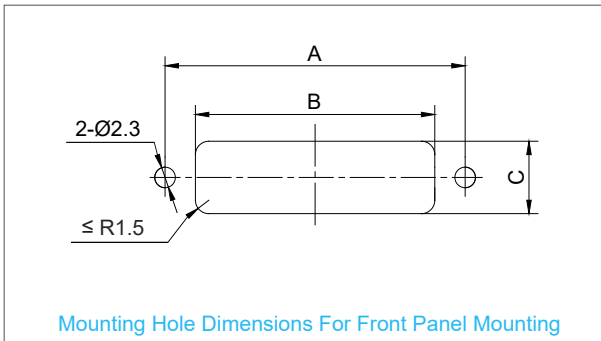
Pin Count	A	B	C	D	Pin Count	A	B	C	D
9	14.3	10.2	7	6.3	37	32.2	28.1	7	6.3
15	18.2	14.1	7	6.3	51	30.86	26.9	8.1	7.4
21	22	17.9	7	6.3	66	37.3	33.4	8.1	7.4
25	24.5	20.5	7	6.3	74	33.5	29.4	9.3	8.6
31	28.3	24.3	7	6.3	100	45.7	37	9.3	8.6

Remark: 1. R04JS is sealing product, we suggest using non-through threaded mounting hole for front panel mounting.
2. All dimensions are in mm.



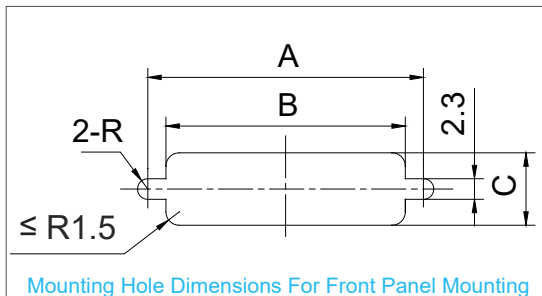
R04J Series Crimping Connectors - Mounting Hole Dimensions

■ Suitable For Product: R04J-*PI/RH-Q8



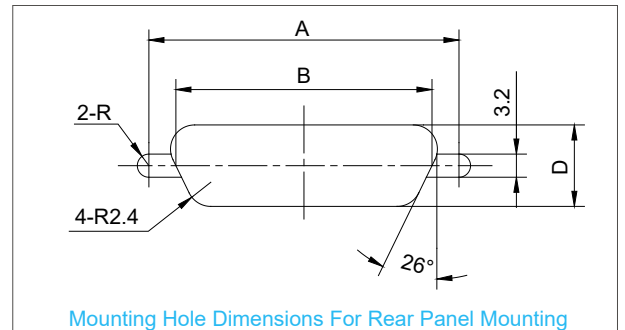
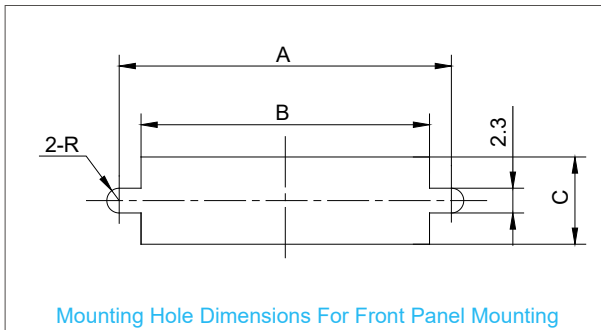
Pin Count	A	B	C	D	Pin Count	A	B	C	D
9	16.1	12	7	6.3	31	30.1	26.1	7	6.3
15	20	15.9	7	6.3	37	34	29.9	7	6.3
21	23.8	19.7	7	6.3	51	32.6	28.7	8.1	7.4
25	26.3	22.3	7	6.3					

■ Suitable For Product: R04JA-*RH



Pin Count	A	B	C	Pin Count	A	B	C
9	18.6	10.2	7	37	36.6	28.1	7
15	22.6	14.1	7	51	35.3	26.9	8.1
21	26.3	17.9	7	74	37.8	29.4	9.3
25	28.9	20.5	7	100	45.3	37	9.3
31	32.7	24.3	7				

■ Suitable For Product: R04J-*PI/RH-C

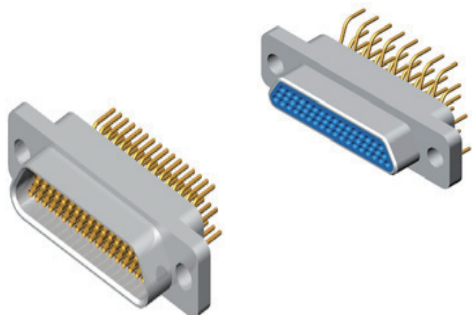


Pin Count	A	B	C	D	Pin Count	A	B	C	D
9	14.3	10.2	8.2	6.3	37	32.2	28.1	8.2	6.3
15	18.2	14.1	8.2	6.3	51	30.86	26.9	9.3	7.4
21	22	17.9	8.2	6.3	66	37.3	33.4	9.3	7.4
25	24.5	20.5	8.2	6.3	74	33.5	29.4	10.3	8.6
31	28.3	24.3	8.2	6.3	100	45.7	37	10.3	8.6

Remark: All dimensions are in mm.

MIL-DTL-83513 Micro-D Connectors

R04J Series Straight to PCB Connectors



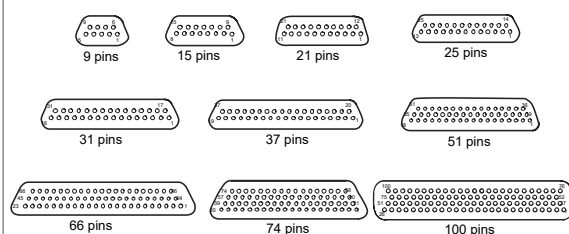
Brief Introduction

- Micro-D Connectors
- Twist Pin Contacts, High Density
- Metal Shell, Nickel or Cadmium Plating
- Straight to PCB Connectors
- Meets MIL-DTL-83513

Specifications

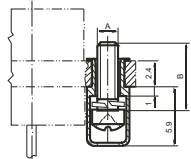
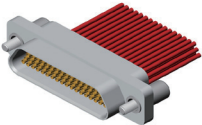
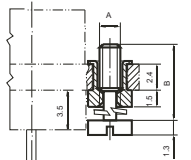
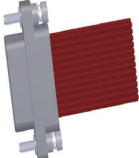
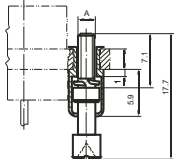
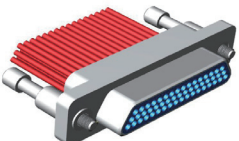
- Environment Temperature: -55°C~+125°C
- Vibration: 10Hz~2000Hz, 196m/s²
- Random Vibration: Power spectrum density 0.4G²/Hz
root mean square value of total acceleration 23.1G
- Shock: 735m/s² 11ms
- Rated Current: 3A
- Contact Resistance: ≤10mΩ
- Insulation Resistance: ≥5000MΩ
- Dielectric Strength: 800V
- Durability: 500 times

Contact Arrangements



How To Order

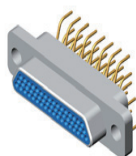
Sample Part Number	R04J	-25	PI	S	4	Q5	G	-J
Series: R04J—Standard Type R04JA—Fast Lock Type								
Contact Number: 9, 15, 21, 25, 31, 37, 51, 66, 74, 100pins								
Contact Type : PI—Pin in Plug RH—Socket in Receptacle								
Tail Termination Type: S—Straight to PCB								
Tail Length : 3—6.7mm 8—8mm								
Locking Hardware Type: Q5—Locking Hardware Type (See page 51)								
Shell Material and Finish : G—Aluminum Shell, Cadmium Plating								
PCB Layout : J—1.27*2.54mm								

Type	A	B	Outline Dimensions	Assembly Picture	Matched with Locking Hardware
W	M2-6H	7.1			Q,Q0,Q2,Q3,Q4,Q5,Q7,Q8,Q9,Q10,Q11, Q14,Q15,Q17,Q23,Q25,Q29,Q32,Q35, Q36,Q37,Q41,Q42,Q43,Q45,Q46
W8	#2-56UNC-2A	7.1			Q1
W7	M2-6H	7.1			Q,Q0,Q2,Q3,Q4,Q5,Q7,Q8,Q9,Q10,Q11, Q14,Q15,Q17,Q23,Q25,Q29,Q32,Q35, Q36,Q37,Q41,Q42,Q43,Q45,Q46
N	M2-6H				Q,Q0,Q2,Q3,Q4,Q5,Q7,Q8,Q9,Q10,Q11, Q14,Q15,Q17,Q23,Q25,Q29,Q32,Q35, Q36,Q37,Q41,Q42,Q43,Q45,Q46
N1	#2-56UNC-2A				Q1

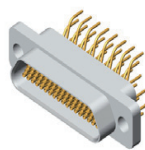
Type	A	B	C	PCB Thickness	Outline Dimensions	Assembly Picture	Matched with Locking Hardware
Q5	5.7	5.9	18.6	1.6~2.5			W, W7, W9, N Note: Use with front panel mounting straight to PCB connectors
Q10	8	8.4	20.5	1.6~2.5			
Q25	5.7	5.9	20.5	1.6~2.5			
	8	5.9	20.5	1.6~2.5			
Q23	5.7	5.9	17.8	1.6			
Q32	2.7	2		1.6~2.5			W, W7, W9, N Note: Use with rear panel mounting straight to PCB connectors
Q41	3.2	1.5		1.6~2.5			
Q17	5.7			1.6~3			W, W7, W9, N
	7.2			1.6~4.5			
V				≤2.5			Note: No need to lock with free end locking hardware

Remark: 1. Fixed end locking hardware apply to fix the connectors on the mounting panels or the PCB. Most fixed end locking hardware can be mated with free end locking hardware, but a little can not. (eg. V)
2. All dimensions are in mm.

R04J Series Straight To PCB Connectors - Basic Type



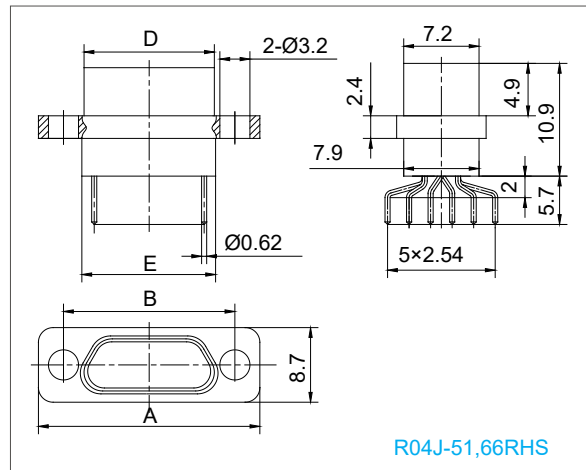
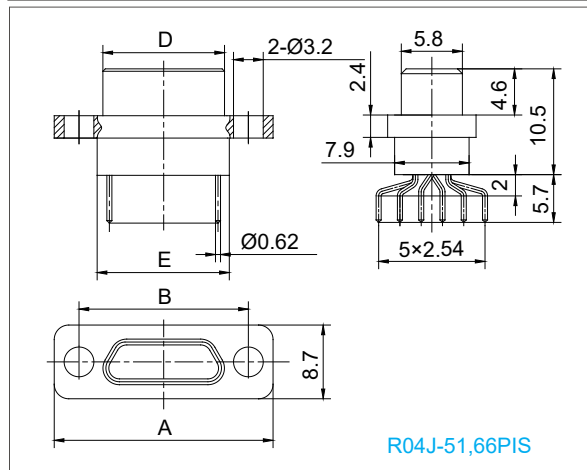
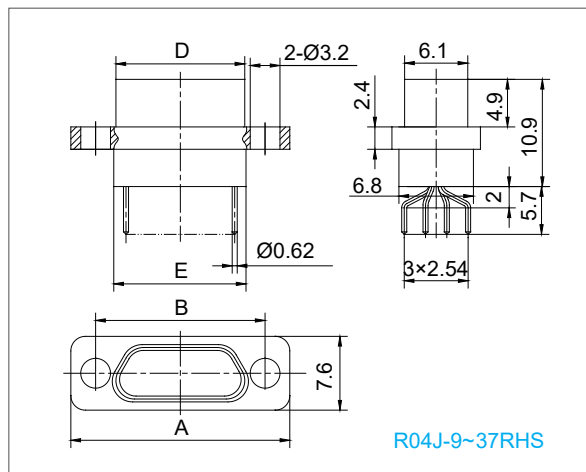
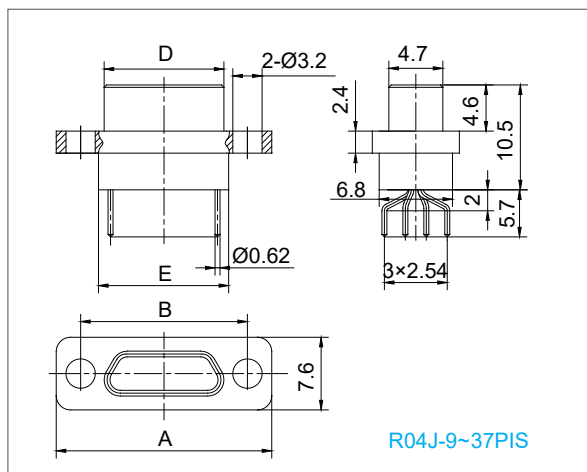
Plug:PIS



Receptacle:RHS

- **Shell Plating:** Nickel or Cadmium
- **PCB Layout:** 2.54*2.54mm
- **Contacts:**
R04J- 9, 15, 21, 25, 31, 37, 51, 66PIS/RHS

Outline Dimensions

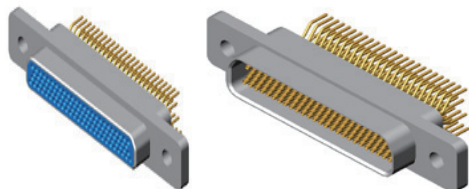


Part Number	A	B	D		E
			PIS	RHS	
R04J-9PIS/RHS	19.6	14.3	8.3	9.8	9.9
R04J-15PIS/RHS	23.5	18.2	12.3	13.7	13.8
R04J-21PIS/RHS	27.4	22	16	17.4	17.6
R04J-25PIS/RHS	29.8	24.5	18.6	20	20.2
R04J-31PIS/RHS	33.6	28.3	22.4	23.8	24
R04J-37PIS/RHS	37.4	32.2	26.3	27.7	27.8
R04J-51PIS/RHS	36.4	30.86	25	26.5	26.6
R04J-66PIS/RHS	42.9	37.3	31.4	32.9	33

Remark: All dimensions are in mm.



