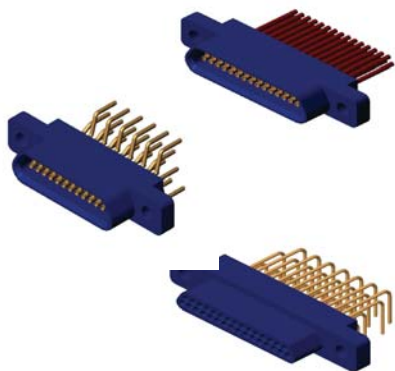


MIL-DTL-83513 Micro-D Connectors

R04 Series Plastic Connectors

Brief Introduction

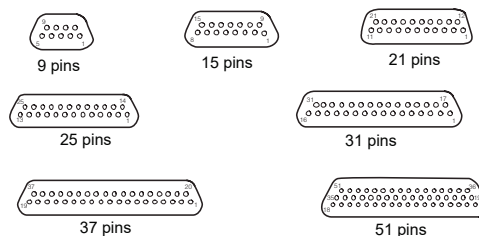


- Micro-D Connectors
- Twist Pin Contacts, High Density
- PPS Insulator/Shell
PPS-15% Glass Filled Polyphenylene Sulfide
- Contacts: BeCu, Gold Plating, Gold Thickness: 1.27μm
- Termination Type:
Crimp, Solder Cup, Straight to PCB, Right Angle to PCB
- The Sectional Area of Cable: 0.1mm²~0.15mm², 0.07mm²
- 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



Face View Plug Connector

How To Order

Sample Part Number

R04

-25

PI

J

K01

Series:

R04—Micro-D Plastic Connectors for MIL-DTL-83513

Contact Number:

9, 15, 21, 25, 31, 37, 51pins

Contact Type:

PI—Pin in Plug

RH—Socket in Receptacle

Tail Termination Type:

No Code—Crimp

J—Solder Cup

S—Straight to PCB, The Column Spacing of Tail is 2.54mm

S1—Straight to PCB, PCB Layout is 2.54*2.54mm

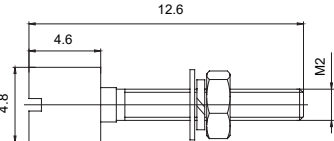
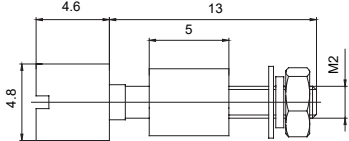
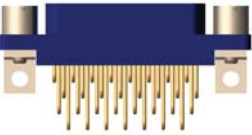
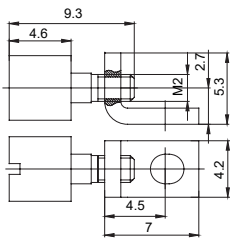
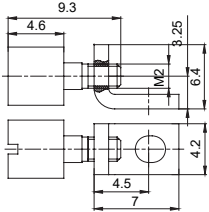
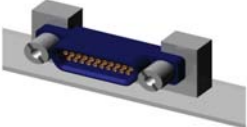
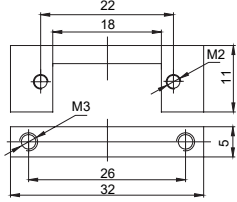
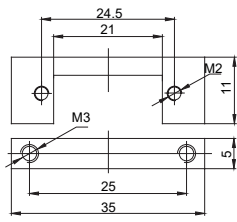
F—Right Angle to PCB, PCB Layout is 2.54*2.54mm

Accessories Type:

K01—Accessories Type (See page 85)

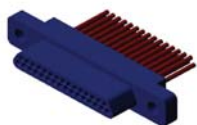


R04 Series Accessories

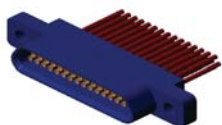
Type	Before Assembling	Assembly Picture	Outline Dimensions	Feature and Matching Accessories
K01			Standard Accessory	1. Screw Post Size:M2*6 2. Matching Accessories: K02, K03
K02				1. Just suitable for front panel mounting 2. Matching Accessories : K01
K03				1. Suitable for straight to PCB connectors, PCB thickness not over 2.5mm. 2. Matching Accessories: K01
K04				1. Suitable for R04-9, 15, 21, 25, 31,37PIF/PIFJ/RHF/RHFJ 2. Matching Accessories: K01
K05				1. Suitable for R04-51PIF/PIFJ/ RHF/ RHFJ 2. Matching Accessories: K01
K06				1. Suitable for R04-9, 15, 21 25, 31, 37PIF/PIFJ/RHF/RHFJ 2. K06 includes K01 locking screw
K07				1. Suitable for R04-51PIF/PIF-J/ RHF/ RHF-J 2. K07 includes K01 locking screw

Remark: All dimensions are in mm.

