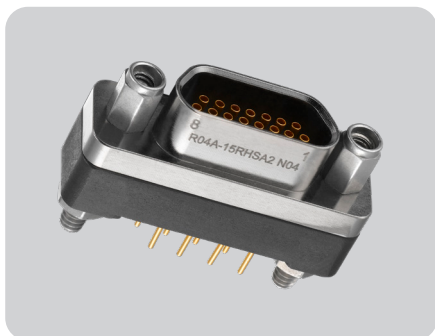


MIL-DTL-83513 Micro-D Connectors

R04A Series Straight To PCB Connectors



Brief Introduction

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

Specifications

Environment Temperature:	-55°C ~+125°C
Vibration:	10Hz~2000Hz, 196m/s ²
Random Vibration:	Power spectrum density 0.4G ² /Hz, root mean square value of total acceleration 23.1G
Shock:	735m/s ² 11ms
Rated Current:	3A
Contact Resistance:	≤10mΩ
Insulation Resistance:	≥5000MΩ
Dielectric Strength:	800V
Durability:	500 times

Product Stereogram



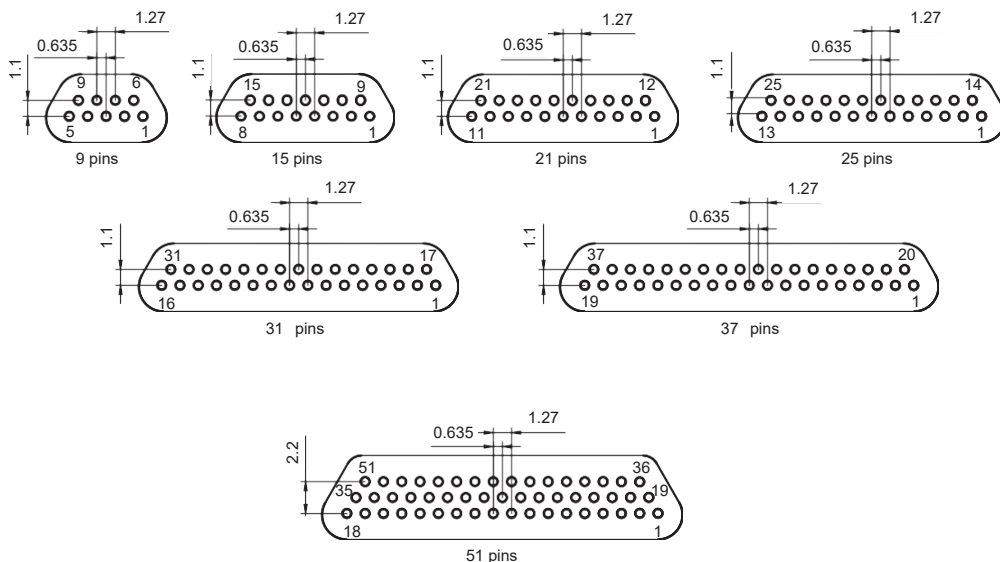
SA Style



SB Style



Contact Arrangements



Mating Face of Male Connectors

How To Order

Sample Part Number

R04A

-31

PI

SA

3

N04

G

Series:

R04A—Micro-D Connectors for MIL-DTL-83513

Contact Number:

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

Contact Type:

PI—Pin in Plug

RH—Socket in Receptacle

Termination Type:

SA—SA Style and The PCB Layout is 2.54*1.91mm

SB—SB Style and The PCB Layout is 2.54*2.54mm

Tail Length:

1—2.77mm

2—3.56mm

3—4.37mm

Locking Hardware:

N04—Locking Hardware Type (See page 3)

No Code—No Locking Hardware

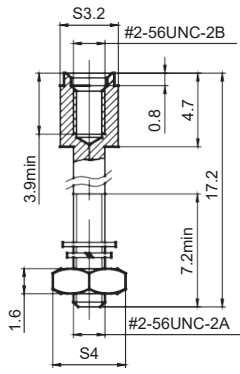
Shell Material and Finish :

G—Aluminum Shell, Cadmium Plating

No Code—Aluminum Shell, Nickel Plating

U—Aluminum Shell, Gold Plating

Locking Hardware

Code	Feature	Stereogram	Outline Dimensions
N04	1. Jackpost 2. Hex Head 3. Vertical Mounting with PCB		

Remark: All dimensions are in mm.