R04J Series Straight To PCB Connectors - Type J

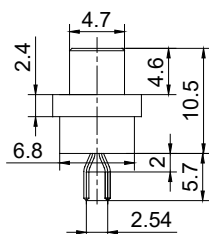
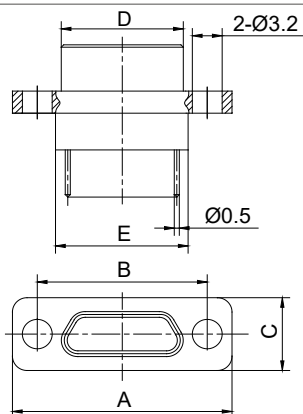


Plug:PIS-J

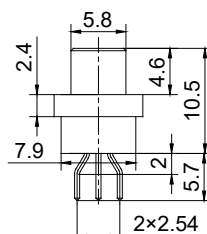
Receptacle:RHS-J

- **Shell Plating:** Nickel or Cadmium
- **PCB Layout:** 1.27*2.54mm
- **Contacts:**
R04J- 9, 15, 21, 25, 31, 37, 51, 66, 74, 100PI/RHS-J

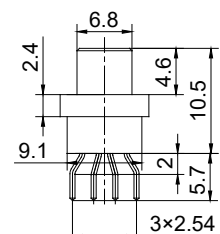
Outline Dimensions



R04J-9~37PIS-J

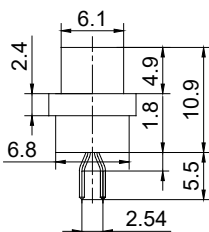
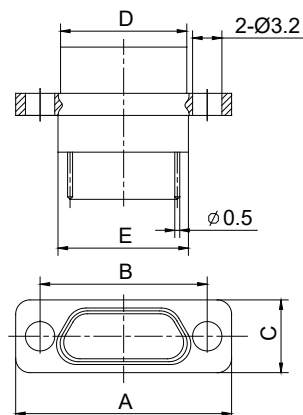


R04J-51,66PIS-J

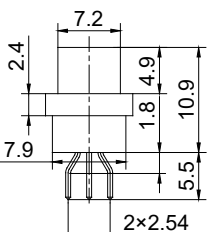


R04J-74,100PIS-J

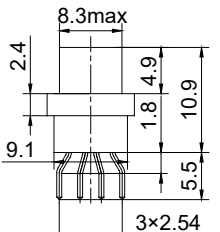
R04J-9~100PIS-J



R04J-9~37RHS-J



R04J-51,66RHS-J



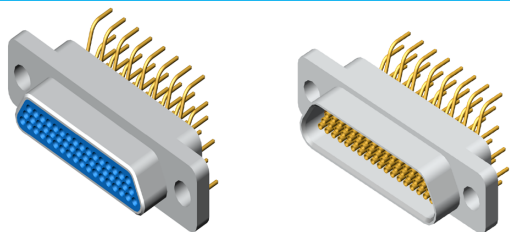
R04J-74,100RHS-J

R04J-9~100RHS-J

Part number	A	B	C	D		E
				PIS-J	RHS-J	
R04J-9PI/RHS-J	19.6	14.3	7.6	8.3	9.8	9.9
R04J-15PI/RHS-J	23.5	18.2	7.6	12.3	13.7	13.8
R04J-21PI/RHS-J	27.4	22	7.6	16	17.4	17.6
R04J-25PI/RHS-J	29.8	24.5	7.6	18.6	20	20.2
R04J-31PI/RHS-J	33.6	28.3	7.6	22.4	23.8	24
R04J-37PI/RHS-J	37.4	32.2	7.6	26.3	27.7	27.8
R04J-51PI/RHS-J	36.4	30.86	8.7	25	26.5	26.6
R04J-66PI/RHS-J	42.9	37.3	8.7	31.4	32.9	33
R04J-74PI/RHS-J	38.8	33.5	9.7	27.5	29	29.1
R04J-100PI/RHS-J	54.7	45.7	9.7	35	36.6	36.6

Remark: All dimensions are in mm.

R04J Series Straight To PCB Connectors Basic Type--PCB Tail Length

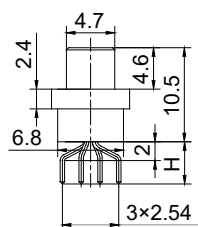
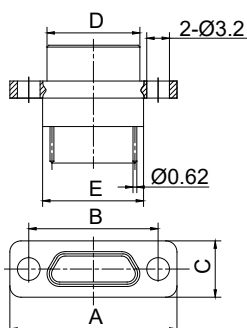


Plug: PIS3/S4/S8

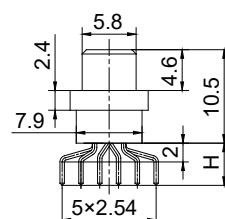
Receptacle: RHS3/S4/S8

- **Shell Plating:** Nickel or Cadmium
- **PCB Layout:** 2.54*2.54mm
- **Contacts:**
R04J- 9, 15, 21, 25, 31, 37, 51PIS4/S8
R04J- 9, 15, 21, 25, 31, 37, 51RHS3/S4
- **PCB Tail Length:** 6.7mm, 7.2mm, 8mm

Outline Dimensions

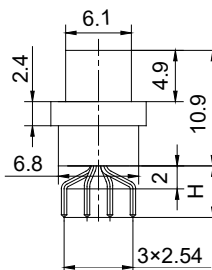
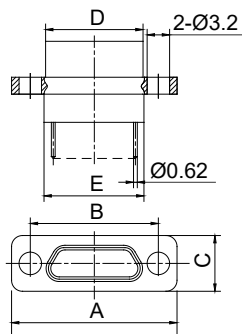


R04J-9~37PIS4/S8

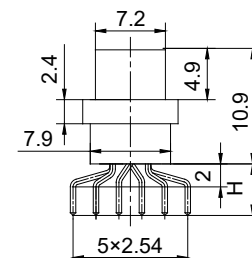


R04J-51PIS4/S8

R04J-9~51PIS4/S8



R04J-9~37RHS3/S4



R04J-51RHS3/S4

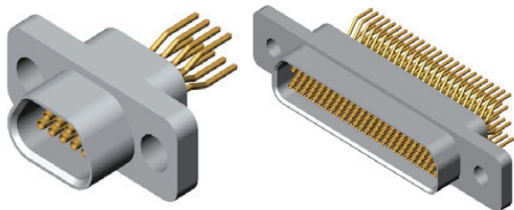
R04J-9~51RHS3/S4

Pin Count	A	B	C	D	E	H		
						S3	S4	S8
9	19.6	14.3	7.6	8.3	9.9	6.7	7.2	8
15	23.5	18.2	7.6	12.3	13.8	6.7	7.2	8
21	27.4	22	7.6	16	17.6	6.7	7.2	8
25	29.8	24.5	7.6	18.6	20.2	6.7	7.2	8
31	33.6	28.3	7.6	22.4	24	6.7	7.2	8
37	37.4	32.2	7.6	26.3	27.8	6.7	7.2	8
51	36.4	30.86	8.7	25	26.6	6.7	7.2	Without

Remark: All dimensions are in mm.



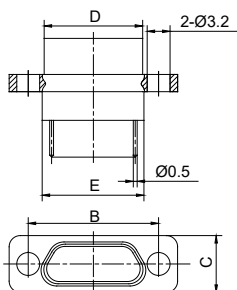
R04J Series Straight To PCB Connectors Type J--PCB Tail Length



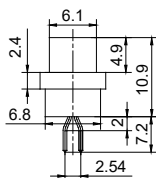
Receptacle: RHS4-J

- **Shell Plating:** Nickel or Cadmium
- **PCB Layout:** 1.27*2.54mm
- **PCB Tail Length:** 7.2mm
- Receptacle Connectors
- **Contact:**
R04J-9, 15, 21, 25, 31, 37, 51, 66, 74, 100RHS4-J

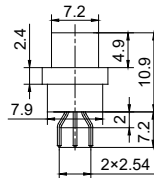
Outline Dimensions



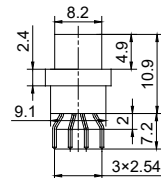
R04J-9~100RHS4-J



R04J-9~37RHS4-J



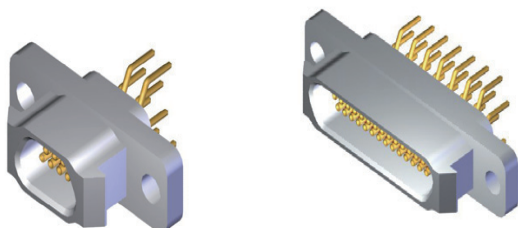
R04J-51,66RHS4-J



R04J-74,100RHS4-J

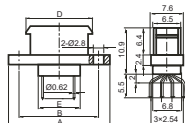
Part Number	A	B	C	D	E
R04J-9RHS4-J	19.6	14.3	7.6	9.8	9.9
R04J-15RHS4-J	23.5	18.2	7.6	13.7	13.8
R04J-21RHS4-J	27.4	22	7.6	17.4	17.6
R04J-25RHS4-J	29.8	24.5	7.6	20	20.2
R04J-31RHS4-J	33.6	28.3	7.6	23.8	24
R04J-37RHS4-J	37.4	32.2	7.6	27.7	27.8
R04J-51RHS4-J	36.4	30.86	8.7	26.5	26.6
R04J-66RHS4-J	42.9	37.3	8.7	32.9	33
R04J-74RHS4-J	38.8	33.5	9.7	29	29.1
R04J-100RHS4-J	54.7	45.7	9.7	36.6	36.6

R04J Series Straight To PCB Connectors - Fast Lock Type R04JA

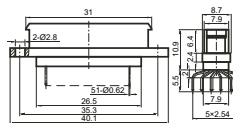


- **Shell Plating:** Nickel or Cadmium
- **PCB Layout:** 2.54*2.54mm
- With Fast Lock Function
- Receptacle Connectors
- **Contacts:**
R04JA- 9, 15, 21, 25, 31, 37, 51RHS

Outline Dimensions



R04JA-9~37RHS



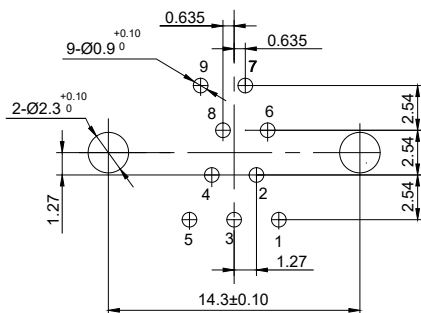
R04JA-51RHS

Part Number	A	B	D	E
R04JA-9RHS	23.4	18.6	14.8	9.8
R04JA-15RHS	27.4	22.6	18.3	13.8
R04JA-21RHS	31.1	26.3	22	17.5
R04JA-25RHS	33.7	28.9	24.6	20.1
R04JA-31RHS	37.5	32.7	28.4	24.1
R04JA-37RHS	41.4	36.6	32.3	27.8

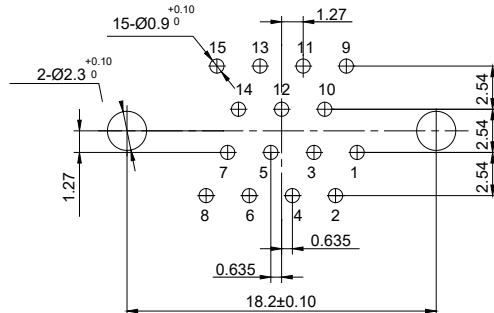
Remark: All dimensions are in mm.

R04J Series Straight to PCB Connectors Basic Type--PCB Layout

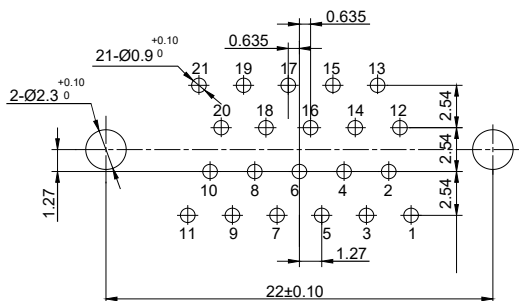
- Patterns Shown are for Connectors Mounting Side of PC Board
- PCB Layout: 2.54*2.54mm
- Plug Connectors: R04J-9~66PIS/S4/S8



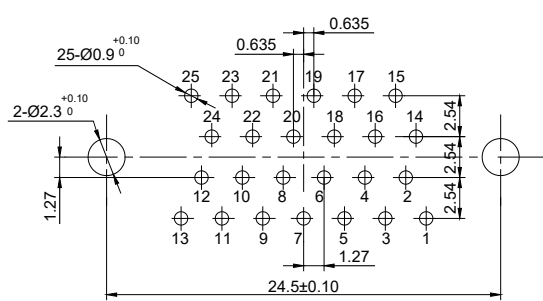
R04J-9PIS/S4/S8



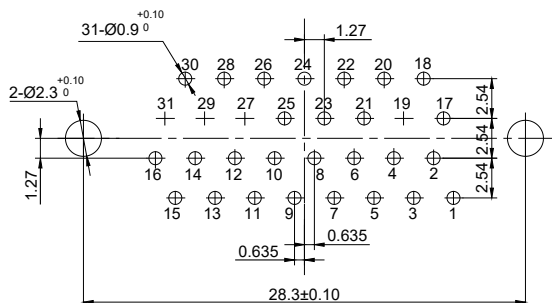
R04J-15PIS/S4/S8



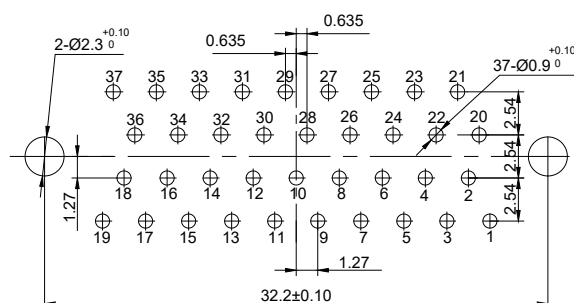
R04J-21PIS/S4/S8



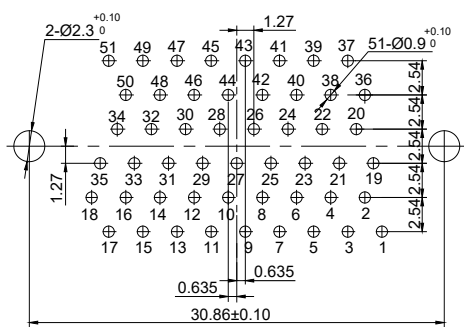
R04J-25PIS/S4/S8



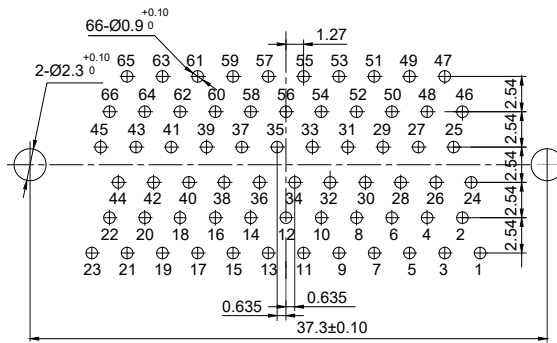
R04J-31PIS/S4/S8



R04J-37PIS/S4/S8



R04J-51PIS/S4/S8



R04J-66PIS/S4/S8

Remark: All dimensions are in mm.