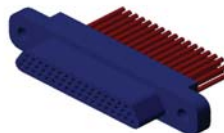
Product Stereogram of Crimp Connectors



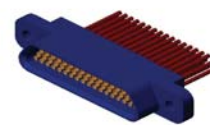
R04-31PI



R04-31RH

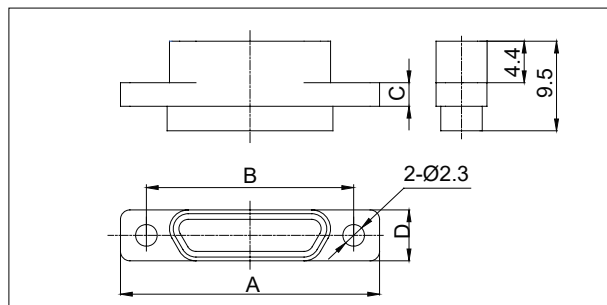
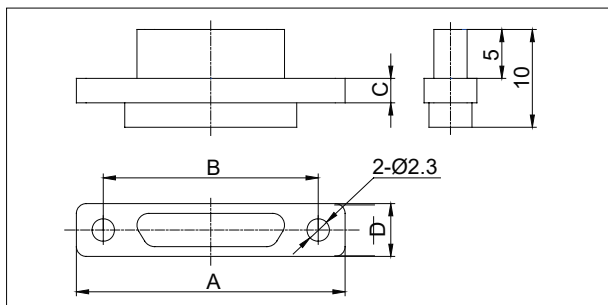


R04-51PI



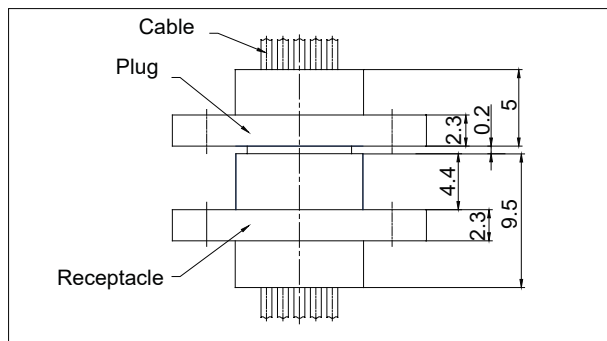
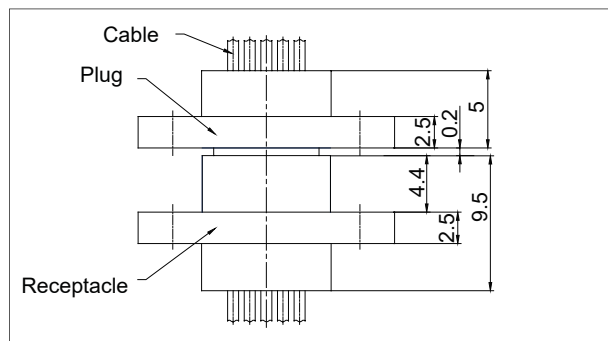
R04-51RH

Outline Dimensions of Solder Cup and Crimp Connectors



Part Number	A	B	C	D	Part Number	A	B	C	D
R04-9PI/9PIJ	19.8	14.3	2.5	5.4	R04-9RH/9RHJ	19.8	14.3	2.5	5.4
R04-15PI/15PIJ	23.6	18.2	2.5	5.4	R04-15RH/15RHJ	23.6	18.2	2.5	5.4
R04-21PI/21PIJ	27.5	22	2.5	5.4	R04-21RH/21RHJ	27.5	22	2.5	5.4
R04-25PI/25PIJ	30	24.5	2.5	5.4	R04-25RH/25RHJ	30	24.5	2.5	5.4
R04-31PI/31PIJ	33.7	28.3	2.5	5.4	R04-31RH/31RHJ	33.7	28.3	2.5	5.4
R04-37PI/37PIJ	37.5	32.2	2.5	5.4	R04-37RH/37RHJ	37.5	32.2	2.5	5.4
R04-51PI/51PIJ	36.3	30.8	2.3	6.5	R04-51RH/51RHJ	36.3	30.8	2.3	6.5

Outline Dimensions After Mating



Remark: All dimensions are in mm.

Product Stereogram of Straight to PCB Connectors (S Type)

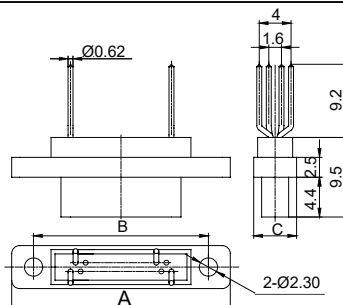


R04-21RHS

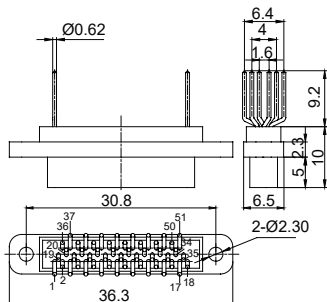


R04-51RHS

Outline Dimensions



R04-9~37RHS



R04-51RHS

Part Number	A	B	C	Part Number	A	B	C
R04-9PIS	19.8	14.3	5.4	R04-9RHS	19.8	14.3	5.4
R04-15PIS	23.6	18.2	5.4	R04-15RHS	23.6	18.2	5.4
R04-21PIS	27.5	22	5.4	R04-21RHS	27.5	22	5.4
R04-25PIS	30	24.5	5.4	R04-25RHS	30	24.5	5.4
R04-31PIS	33.7	28.3	5.4	R04-31RHS	33.7	28.3	5.4
R04-37PIS	37.5	32.2	5.4	R04-37RHS	37.5	32.2	5.4

Remark: All dimensions are in mm.