Tail Lengths

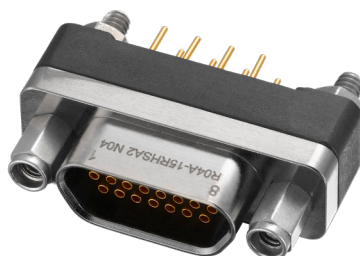
Tail Code	Tail Length	Recommend The Thickness Of PCB
1	2.77	1.2~2.2
2	3.56	2.0~3.0
3	4.37	2.8~3.8

Remark: All dimensions are in mm.

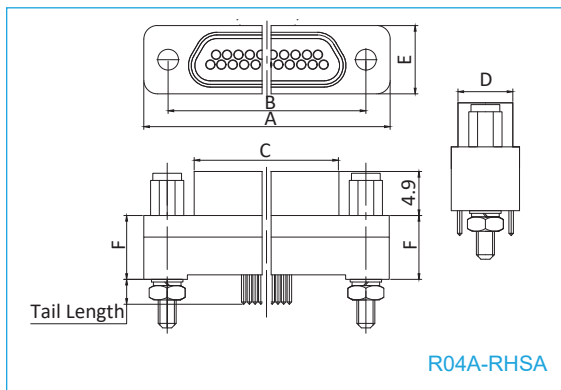
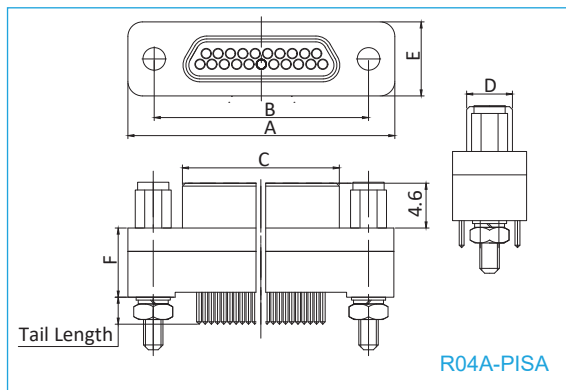