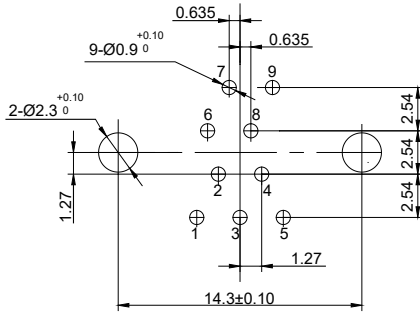


R04J Series Straight to PCB Connectors Basic Type--PCB Layout

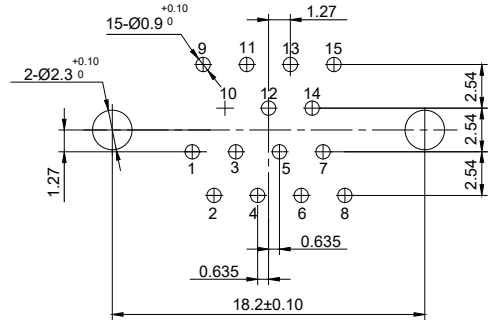
■ Patterns Shown are for Connectors Mounting Side of PC Board

■ PCB Layout: 2.54*2.54mm

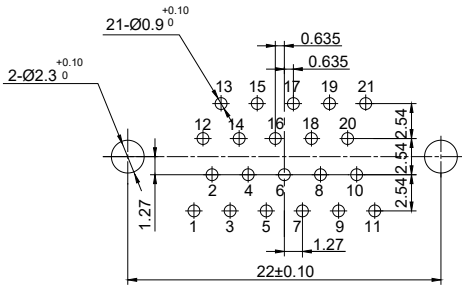
■ Receptacle Connectors: R04J-9~66RHS/S3/S4



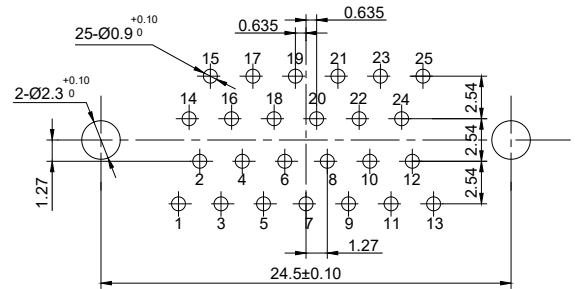
R04J-9RHS/S3/S4



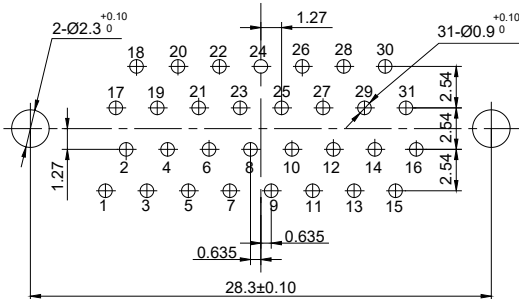
R04J-15RHS/S3/S4



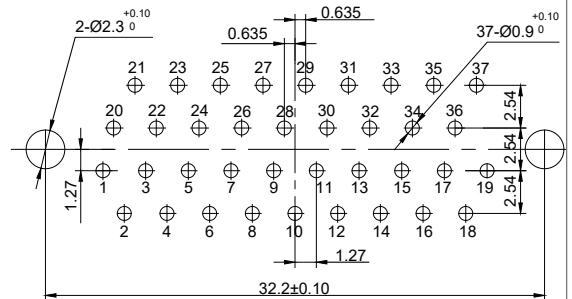
R04J-21RHS/S3/S4



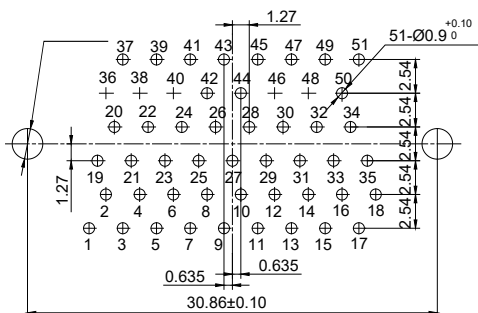
R04J-25RHS/S3/S4



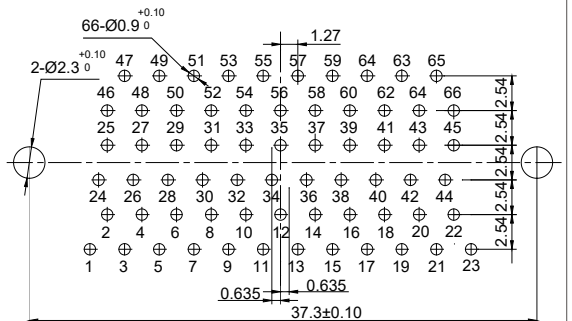
R04J-31RHS/S3/S4



R04J-37RHS/S3/S4



R04J-51RHS/S3/S4

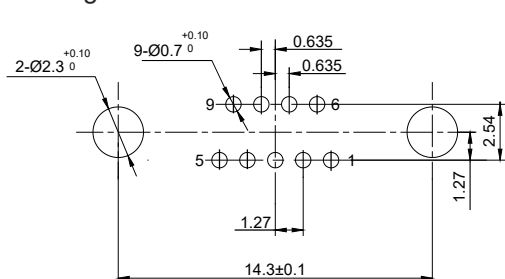


R04J-66RHS/S3/S4

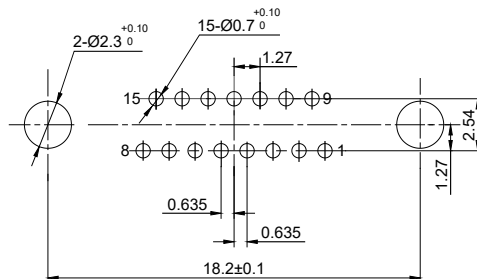
Remark: All dimensions are in mm.

R04J Series Straight to PCB Connectors Type J--PCB Layout

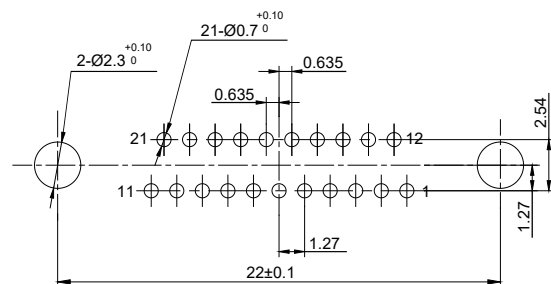
- Patterns Shown are for Connectors Mounting Side of PC Board
- PCB Layout: 1.27*2.54mm
- Plug Connectors: R04J-9~100PIS-J



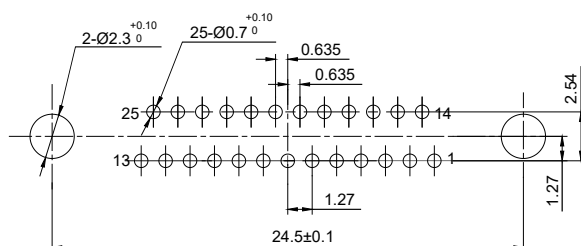
R04J-9PIS-J



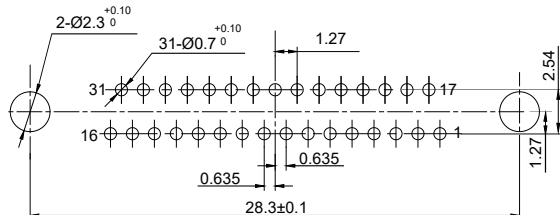
R04J-15PIS-J



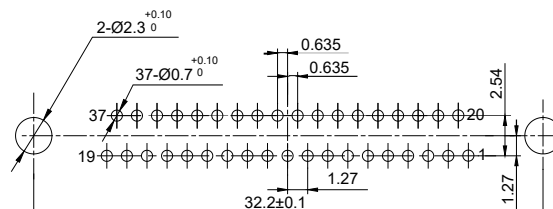
R04J-21PIS-J



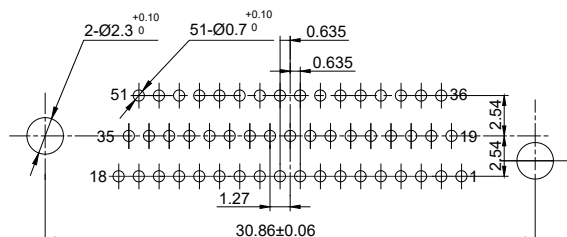
R04J-25PIS-J



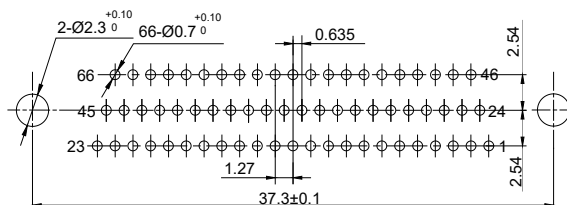
R04J-31PIS-J



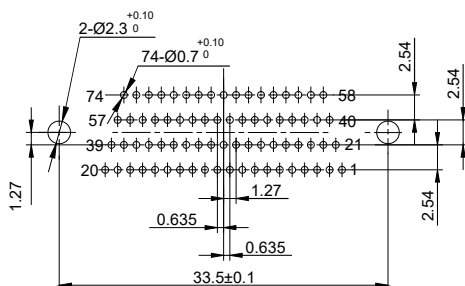
R04J-37PIS-J



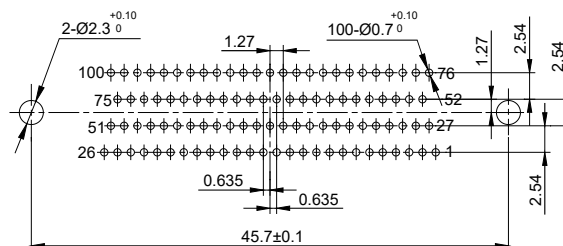
R04J-51PIS-J



R04J-66PIS-J



R04J-74PIS-J



R04J-100PIS-J

Remark: All dimensions are in mm.

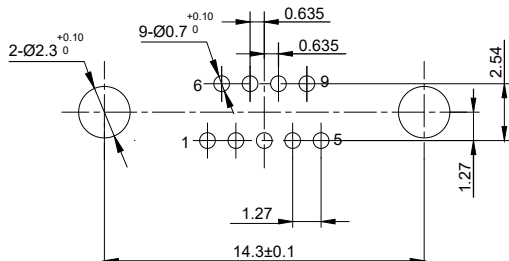


R04J Series Straight to PCB Connectors Type J--PCB Layout

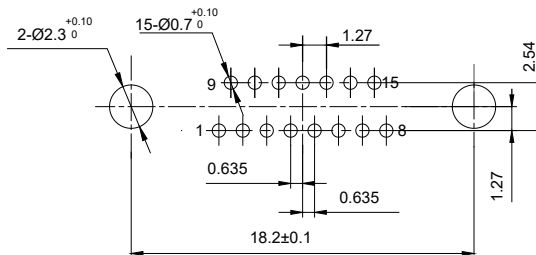
■ Patterns Shown are for Connectors Mounting Side of PC Board

■ PCB Layout: 1.27*2.54mm

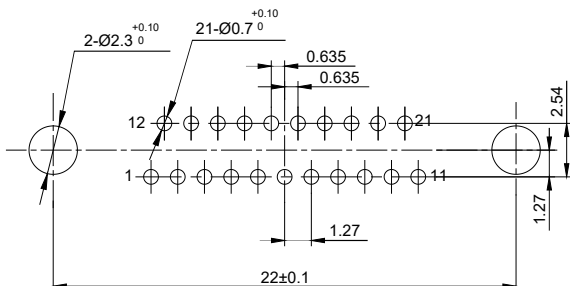
■ Receptacle Connectors: R04J-9~100RHS/S4-J



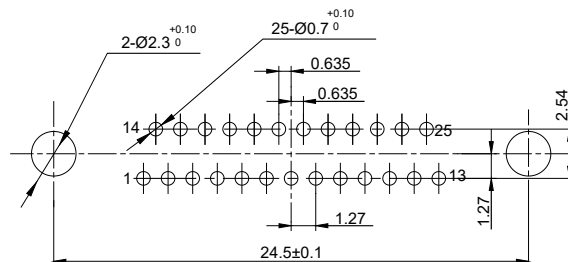
R04J-9RHS-J, RHS4-J



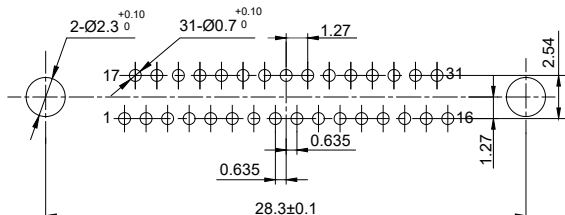
R04J-15RHS-J, RHS4-J



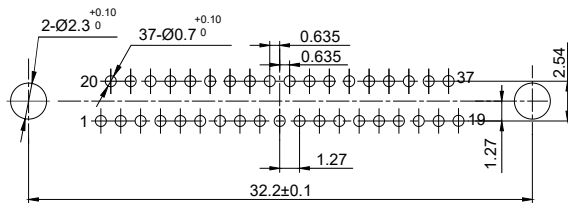
R04J-21RHS-J, RHS4-J



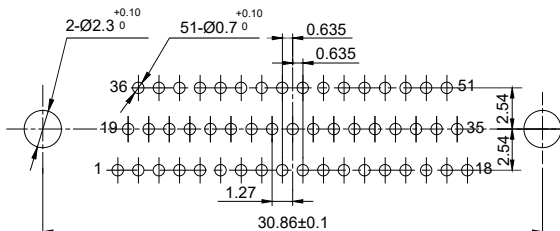
R04J-25RHS-J, RHS4-J



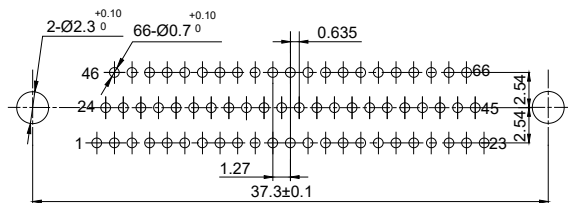
R04J-31RHS-J, RHS4-J



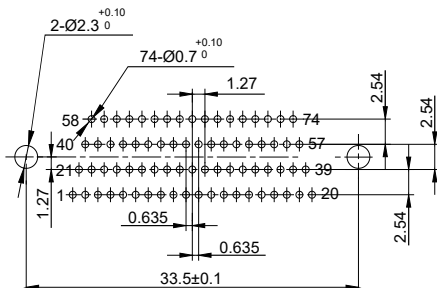
R04J-37RHS-J, RHS4-J



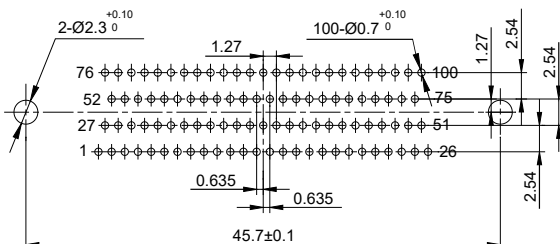
R04J-51RHS-J, RHS4-J



R04J-66RHS-J, RHS4-J



R04J-74RHS-J, RHS4-J



R04J-100RHS-J, RHS4-J

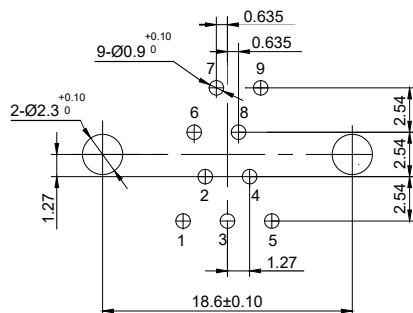
Remark: All dimensions are in mm.