Product Stereogram of Straight to PCB Connectors (S1 Type)



R04-25PIS1



R04-25RHS1

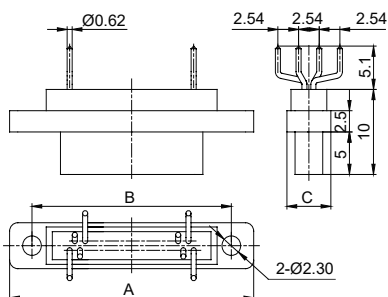


R04-51PIS1

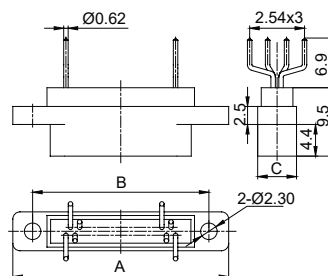


R04-51RHS1

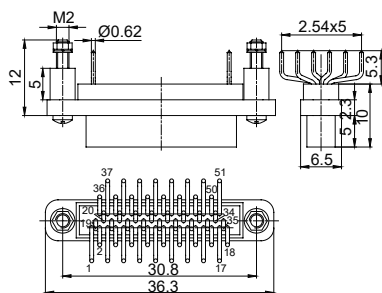
Outline Dimensions



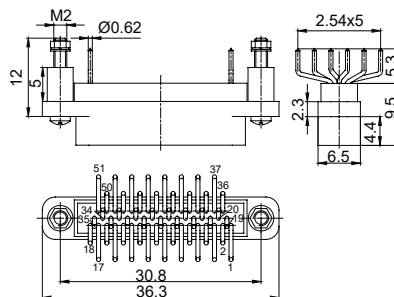
R04-9~37PIS1



R04-9~37RHS1



R04-51PIS1



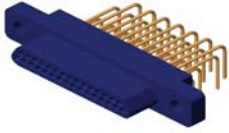
R04-51RHS1

Part Number	A	B	C	Part Number	A	B	C
R04-9PIS1	19.8	14.3	5.4	R04-9RHS1	19.8	14.3	5.4
R04-15PIS1	23.6	18.2	5.4	R04-15RHS1	23.6	18.2	5.4
R04-21PIS1	27.5	22	5.4	R04-21RHS1	27.5	22	5.4
R04-25PIS1	30	24.5	5.4	R04-25RHS1	30	24.5	5.4
R04-31PIS1	33.7	28.3	5.4	R04-31RHS1	33.7	28.3	5.4
R04-37PIS1	37.5	32.2	5.4	R04-37RHS1	37.5	32.2	5.4

Remark: All dimensions are in mm.



Product Stereogram of Right Angle to PCB Connectors (F Type)