R04A Series Straight To PCB Connectors-SA Style

Product Stereogram



Outline Dimensions



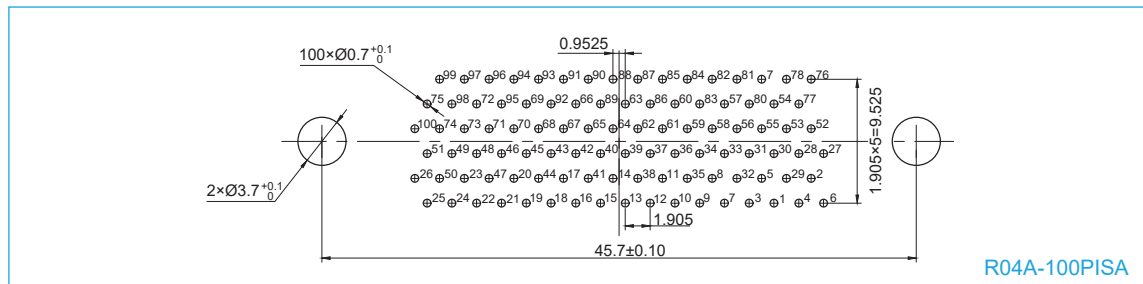
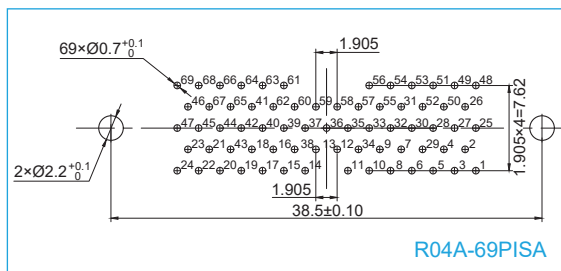
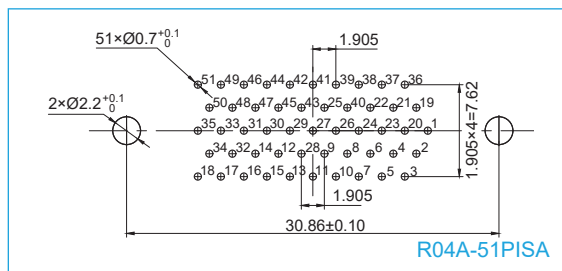
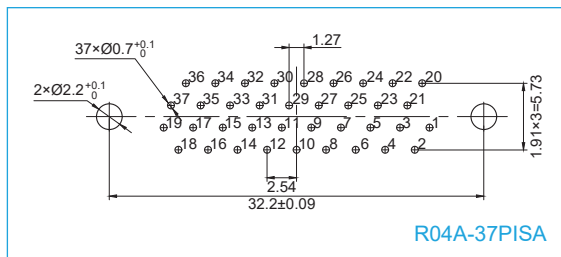
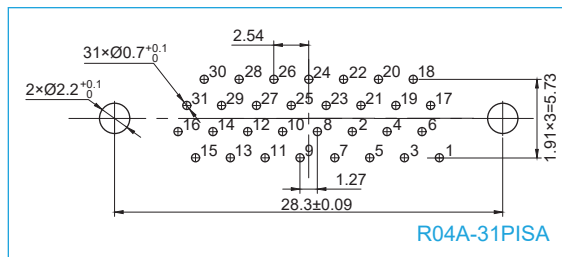
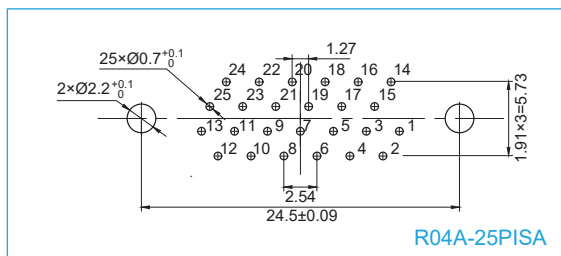
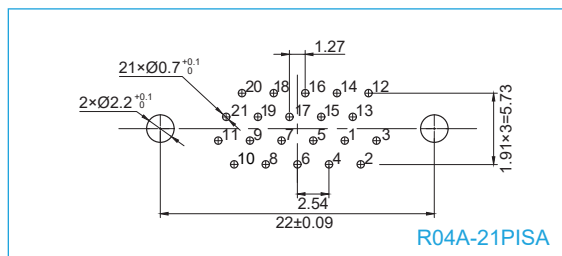
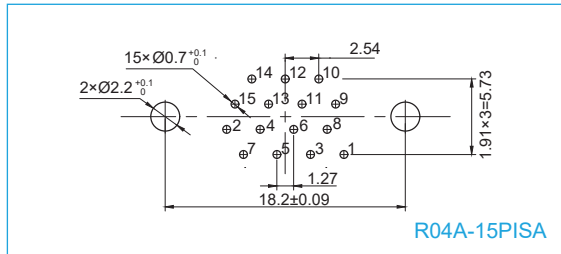
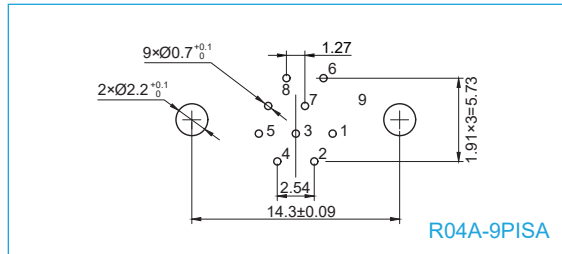
Part Number	Outline Dimensions					
	A ±0.10	B ±0.10	C ±0.10	D ±0.10	E ±0.10	F ±0.10
R04A-9PISA	19.6	14.3	8.4	4.7	7.6	7.1
R04A-15PISA	23.5	18.2	12.3	4.7	7.6	7.1
R04A-21PISA	27.3	22	16.1	4.7	7.6	7.1
R04A-25PISA	29.8	24.5	18.6	4.7	7.6	7.1
R04A-31PISA	33.6	28.3	22.4	4.7	7.6	7.1
R04A-37PISA	37.4	32.1	26.2	4.7	7.6	7.1
R04A-51PISA	36.5	30.9	25	5.8	8.7	8.2
R04A-9RHSA	19.6	14.3	9.9	6.1	7.6	7.1
R04A-15RHSA	23.5	18.2	13.7	6.1	7.6	7.1
R04A-21RHSA	27.3	22	17.5	6.1	7.6	7.1
R04A-25RHSA	29.8	24.5	20.1	6.1	7.6	7.1
R04A-31RHSA	33.6	28.3	23.9	6.1	7.6	7.1
R04A-37RHSA	37.4	32.1	27.7	6.1	7.6	7.1
R04A-51RHSA	36.5	30.9	26.7	7.2	8.7	8.2