R04J Series Straight to PCB Connectors Fast lock Type R04JA--PCB Layout

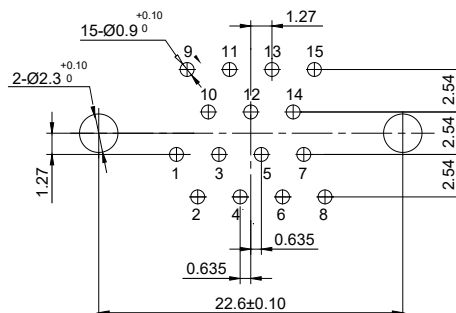
■ Patterns Shown are for Connectors Mounting Side of PC Board

■ PCB Layout: 2.54*2.54mm

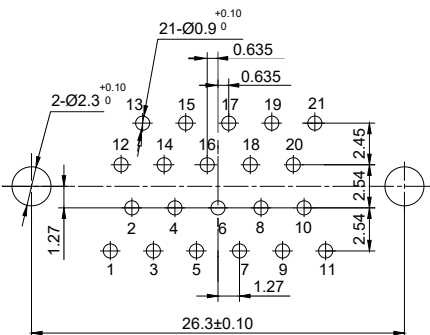
■ Receptacle Connectors: R04JA-9~51RHS



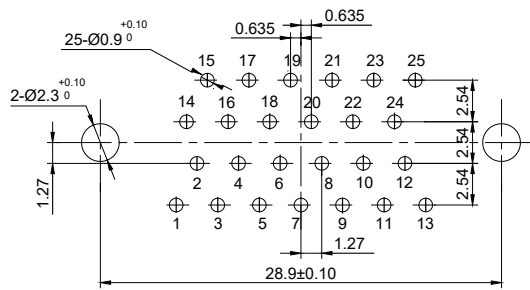
R04JA-9RHS



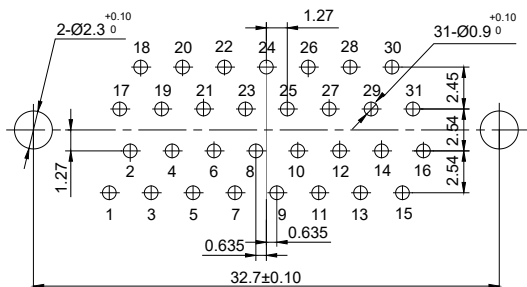
R04JA-15RHS



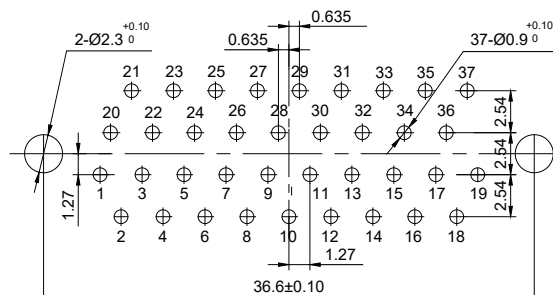
R04JA-21RHS



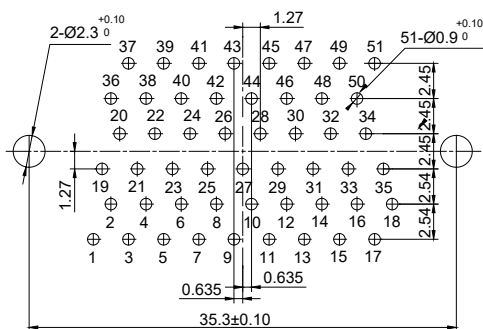
R04JA-25RHS



R04JA-31RHS



R04JA-37RHS



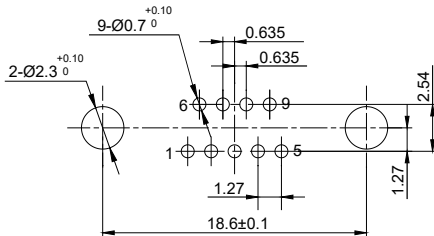
R04JA-51RHS

Remark: All dimensions are in mm.

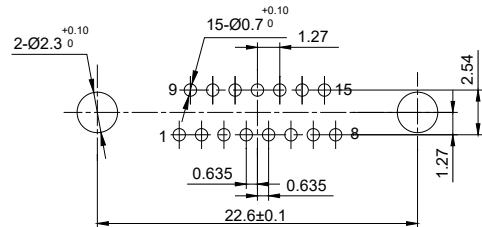


R04J Series Straight to PCB Connectors Fast lock Type R04JA--PCB Layout

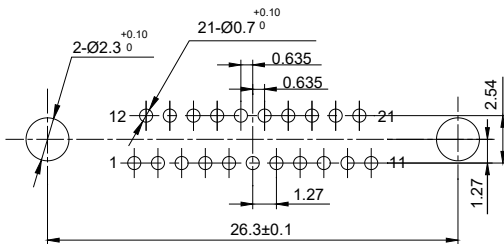
- Patterns Shown are for Connectors Mounting Side of PC Board
- PCB Layout: 1.27*2.54mm
- Receptacle Connectors: R04JA-9~100RHS-J



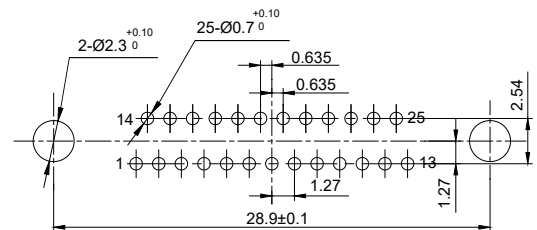
R04JA-9RHS-J



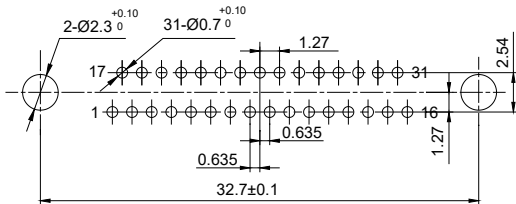
R04JA-15RHS-J



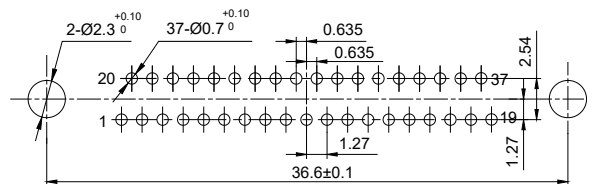
R04JA-21RHS-J



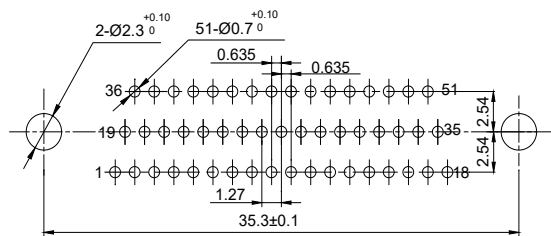
R04JA-25RHS-J



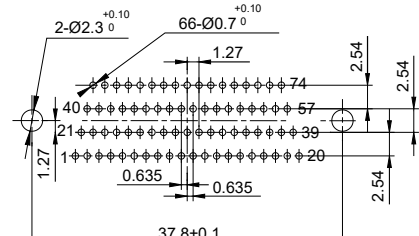
R04JA-31RHS-J



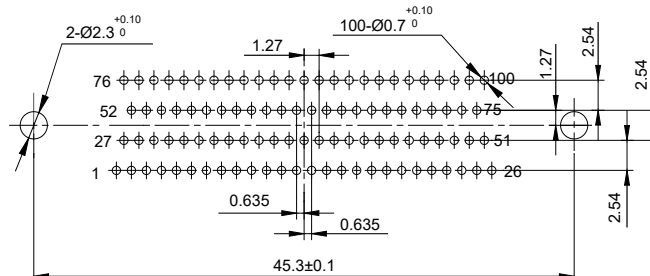
R04JA-37RHS-J



R04JA-51RHS-J



R04JA-74RHS-J



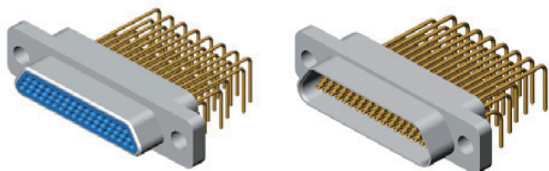
R04JA-100RHS-J

Remark: All dimensions are in mm.

MIL-DTL-83513 Micro-D Connectors

R04J Series Right Angle to PCB Connectors

Brief Introduction

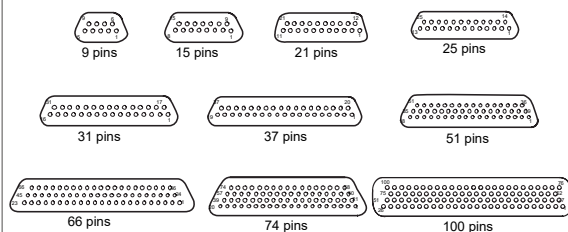


- Micro-D Connectors
- Twist Pin Contacts, High Density
- Metal Shell, Nickel or Cadmium Plating
- Right Angle to PCB Connectors
- Meets MIL-DTL-83513

Specifications

- Environment Temperature: -55°C~+125°C
- Vibration: 10Hz~2000Hz, 196m/s²
- Random Vibration: Power spectrum density 0.4G²/Hz
root mean square value of total acceleration 23.1G
- Shock: 735m/s² 11ms
- Rated Current: 3A
- Contact Resistance: ≤10mΩ
- Insulation Resistance: ≥5000MΩ
- Dielectric Strength: 800V
- Durability: 500 times

Contact Arrangements

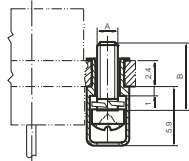
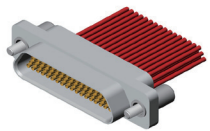
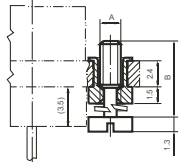
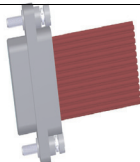
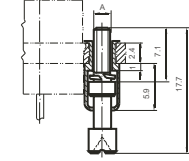
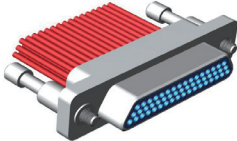


How To Order

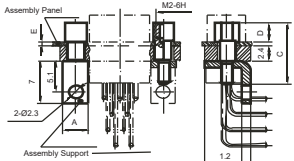
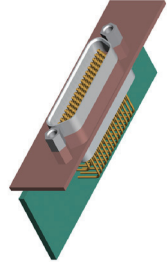
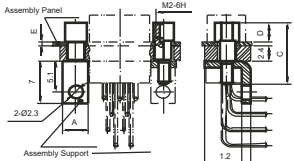
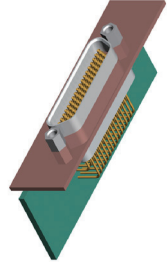
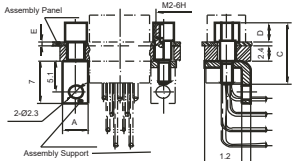
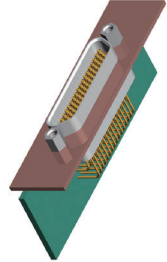
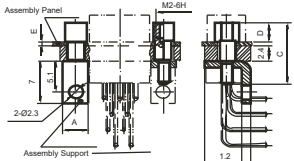
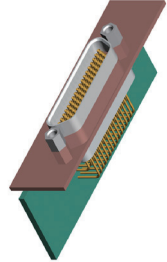
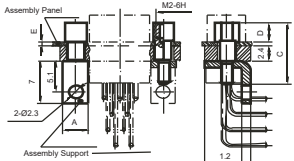
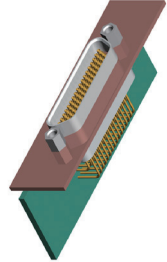
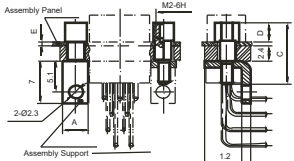
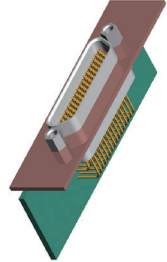
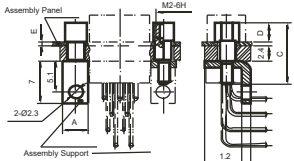
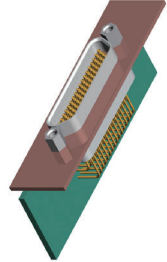
Sample Part Number	R04J	-25	PI	F	1	Q7	G	-J
Series: R04J—Standard Type R04JA—Fast Lock Type								
Contact Number: 9, 15, 21, 25, 31, 37, 51, 66, 74, 100pins								
Contact Type : PI—Pin in Plug RH—Socket in Receptacle								
Tail Termination Type: F—90° Right Angle to PCB								
Tail Length: 1—3.0mm 2—5.5mm								
Locking Hardware Type: Q7—Locking Hardware (See page 63) No Code—No Locking Hardware								
Shell Material and Finish : G—Aluminum Shell, Cadmium Plating No Code—Aluminum Shell, Nickel Plating								
PCB layout : J—1.27*2.54mm No Code—2.54*2.54mm								



Free End Locking Hardware For R04J Series Right Angle To PCB Connectors

Type	A	B	Outline Dimensions	Assembly Picture	Matched with Locking Hardware
W	M2-6h	7.1			Q, Q0, Q2, Q3, Q4, Q5, Q7, Q8, Q9, Q10, Q11, Q14, Q15, Q17, Q23, Q25, Q29, Q32, Q35, Q36, Q37, Q41, Q42, Q43, Q45, Q46
W8	#2-56UNC-2A	7.1			Q1
W7	M2-6h	7.1			Q, Q0, Q2, Q3, Q4, Q5, Q7, Q8, Q9, Q10, Q11, Q14, Q15, Q17, Q23, Q25, Q29, Q32, Q35, Q36, Q37, Q41, Q42, Q43, Q45, Q46
N	M2-6h				Q, Q0, Q2, Q3, Q4, Q5, Q7, Q8, Q9, Q10, Q11, Q14, Q15, Q17, Q23, Q25, Q29, Q32, Q35, Q36, Q37, Q41, Q42, Q43, Q45, Q46
N1	#2-56UNC-2A				Q1

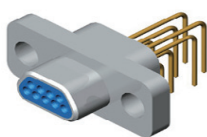
Fixed End Locking Hardware For R04J Series Right Angle To PCB Connectors