R04-31PIF



R04-31RHF

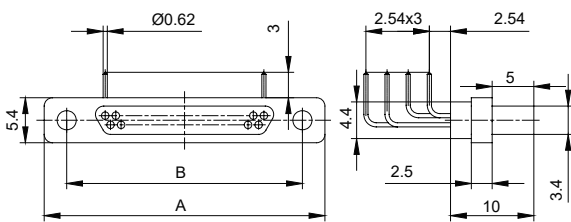


R04-51PIF

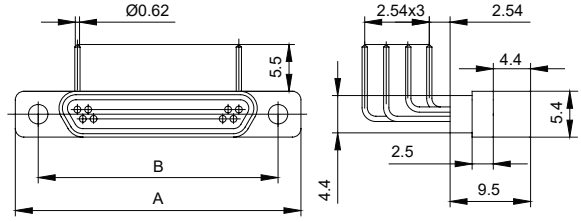


R04-51RHF

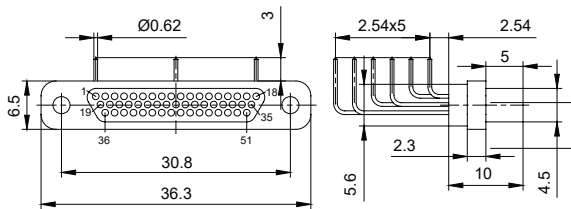
Outline Dimensions



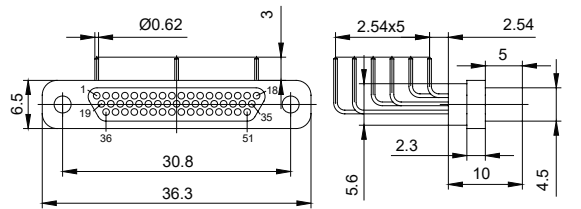
R04-9~37PIF



R04-9~37RHF



R04-51PIF

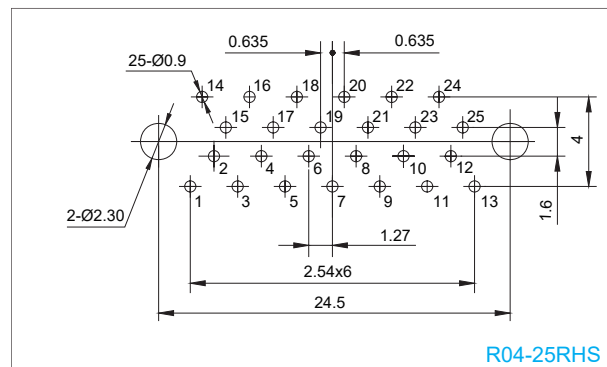
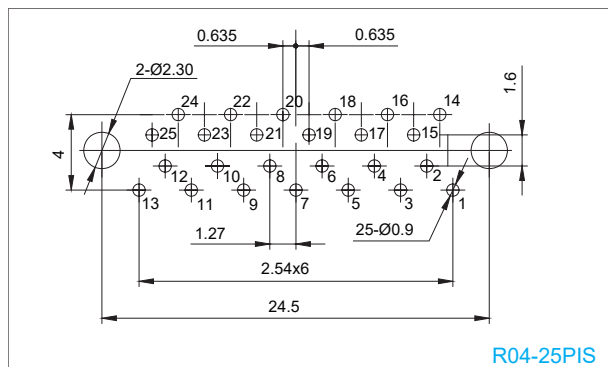
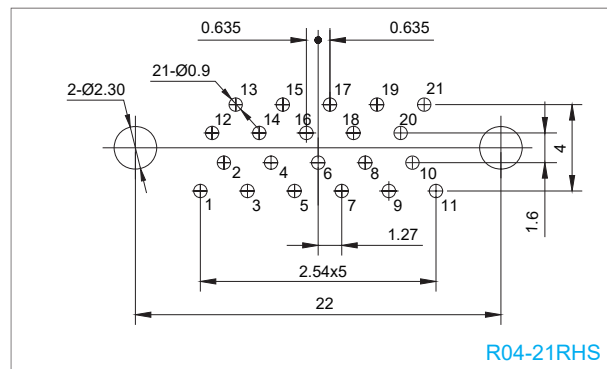
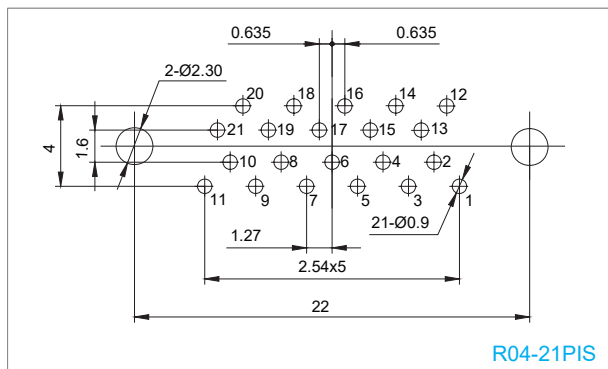
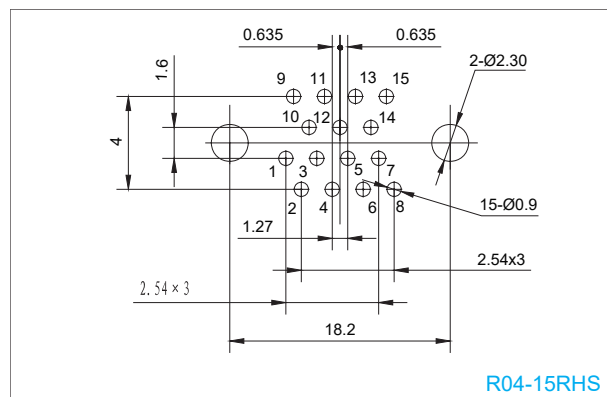
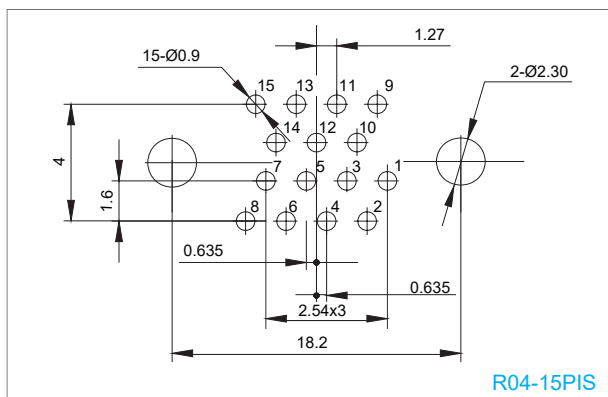
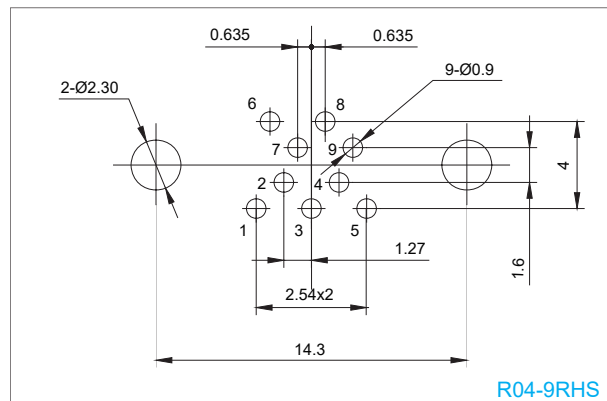
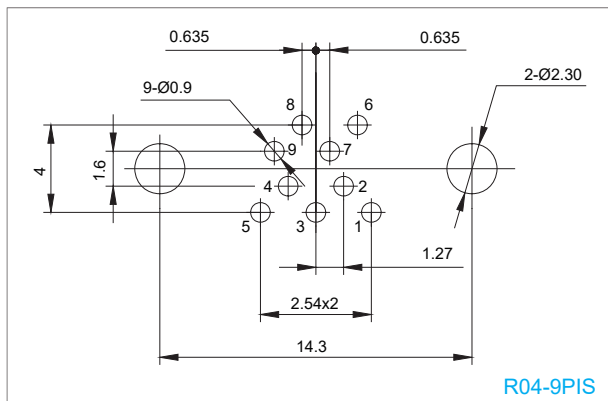