Remark: All dimensions are in mm.



R04A Series Straight to PCB Connectors SA Style-PCB Layout

■ Plug Connectors

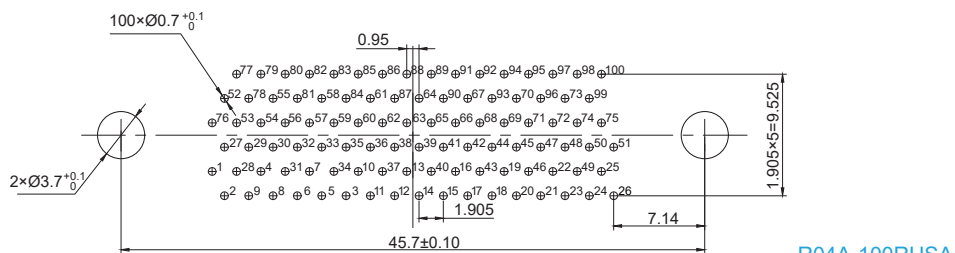
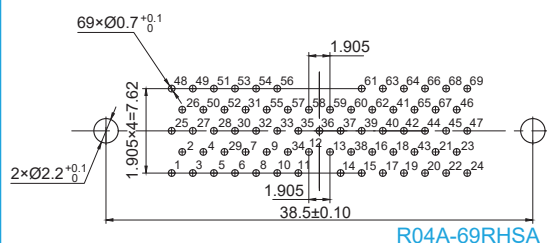
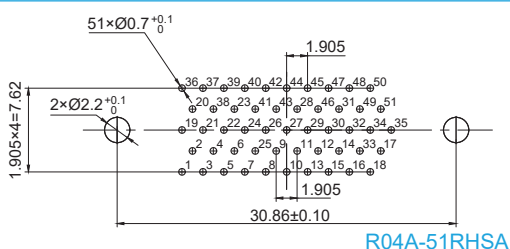
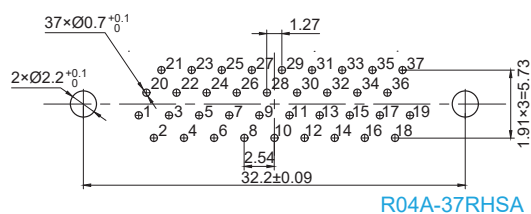
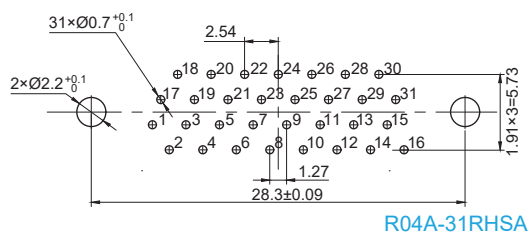
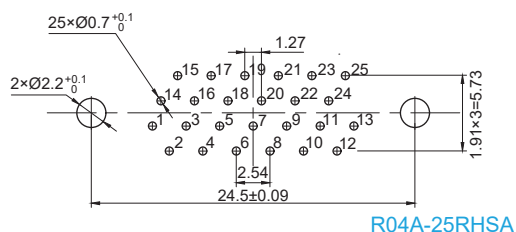
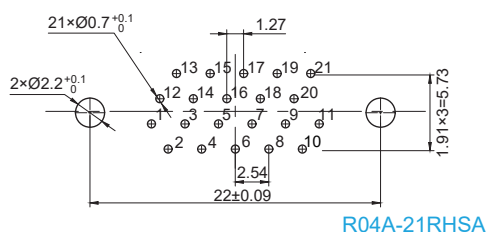
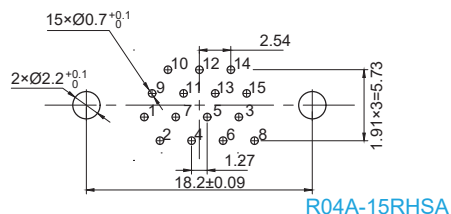
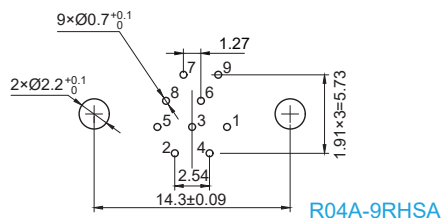