Type	Pin Count	A	B	C	D	E	Outline Dimensions	Assembly Picture	Matched with Locking Hardware
Q2	9~37	4.2	7.6	11.6	3.7	1			W, W7, W9, N Note: Use with rear panel mounting right angle to PCB connectors
	51	4.2	8.7	11.6	3.7	1			
	74	4.2	9.7	11.6	3.7	1			
	100	8.8	9.7	11.6	3.7	1			
Q14	9~37	4.2	7.6	10.7	1.7	3			W, W7, W9, N Note: Use with rear panel mounting right angle to PCB connectors
	51	4.2	8.7	10.7	1.7	3			
	74	4.2	9.7	10.7	1.7	3			
	100	8.8	9.7	10.7	1.7	3			
Q7	9~37	4.2	7.6	10.7					W, W7, W9, N Note: Use with rear panel mounting right angle to PCB connectors
	51	4.2	8.7	10.7					
	74	4.2	9.7	10.7					
	100	8.8	9.7	10.7					
Q42	9~37	4.2	7.6	9.7					W, W7, W9, N Note: Use with front panel mounting right angle to PCB connectors
	51	4.2	8.7	9.7					
	74	4.2	9.7	9.7					
	100	8.8	9.7	9.7					
Q15	9~37	7.6	1.9	2.5	9.7				W, W7, W9, N Note: Use with front panel mounting for R04J-9~51PI/ RHF-Q8
	51	8.7	1.9	2.5	9.7				
Q35	9~37	7.6	2.4	1.8	9.5				W, W7, W9, N Note: Use with front panel mounting for R04J-9~51PI/ RHF-Q8
	51	8.7	2.4	1.8	9.5				
V1	9~37	4.2	7.6	9.7					Note: No need to lock with free end locking hardware
	51	4.2	8.7	9.7					
	74	4.2	9.7	9.7					
	100	8.8	9.7	9.7					

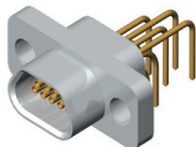
Remark: 1. Fixed end locking hardware apply to fix the connectors on the mounting panels or the PCB. Most fixed end locking hardware can be mated with free end locking hardware, but a little can not. (eg. V1)

2. All dimensions are in mm.

R04J Series Right Angle To PCB Connectors - Basic Type



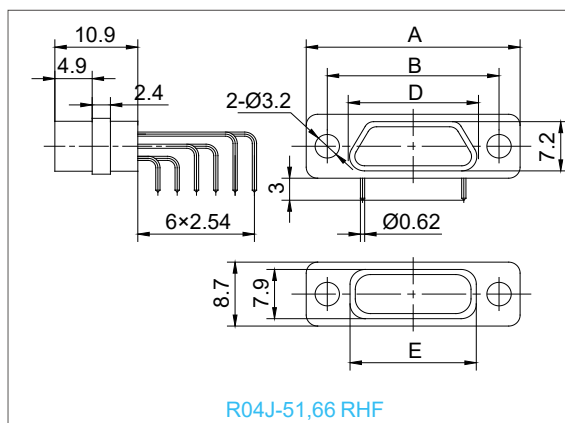
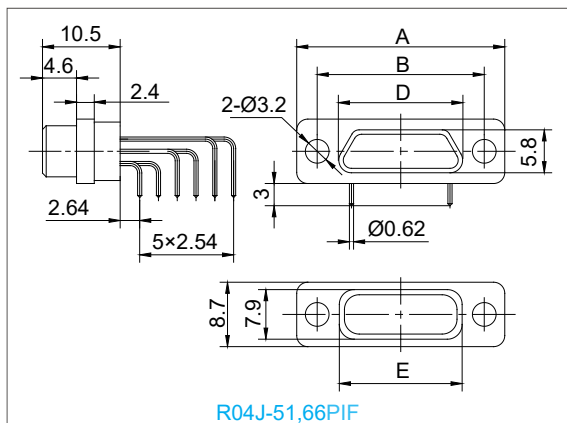
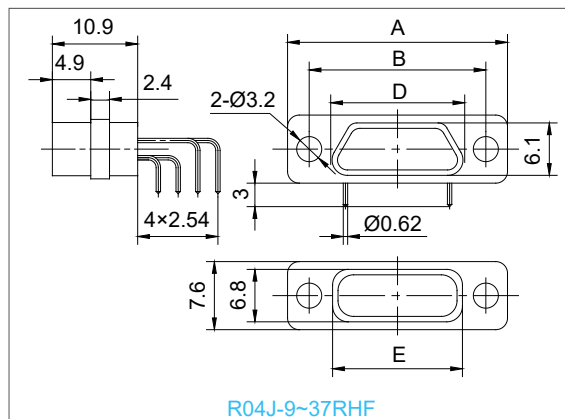
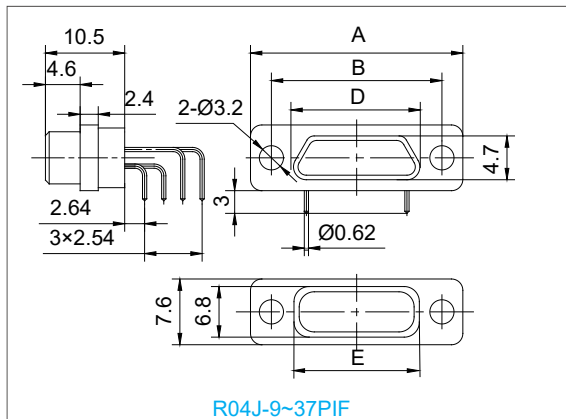
Plug:PIF



Receptacle:RHF

- **Shell Plating:** Nickel or Cadmium
- **PCB Layout:** 2.54*2.54mm
- **Contacts:**
R04J- 9, 15, 21, 25, 31, 37, 51, 66PI/RHF

Outline Dimensions

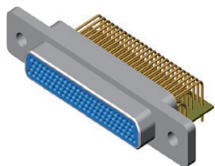


Part Number	A	B	D		E
			PIF	RHF	
R04J-9PI/RHF	19.6	14.3	8.3	9.8	9.9
R04J-15PI/RHF	23.5	18.2	12.3	13.7	13.8
R04J-21PI/RHF	27.4	22	16	17.4	17.6
R04J-25PI/RHF	29.8	24.5	18.6	20	20.2
R04J-31PI/RHF	33.6	28.3	22.4	23.8	24
R04J-37PI/RHF	37.4	32.2	26.3	27.7	27.8
R04J-51PI/RHF	36.4	30.86	25	26.5	26.6
R04J-66PI/RHF	42.9	37.3	31.4	32.9	33

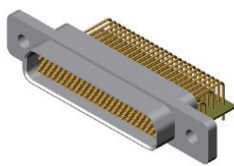
Remark: All dimensions are in mm.



R04J Series Right Angle To PCB Connectors - Type J



Plug:PIF-J



Receptacle:RHF-J

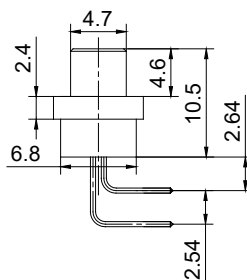
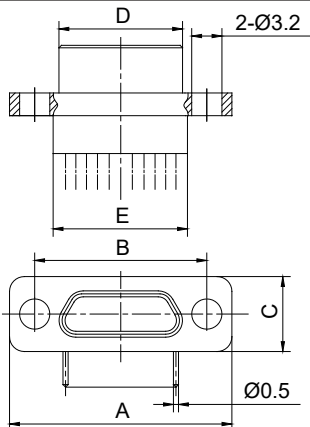
■ **Shell Plating:** Nickel or Cadmium

■ **PCB Layout:** 1.27*2.54mm

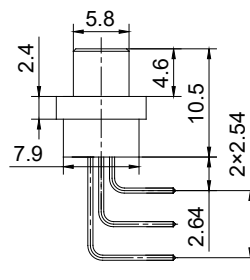
■ **Contacts:**

R04J- 9, 15, 21, 25, 31, 37, 51, 66, 74, 100PI/RHF-J

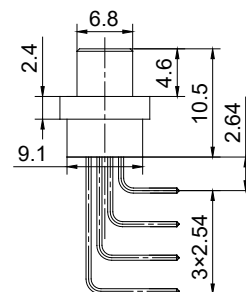
Outline Dimensions



R04J-9~37PIF-J

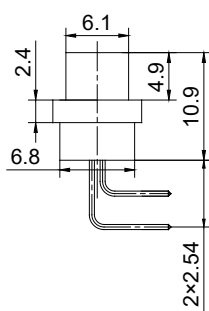
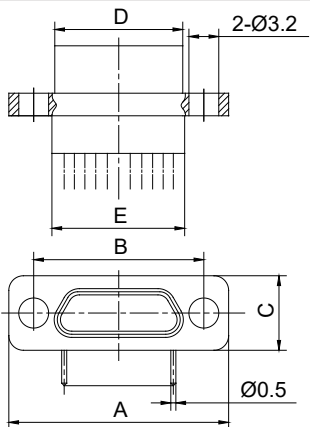


R04J-51,66PIF-J

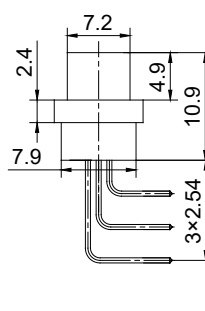


R04J-74,100PIF-J

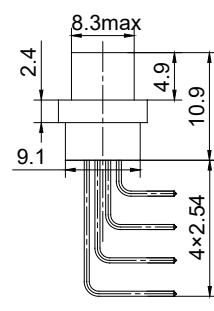
R04J-9~100PIF-J



R04J-9~37RHF-J



R04J-51,66RHF-J



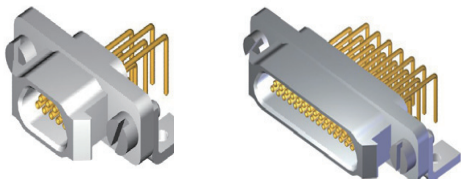
R04J-74,100RHF-J

R04J-9~100RHF-J

Part Number	A	B	C	D		E
				PIF-J	RHF-J	
R04J-9PI/RHF-J	19.6	14.3	7.6	8.3	9.8	9.9
R04J-15PI/RHF-J	23.5	18.2	7.6	12.3	13.7	13.8
R04J-21PI/RHF-J	27.4	22	7.6	16	17.4	17.6
R04J-25PI/RHF-J	29.8	24.5	7.6	18.6	20	20.2
R04J-31PI/RHF-J	33.6	28.3	7.6	22.4	23.8	24
R04J-37PI/RHF-J	37.4	32.2	7.6	26.3	27.7	27.8
R04J-51PI/RHF-J	36.4	30.86	8.7	25	26.5	26.6
R04J-66PI/RHF-J	42.9	37.3	8.7	31.4	32.9	33
R04J-74PI/RHF-J	38.8	33.5	9.7	27.5	29	29.1
R04J-100PI/RHF-J	54.7	45.7	9.7	35	36.6	36.6

Remark: All dimensions are in mm.

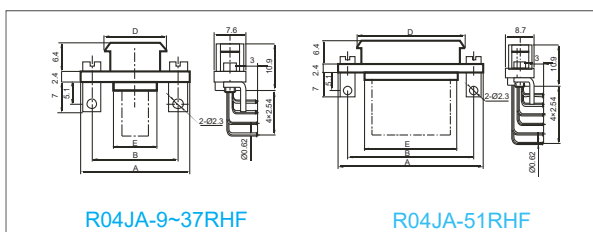
R04JA Series Right Angle To PCB Connectors - Basic Type



Receptacle: R04JA-*RHF

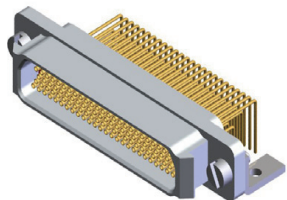
- With Fast Lock Function
- **Shell Plating:** Nickel or Cadmium
- **PCB Layout:** 2.54*2.54mm
- Receptacle Connectors
- **Contacts:**
R04JA- 9, 15, 21, 25, 31, 37, 51RHF

Outline Dimensions



Part Number	A	B	D	E
R04JA-9RHF	23.4	18.6	14.3	9.8
R04JA-15RHF	27.4	22.6	18.3	13.8
R04JA-21RHF	31.1	26.3	22	17.5
R04JA-25RHF	33.7	28.9	24.6	20.1
R04JA-31RHF	37.5	32.7	28.4	24.1
R04JA-37RHF	41.4	36.6	32.3	27.8
R04JA-51RHF	40.1	35.5	31	26.5

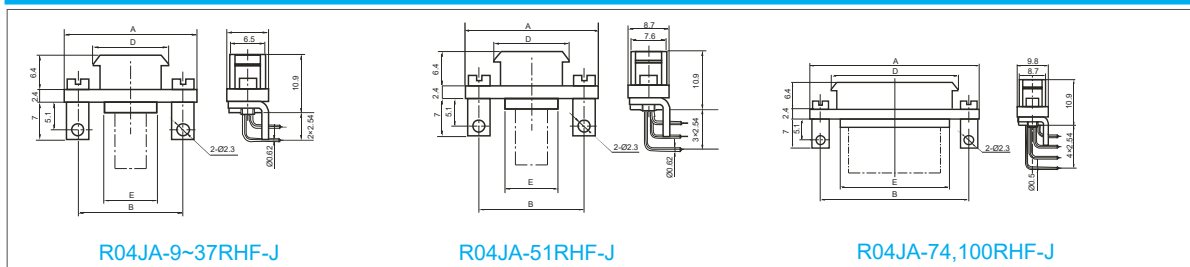
R04JA Series Right Angle To PCB Connectors - Type J



Receptacle: R04JA-*RHF-J

- With Fast Lock Function
- **Shell Plating:** Nickel or Cadmium
- **PCB Layout:** 1.27*2.54mm
- Receptacle Connectors
- **Contacts:**
R04JA- 9, 15, 21, 25, 31, 37, 51, 66, 74, 100RHF-J

Outline Dimensions



Part Number	A	B	D	E
R04JA-9RHF-J	23.4	18.6	14.3	9.8
R04JA-15RHF-J	27.4	22.6	18.3	13.8
R04JA-21RHF-J	31.1	26.3	22	17.5
R04JA-25RHF-J	33.7	28.9	24.6	20.1
R04JA-31RHF-J	37.5	32.7	28.4	24.1
R04JA-37RHF-J	41.4	36.6	32.3	27.8
R04JA-51RHF-J	40.1	35.3	31	26.5
R04JA-74RHF-J	42.6	37.8	33.5	29
R04JA-100RHF-J	50.1	45.3	41	36.5

Remark: All dimensions are in mm.