R04-51RHF

Part Number	A	B	Part Number	A	B
R04-9PIF	19.8	14.3	R04-9RHF	19.8	14.3
R04-15PIF	23.6	18.2	R04-15RHF	23.6	18.2
R04-21PIF	27.5	22	R04-21RHF	27.5	22
R04-25PIF	30	24.5	R04-25RHF	30	24.5
R04-31PIF	33.7	28.3	R04-31RHF	33.7	28.3
R04-37PIF	37.5	32.2	R04-37RHF	37.5	32.2

Remark: All dimensions are in mm.

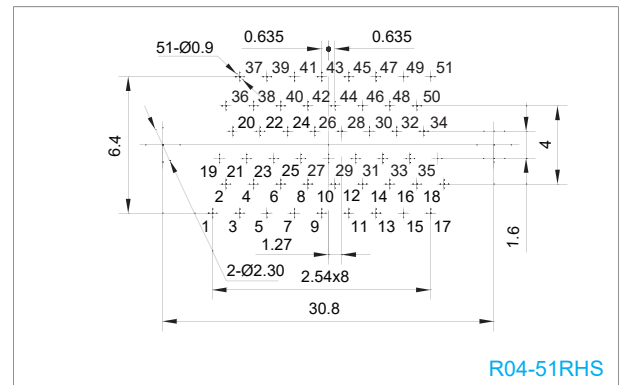
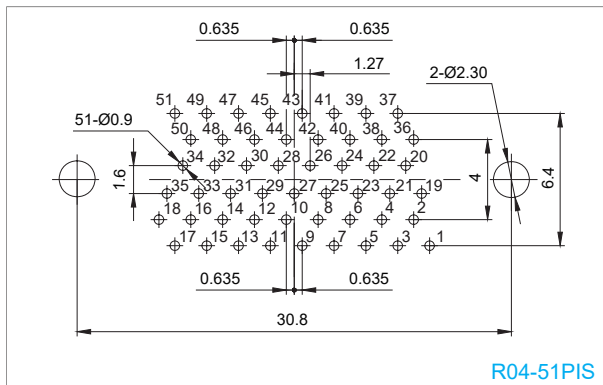
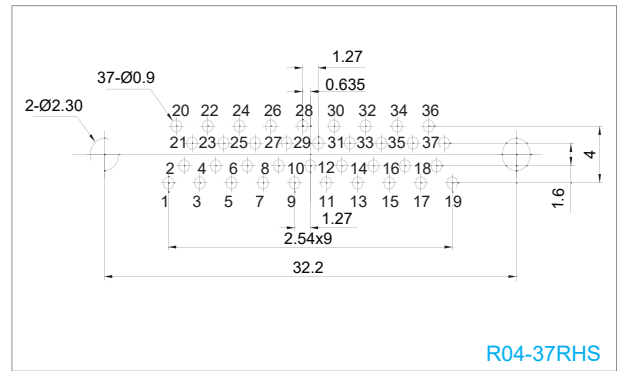
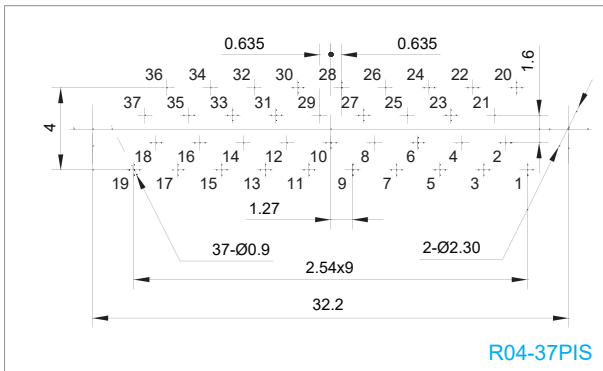
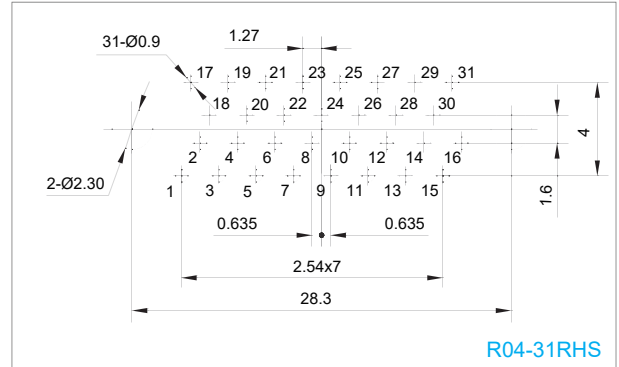
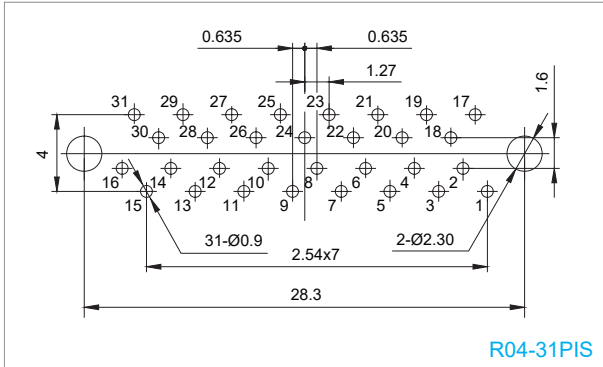
Straight to PCB Connectors (S Type)--PCB Layout



Remark: All dimensions are in mm.

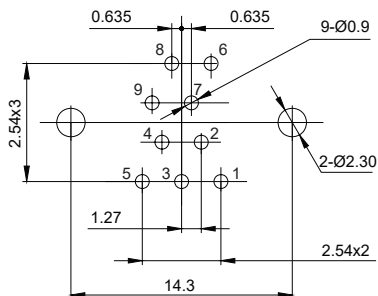


Straight to PCB Connectors (S Type)--PCB Layout

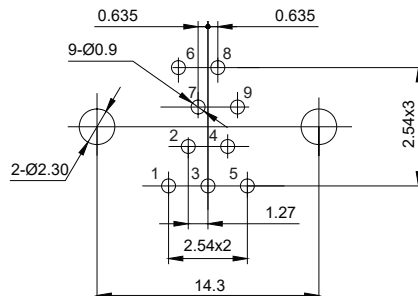


Remark: All dimensions are in mm.

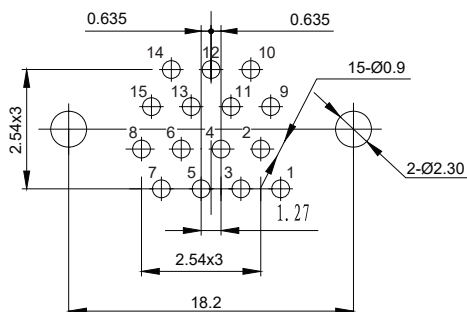
Straight to PCB Connectors (S1 Type)--PCB Layout