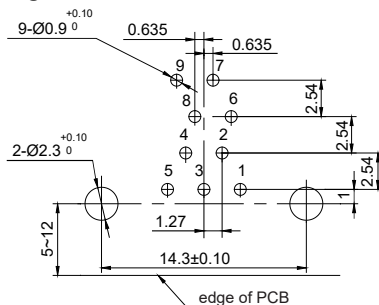


R04J Series Right Angle to PCB Connectors Basic Type--PCB Layout

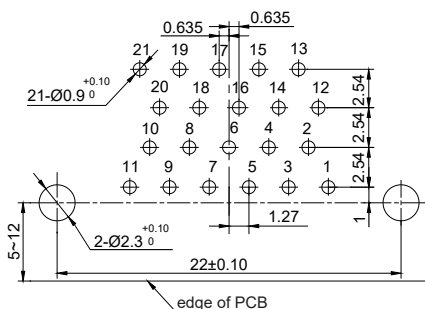
■ Patterns Shown are for Connectors Mounting Side of PC Board

■ PCB Layout: 2.54*2.54mm

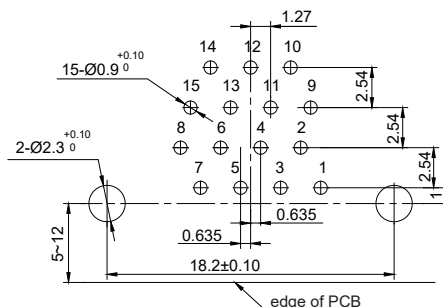
■ Plug Connectors: R04J-9~66PIF



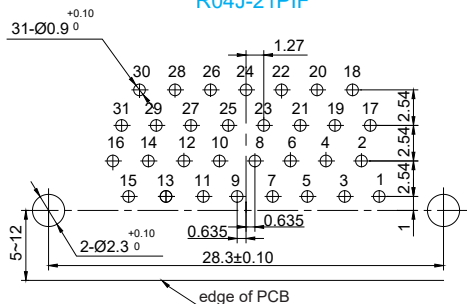
R04J-9PIF



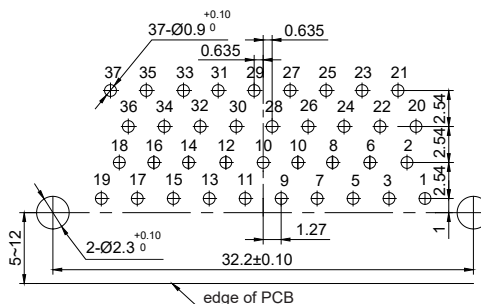
R04J-15PIF



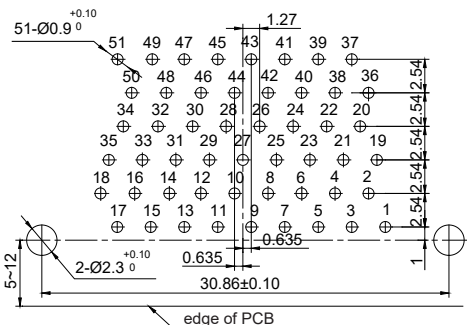
R04J-21PIF



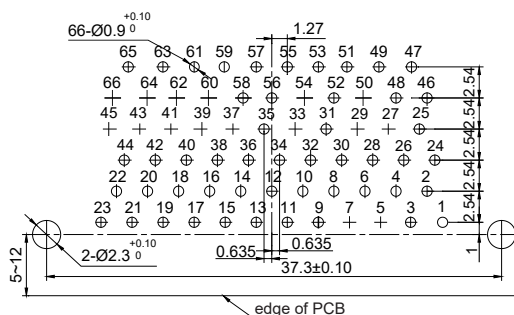
R04J-25PIF



R04J-31PIF



R04J-37PIF



R04J-51PIF

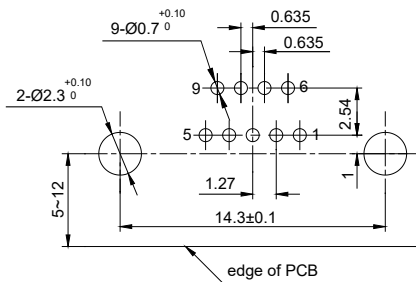
R04J-66PIF

Remark: All dimensions are in mm.

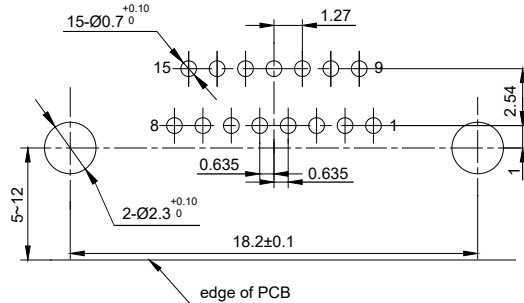


R04J Series Right Angle to PCB Connectors Type J--PCB Layout

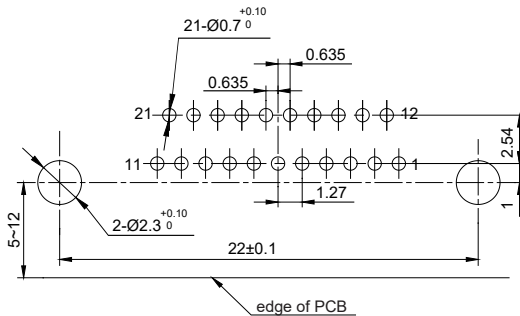
- Patterns Shown are for Connectors Mounting Side of PC Board
- PCB Layout: 1.27*2.54mm
- Plug Connectors: R04J-9~100PIF-J



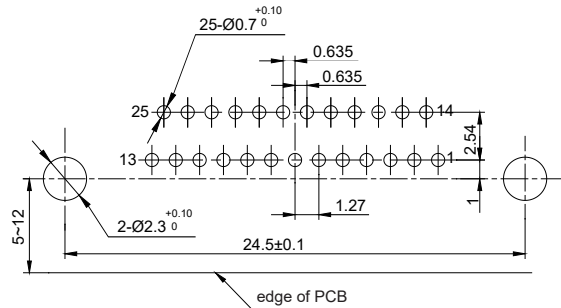
R04J-9PIF-J



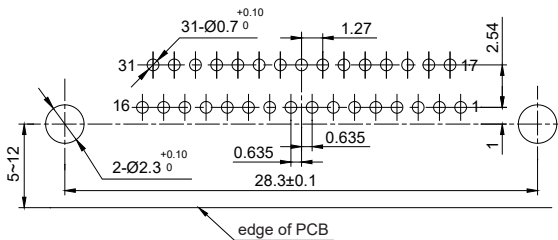
R04J-15PIF-J



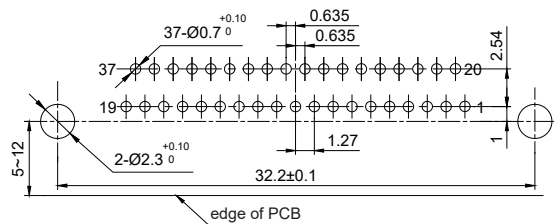
R04J-21PIF-J



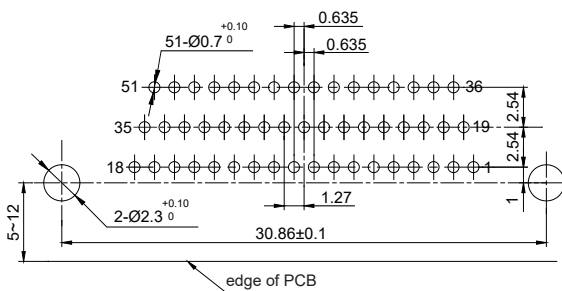
R04J-25PIF-J



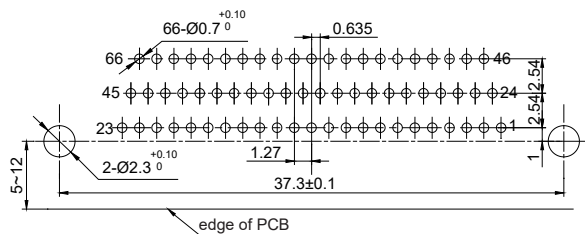
R04J-31PIF-J



R04J-37PIF-J

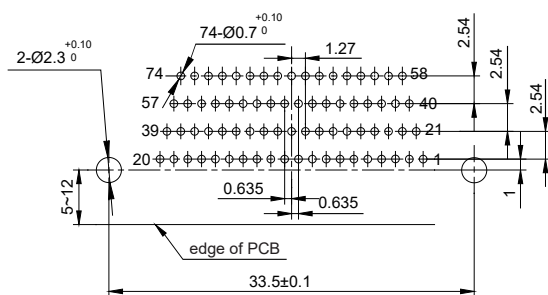


R04J-51PIF-J

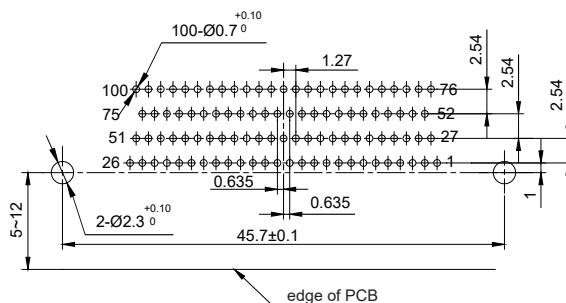


R04J-66PIF-J

Remark: All dimensions are in mm.



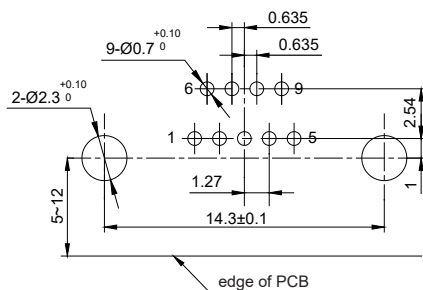
R04J-74PIF-J



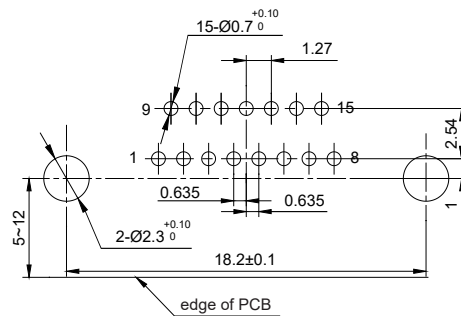
R04J-100PIF-J

R04J Series Right Angle to PCB Connectors Type J--PCB Layout

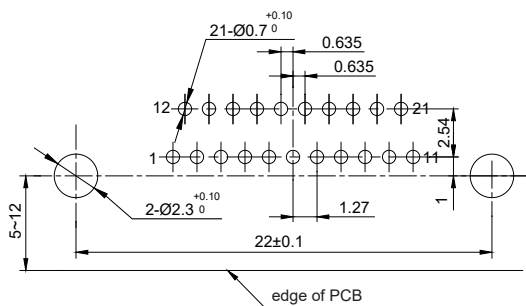
- Patterns Shown are for Connectors Mounting Side of PC Board
- PCB Layout: 1.27*2.54mm
- Receptacle Connectors: R04J-9~100RHF-J



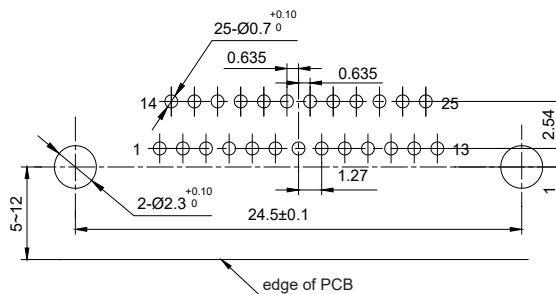
R04J-9RHF-J



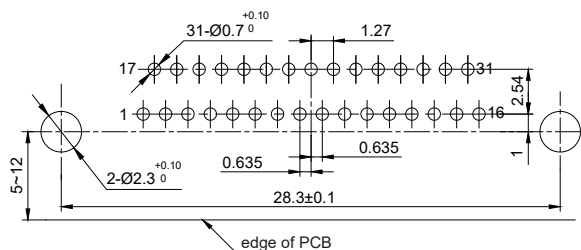
R04J-15RHF-J



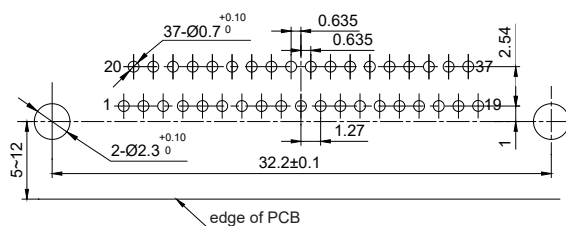
R04J-21RHF-J



R04J-25RHF-J

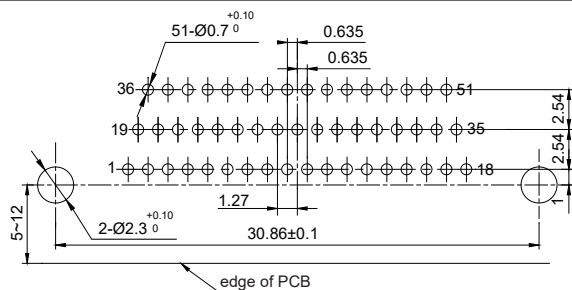


R04J-31RHF-J

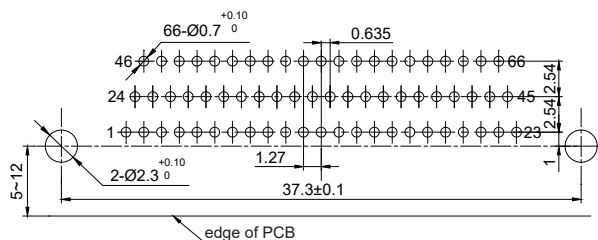


R04J-37RHF-J

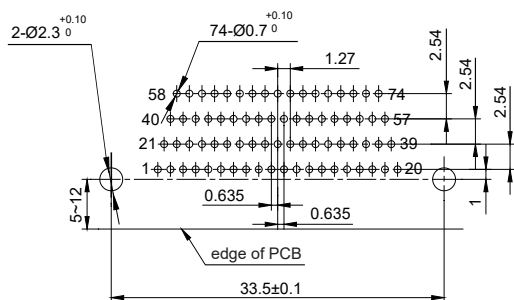
Remark: All dimensions are in mm.



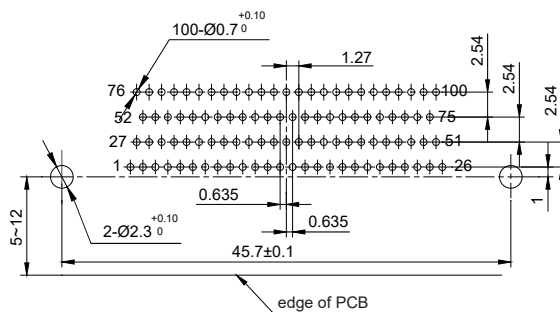
R04J-51RHF-J



R04J-66RHF-J



R04J-74RHF-J

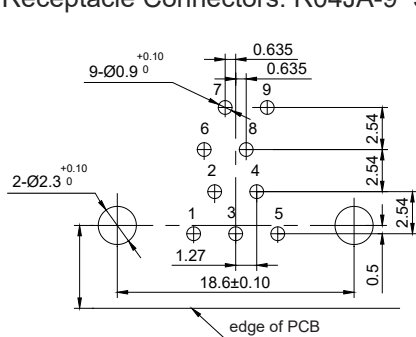


R04J-100RHF-J

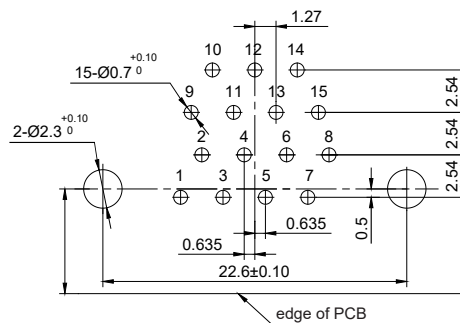
Remark: All dimensions are in mm.

R04JA Series Right Angle to PCB Connectors Basic Type--PCB Layout

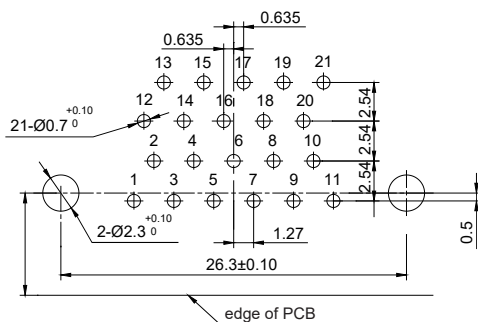
- Patterns Shown are for Connectors Mounting Side of PC Board
- PCB Layout: 2.54*2.54mm
- Receptacle Connectors: R04JA-9~51RHF



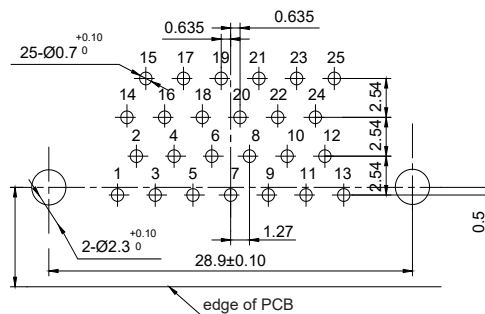
R04JA-9RHF



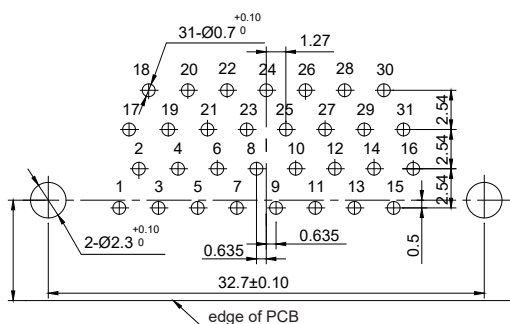
R04JA-15RHF



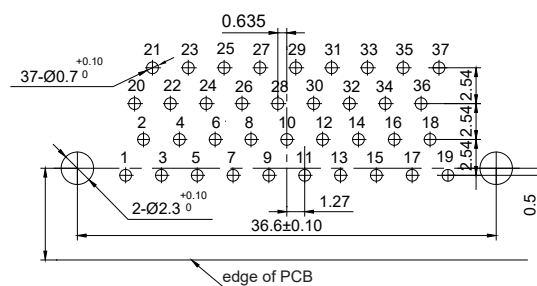
R04JA-21RHF



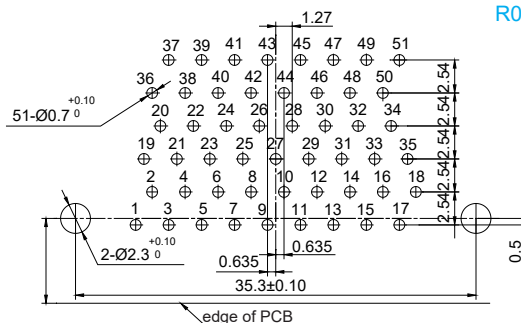
R04JA-25RHF



R04JA-31RHF



R04JA-37RHF



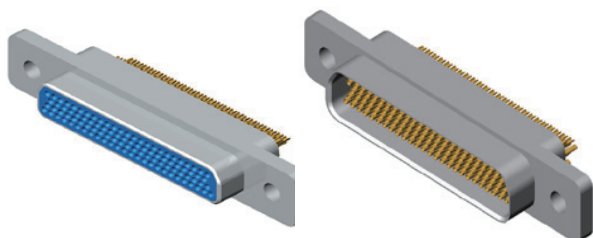
R04JA-51RHF

Remark: All dimensions are in mm.



MIL-DTL-83513 Micro-D Connectors

R04J Series Solder Cup Connectors



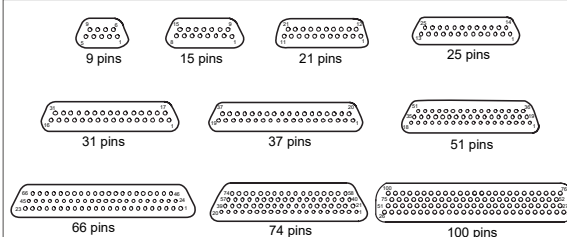
Brief Introduction

- Micro-D Connectors
- Twist Pin Contacts, High Density
- Metal Shell, Nickel or Cadmium Plating
- Solder Cup Connectors
- Meets MIL-DTL-83513

Specifications

- Environment Temperature: -55°C~+125°C
- Vibration: 10Hz~2000Hz, 196m/s²
- Random Vibration: Power spectrum density 0.4G²/Hz
root mean square value of total
acceleration 23.1G
- Shock: 735m/s² 11ms
- Rated Current: 3A
- Contact Resistance: ≤10mΩ
- Insulation Resistance: ≥5000MΩ
- Dielectric Strength: 800V
- Durability: 500 times

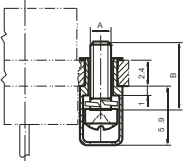
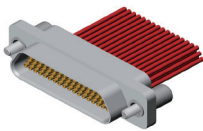
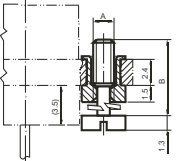
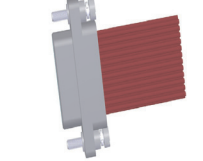
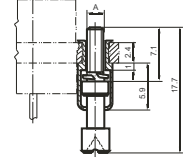
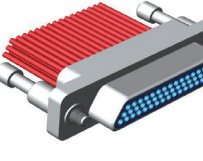
Contact Arrangements



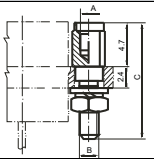
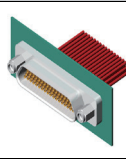
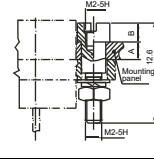
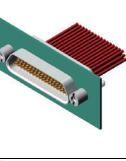
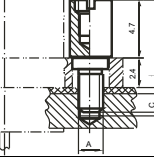
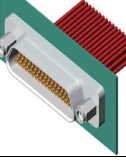
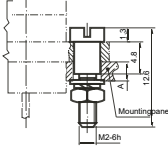
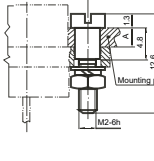
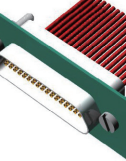
How To Order

Sample Part Number	R04J	-25	PI	J	W	G	A3
Series: R04J—Standard Type R04JS—Glue Sealing R04JS1—Glass-Sintered Sealing (See page 78 to 79)							
Contact Number: 9, 15, 21, 25, 31, 37, 51, 66, 74, 100pins							
Contact Type : PI—Pin in Plug RH—Socket in Receptacle							
Tail Termination Type: J—Solder Cup							
Locking Hardware Type: W—Locking Hardware (See page 74) No Code—No Locking Hardware							
Shell Material and Finish : G—Aluminum Shell, Cadmium Plating No Code—Aluminum Shell, Nickel Plating							
Cable Clamp Type: A3—Cable Clamp (See page 75) No Code—No Cable Clamp							

Free End Locking Hardware For R04J Series Solder Cup Connectors

Type	A	B	Outline Dimensions	Assembly Picture	Matched with Locking Hardware
W	M2-6h	7.1			Q, Q0, Q2, Q3, Q4, Q5, Q7, Q8, Q9, Q10, Q11, Q14, Q15, Q17, Q23, Q25, Q29, Q32, Q35, Q36, Q37, Q41, Q42, Q43, Q45, Q46
W8	#2-56UNC-2A	7.1			Q1
W7	M2-6h	7.1			Q, Q0, Q2, Q3, Q4, Q5, Q7, Q8, Q9, Q10, Q11, Q14, Q15, Q17, Q23, Q25, Q29, Q32, Q35, Q36, Q37, Q41, Q42, Q43, Q45, Q46
N	M2-6h				Q, Q0, Q2, Q3, Q4, Q5, Q7, Q8, Q9, Q10, Q11, Q14, Q15, Q17, Q23, Q25, Q29, Q32, Q35, Q36, Q37, Q41, Q42, Q43, Q45, Q46
N1	#2-56UNC-2A				Q1

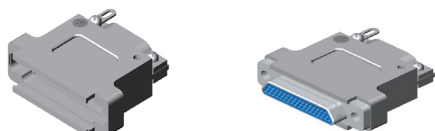
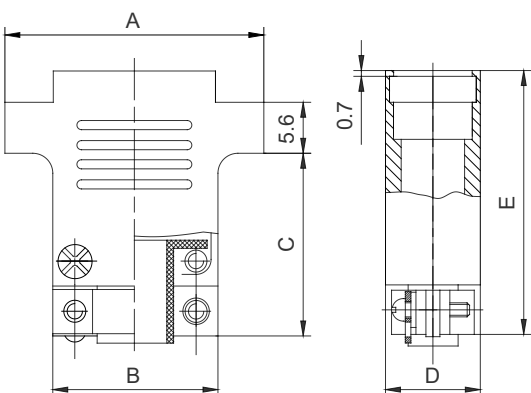
Fixed End Locking Hardware For R04J Series Solder Cup Connectors

Type	A	B	C	Outline Dimensions	Assembly Picture	Matched with Locking Hardware	
Q	M2-6h	M2-6h	12.6			W, W7, W9, N	Note: Use with front panel mounting solder cup connectors
Q1	#2-56UNC-2B	#2-56UNC-2A	12.6			W8, N1	
Q8	M2-6h	M2-6h	15.6			W,W7,W9,N	
Q9	M2-6h	M2-6h	21.6			W,W7,N	
Q0	4.1	0.6	12.6			W, W7, W9, N	Note: Use with rear panel mounting solder cup connectors
Q3	3.3	1.4	12.6				
Q4	2.5	2.2	12.6				
Q11	1.3	3.4	12.6				
Q45	2.7	2	20				
Q29	M3-6h	10.5	3.3min			W,W7,W9,N	Note:1. Use with front panel mounting solder cup connectors 2. For R04JS series
Q36	M3-6h	14.7	6min				
Q37	M2-6h	10	2.8min				
Q43	M3-6h	11.7	4min				
Q44	 Front Panel Mounting			 Rear Panel Mounting		Note: 1. No need to lock with free end locking hardware 2. Front panel mounting, "A" dimension is 2.5~3.5mm 3. Rear panel mounting, (1)Mated with connectors without locking hardware, "A" dimension is 3.5mm max (2)Mated with connectors with fixed end locking hardware, "A" dimension is 4.9mm minus 1.3mm (The distance between bolt and flange of connector)	

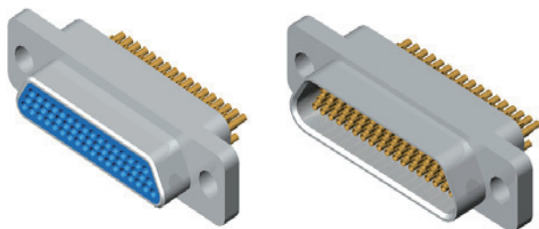
Remark: 1. Fixed end locking hardware apply to fix the connectors on the mounting panels or the PCB. Most fixed end locking hardware can be mated with free end locking hardware, but a little can not. (eg. Q44)
2. All dimensions are in mm.



R04J Series A3 Cable Clamp

Stereogram	 Only A3 Cable Clamp Plug With A3 Cable Clamp	Outline Dimensions					
		Pin Count	A	B	C	D	E
Outline Dimensions		9	19.6	9.9	18.2	10.4	27
		15	23.5	13.8	18.2	10.4	27
		21	27.4	17.6	19.2	10.4	28
		25	29.8	20.2	19.2	10.4	28
		31	33.6	24	19.2	10.4	28
		37	37.4	27.8	19.2	10.4	28
		51	36.4	26.6	21.2	11.2	30
Using Conditions	1.For R04J Solder Cup Basic Type 2.For R04J Crimp Basic Type	66	42.9	29.1	21.2	11.2	30
		74	38.8	29.1	21.2	12	30
		100	54.7	40.7	21.2	12	30

R04J Series Solder Cup Connectors - Basic Type



Plug:PIJ

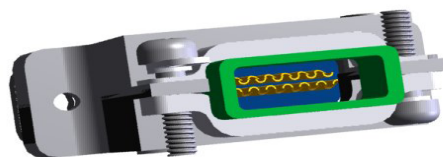
Receptacle:RHJ

- **Shell Plating:** Nickel or Cadmium
- **The Spacing of Arrangements of The Tail:**1.27x1.1mm
- **Termination Type:** Solder Cup
- **Contacts:**
R04J- 9, 15, 21, 25, 31, 37, 51, 66, 74, 100 PIJ/RHJ