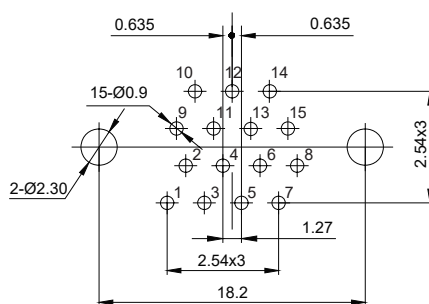
R04-9PIS1



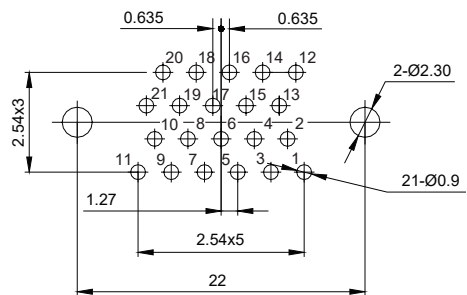
R04-9RHS1



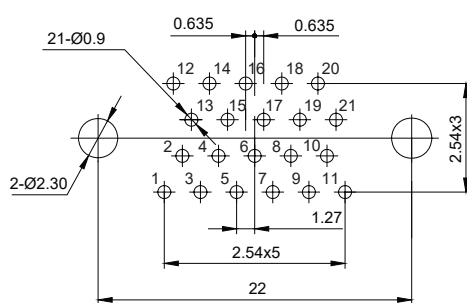
R04-15PIS1



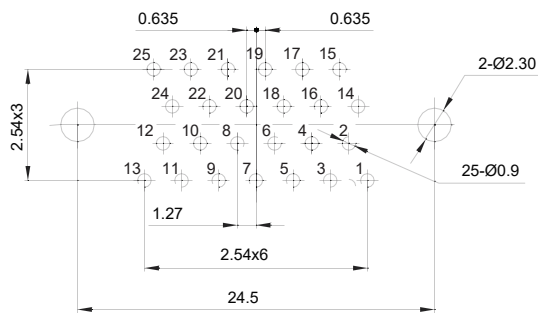
R04-15RHS1



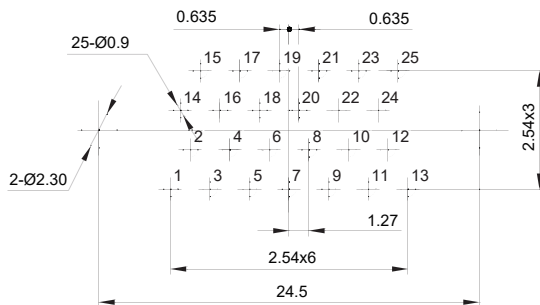
R04-21PIS1



R04-21RHS1



R04-25PIS1

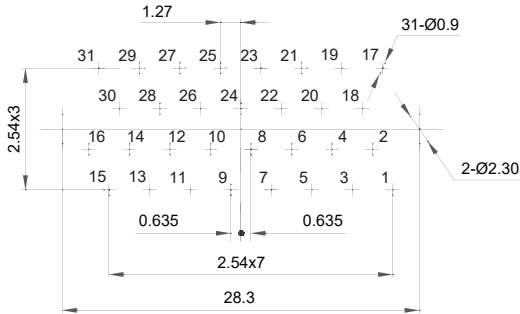


R04-25RHS1

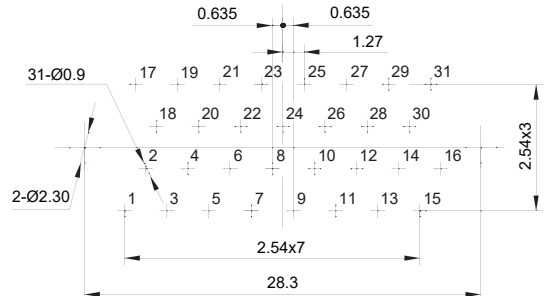
Remark: All dimensions are in mm.



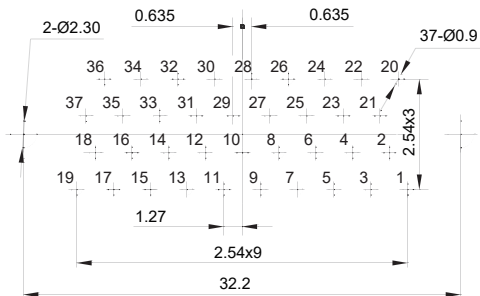
Straight to PCB Connectors (S1 Type)--PCB Layout



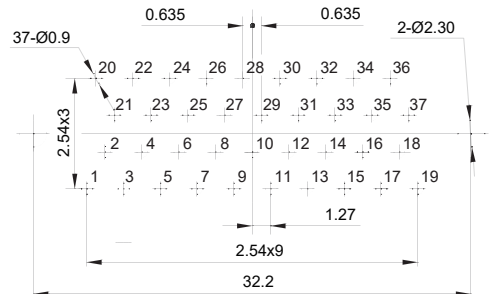
R04-31PIS1



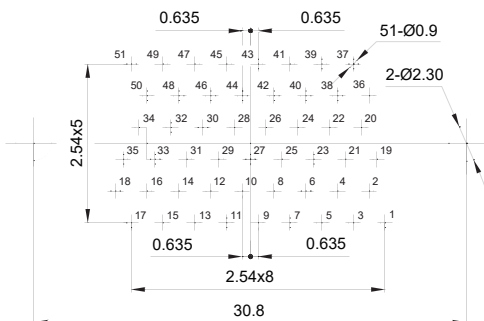
R04-31RHS1



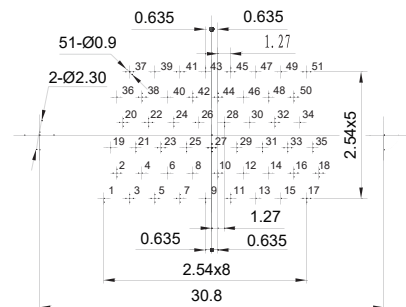
R04-37PIS1



R04-37RHS1



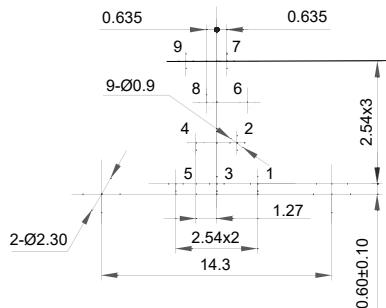
R04-51PIS1



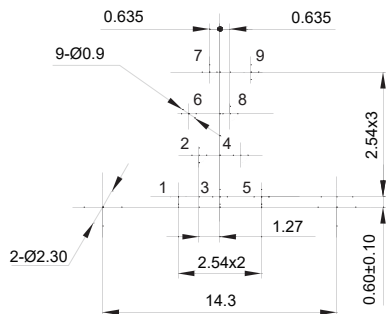
R04-51RHS1

Remark: All dimensions are in mm.

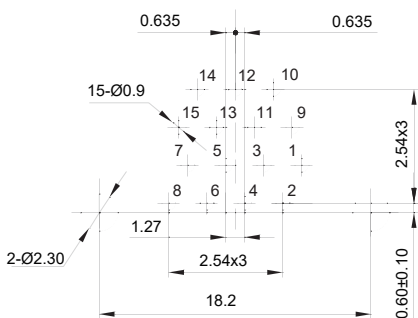
Right Angle to PCB Connectors (F Type)--PCB Layout