R04J Series Solder Cup Basic Type Assembled With Cable Clamp



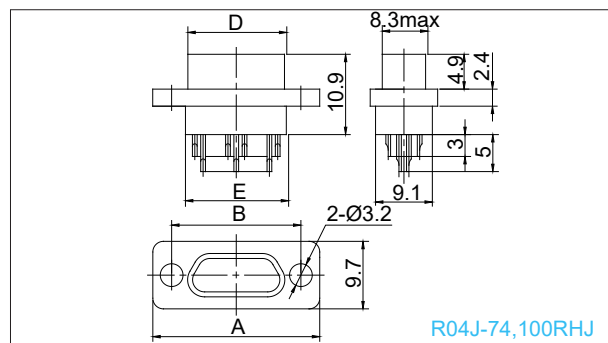
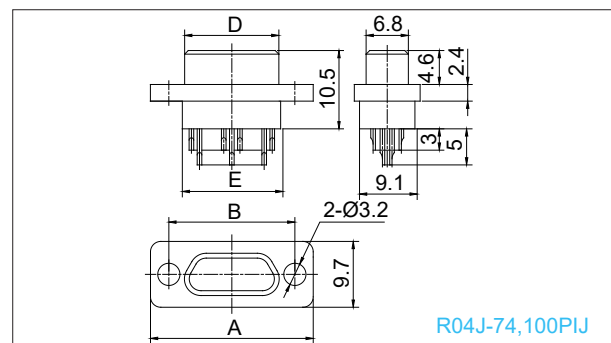
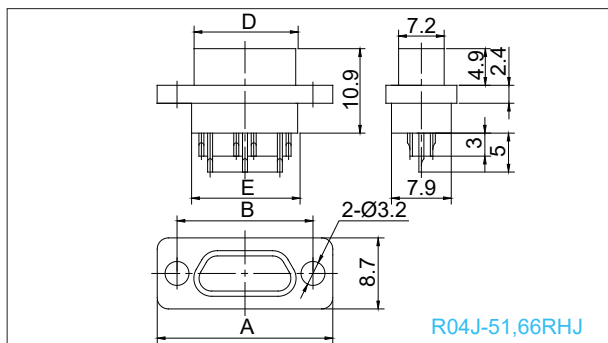
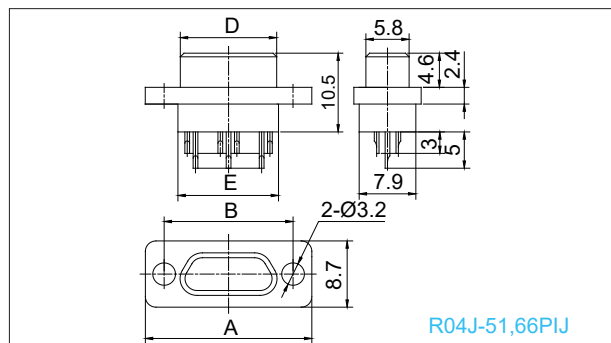
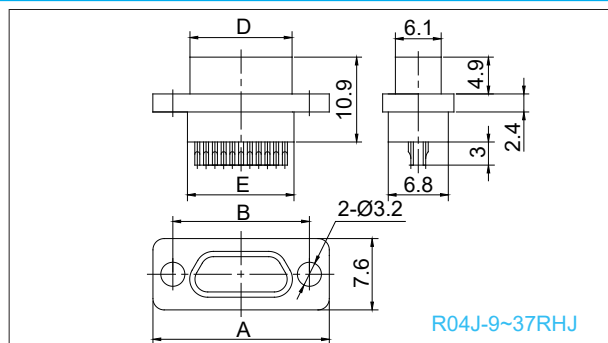
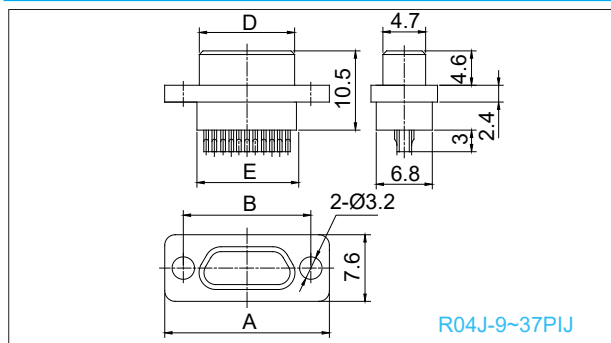
Look From Connecting End



Look From The End of Cable Clamp

Remark:1.Example of R04J series solder cup connectors with A3 cable clamp.
 2.All dimensions are in mm.

Outline Dimensions

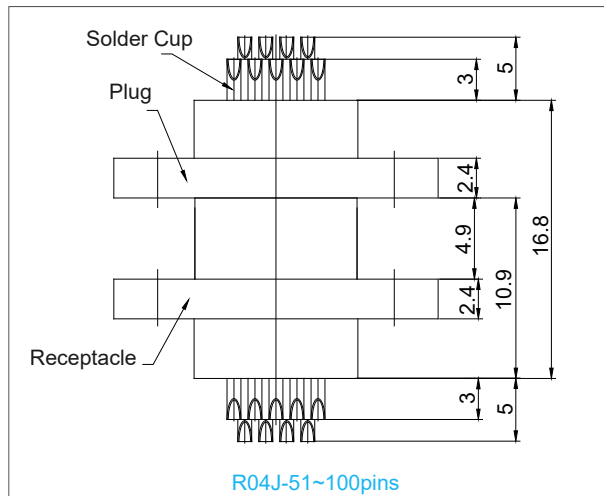
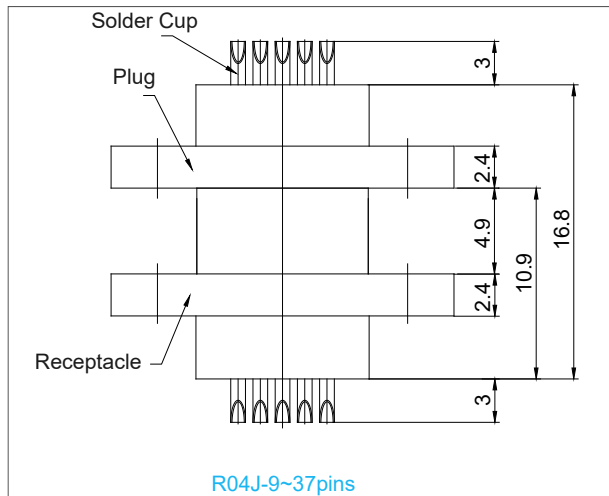


Part Number	A	B	D		E
			PIJ	RHJ	
R04J-9PIJ/RHJ	19.6	14.3	8.3	9.8	9.9
R04J-15PIJ/RHJ	23.5	18.2	12.3	13.7	13.8
R04J-21PIJ/RHJ	27.4	22	16	17.4	17.6
R04J-25PIJ/RHJ	29.8	24.5	18.6	20	20.2
R04J-31PIJ/RHJ	33.6	28.3	22.4	23.8	24
R04J-37PIJ/RHJ	37.4	32.2	26.3	27.7	27.8
R04J-51PIJ/RHJ	36.4	30.86	25	26.5	26.6
R04J-66PIJ/RHJ	42.9	37.3	31.4	32.9	33
R04J-74PIJ/RHJ	38.8	33.5	27.5	29	29.1
R04J-100PIJ/RHJ	54.7	45.7	35	36.6	36.3

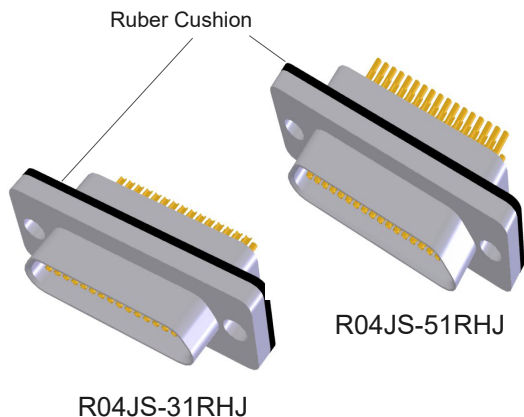
Remark: All dimensions are in mm.



Outline Dimensions After Mating (Without A3 Cable Clamp)

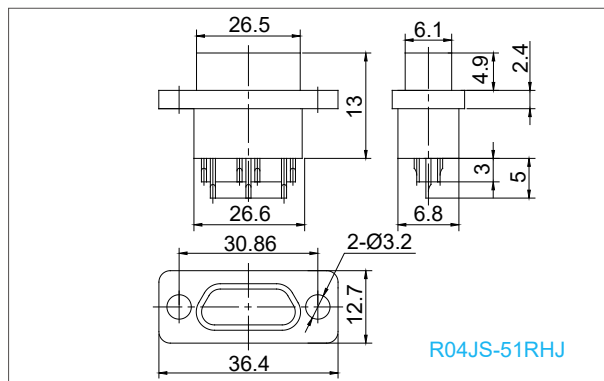
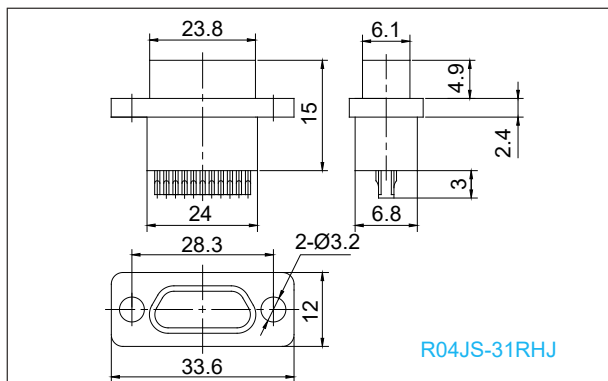


R04J Series Solder Cup Type - Glue Sealing Connectors



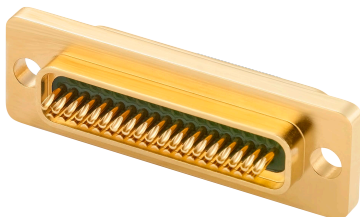
- **Shell Plating:** Nickel or Cadmium
- **The Spacing of Arrangements of The Tail:** 1.27x1.1mm
- **Termination Type:** Solder Cup
- **The Flange with A Rubber Cushion, Thickness:** 1mm
- **Glue Sealing Connectors (Receptacle Only)**
- **The Air Leakage Rate:** $5 \times 10^{-2} \text{Pa} \cdot \text{CM}^3/\text{s}$
- **Insulation Resistance:** $\geq 2000 \text{M}\Omega$
- **Contacts:** R04JS-31, 51RHJ

Outline Dimensions



Remark: All dimensions are in mm.

R04J Series Solder Cup Type - Glass-Sintered Sealing Connectors



- **Shell:** Kovar Alloy Shell, Gold Plating
- **The Spacing of Arrangements of The Tail:** 1.27x1.1mm
- **Termination Type:** Solder Cup
- **The Flange with A Rubber Cushion, Thickness:** 1mm
- **Glass-Sintered Sealing Connectors (Receptacle Only)**
- **The Air Leakage Rate:** $1 \times 10^{-3} \text{Pa} \cdot \text{CM}^3/\text{s}$
- **Insulation Resistance:** $\geq 5000 \text{M}\Omega$
- **Contact Resistance:** $\leq 30 \text{m}\Omega$
- **Dielectric Strength:** 600Vr.m.s
- **Contacts:** R04JS1-9, 15, 21, 25, 31, 37, 51RHJ
- **Other Performance is The Same as R04J Standard Type**

How To Order

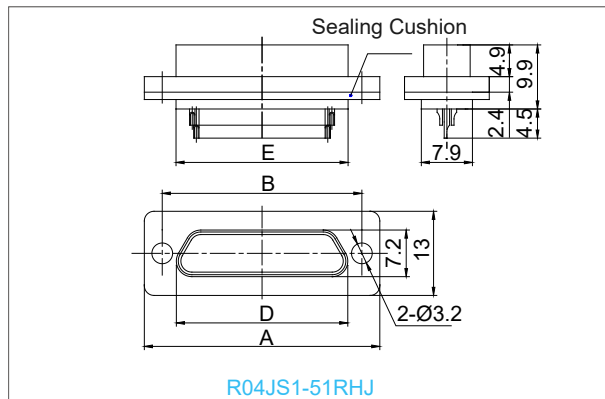
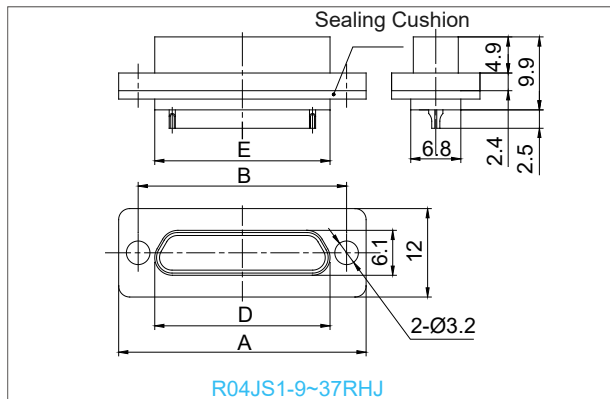
Sample Part Number	R04JS1	-25	RH	J	Q29	K	-A3
Series: R04JS1—Glass-Sintered Sealing(Receptacle Only)							
Contact Number: 9, 15, 21, 25, 31, 37, 51pins							
Contact Type : RH—Socket in Receptacle							
Tail Termination Type: J—Solder Cup							
Locking Hardware Type: Q29, Q36, Q37, Q43 (See page 74) No Code—No Locking Hardware							
Shell Material and Finish : K—Kovar Alloy Shell, Gold Plating							
Cable Clamp Type: A3—Cable Clamp (See page 75) No Code—No Cable Clamp							

Remark: This product is front panel mounting, we suggest using non-through threaded mounting hole.

Matching with locking hardware Q29, Q36, Q37, Q43. other mounting types need to be customized.



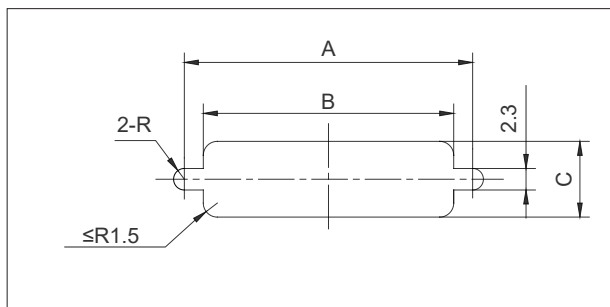
Outline Dimensions



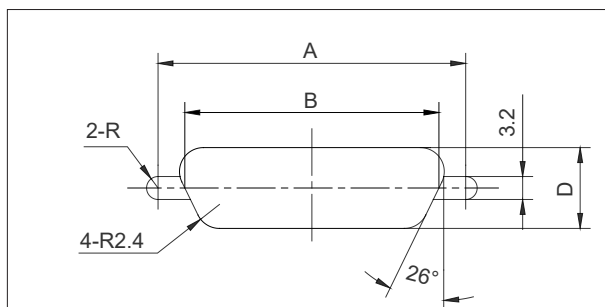
Part Number	A	B	D	E
R04JS1-9RHJ	19.6	14.3	9.8	9.7
R04JS1-15RHJ	23.5	18.2	13.7	13.6
R04JS1-21RHJ	27.4	22	17.4	17.4
R04JS1-25RHJ	29.8	24.5	20	20
R04JS1-31RHJ	33.6	28.3	23.8	23.8
R04JS1-37RHJ	37.4	32.2	27.7	27.6
R04JS1-51RHJ	36.4	30.86	26.5	26.4

Solder Cup Types (R04JS and R04JS1) - Mounting Hole Dimensions

■ Suitable For Products: R04JS-*RHJ and R04JS1-*RHJ



Mounting Hole Dimensions For Front Panel Mounting



Mounting Hole Dimensions For Rear Panel Mounting

Contact Nos	A	B	C	D	Contact Nos	A	B	C	D
9 pins	14.3	10.2	7	6.3	37 pins	32.2	28.1	7	6.3
15 pins	18.2	14.1	7	6.3	51 pins	30.86	26.9	8.1	7.4
21 pins	22	17.9	7	6.3	66 pins	37.3	33.4	8.1	7.4
25 pins	24.5	20.5	7	6.3	74 pins	33.5	29.4	9.3	8.6
31 pins	28.3	24.3	7	6.3	100 pins	45.7	37	9.3	8.6

Remark: 1. R04JS and R04JS1 are both sealing products, we suggest using non-through threaded mounting hole for front panel mounting.

2. All dimensions are in mm.