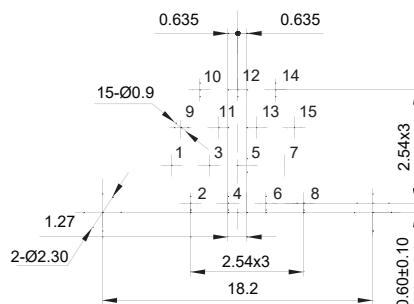
R04-9PIF



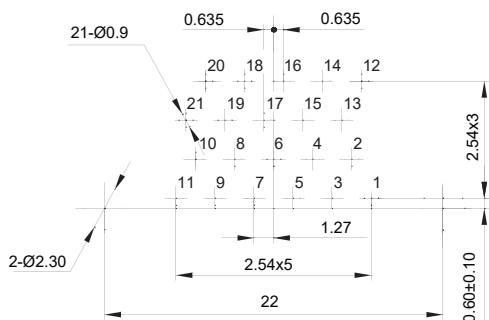
R04-9RHF



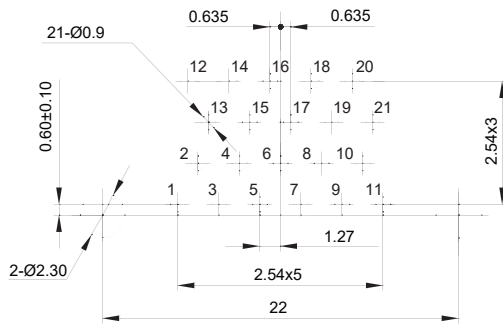
R04-15PIF



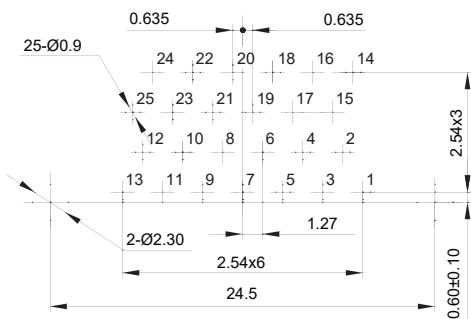
R04-15RHF



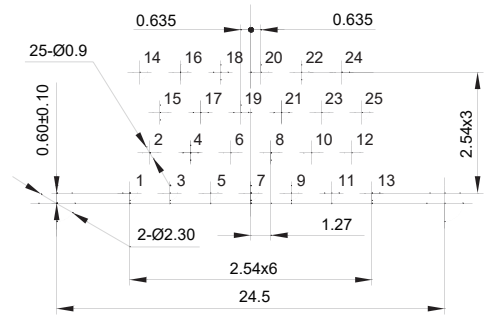
R04-21PIF



R04-21RHF



R04-25PIF

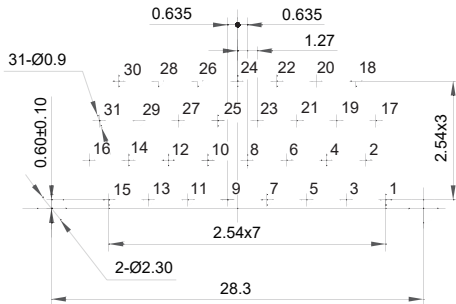


R04-25RHF

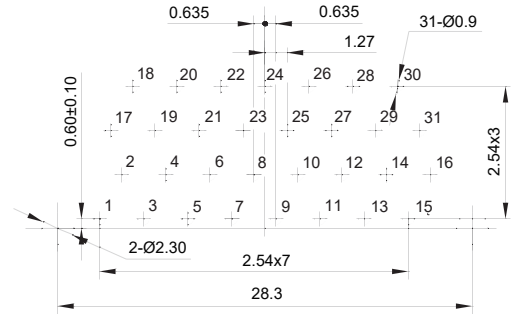
Remark: All dimensions are in mm.



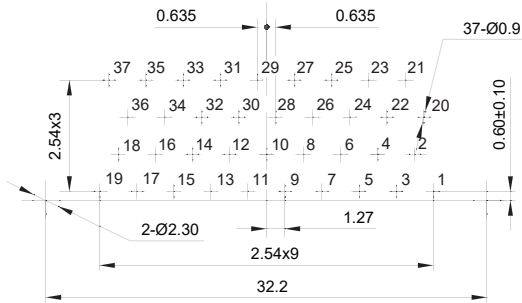
Right Angle to PCB Connectors (F Type)--PCB Layout



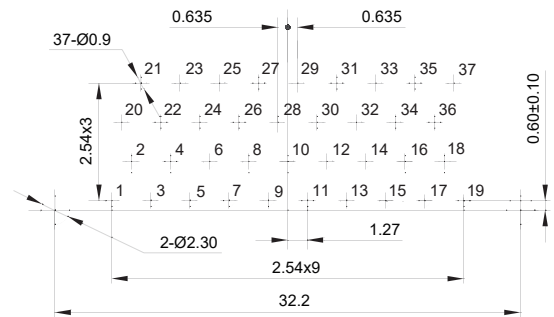
R04-31PIF



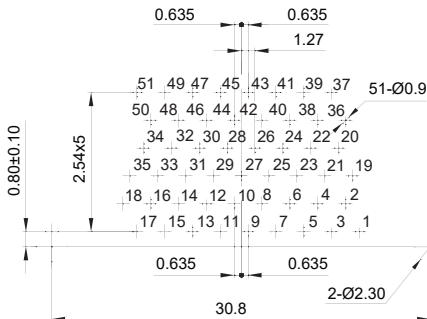
R04-31RHF



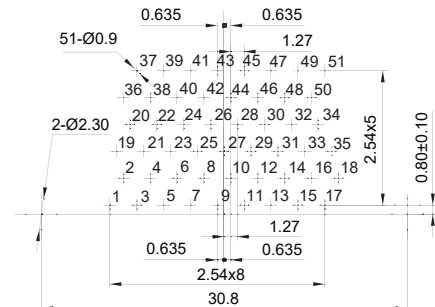
R04-37PIF



R04-37RHF



R04-51PIF



R04-51RHF

Remark: All dimensions are in mm.