Remark: 1. All dimensions are in mm.
2. View top side from PCB board.



R04A Series Straight to PCB Connectors SA Style-PCB Layout

Receptacle Connectors



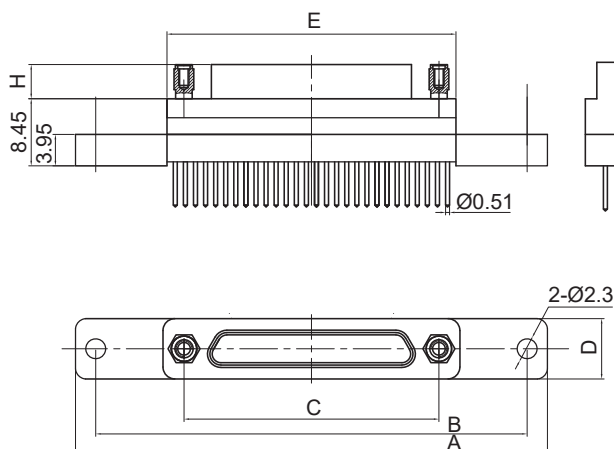
Remark: 1. All dimensions are in mm.
2. View top side from PCB board.

R04A Series Straight To PCB Connectors-SB Style

Product Stereogram



Outline Dimensions



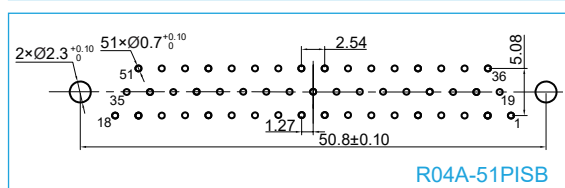
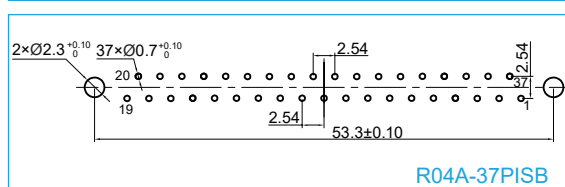
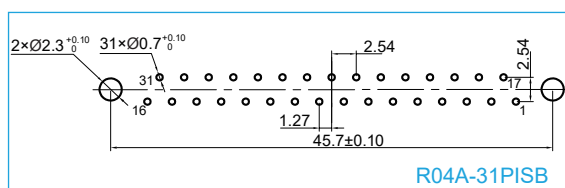
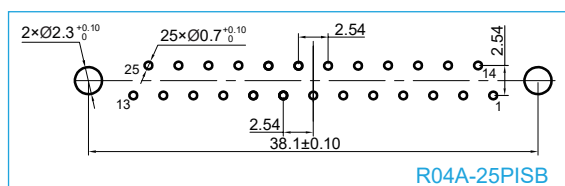
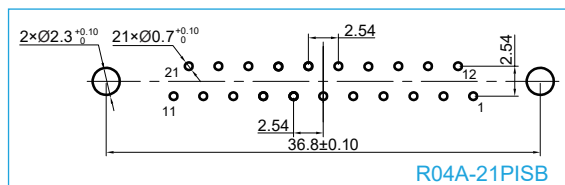
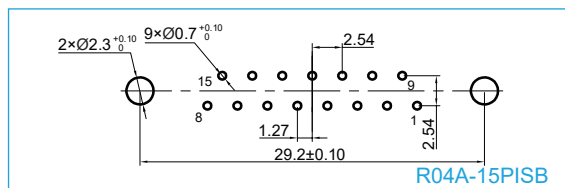
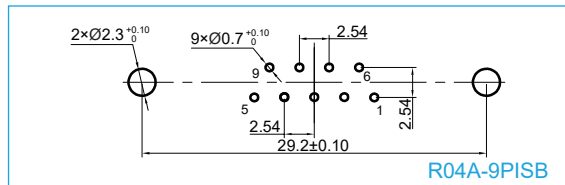
Part Number	Outline Dimensions						
	A ±0.10	B ±0.10	C ±0.10	D ±0.10	E ±0.10	H ±0.10	
						PI	RH
R04A-9PISB	35.31	29.21	14.35	7.9	20.1	4.6	4.9
R04A-15PISB	35.31	29.21	18.16	7.9	23.9	4.6	4.9
R04A-21PISB	42.93	36.83	21.97	7.9	30.0	4.6	4.9
R04A-25PISB	44.2	38.1	24.51	7.9	32.4	4.6	4.9
R04A-31PISB	51.82	45.72	28.32	7.9	40.0	4.6	4.9
R04A-37PISB	59.44	53.34	32.13	7.9	47.6	4.6	4.9
R04A-51PISB	57.64	50.8	30.86	8.9	45.1	4.6	4.9

Remark: All dimensions are in mm.

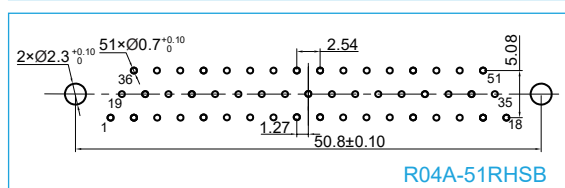
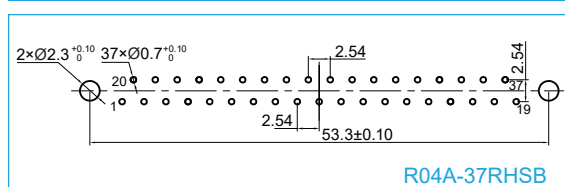
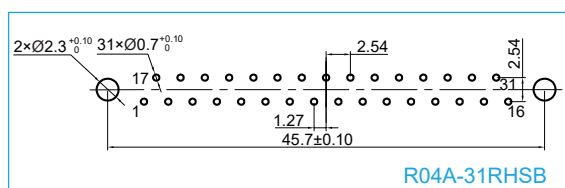
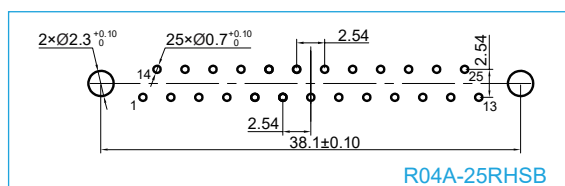
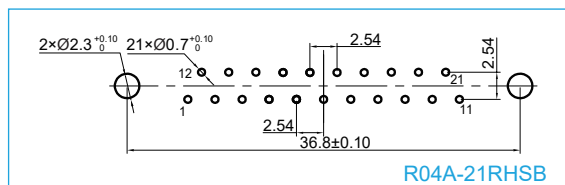
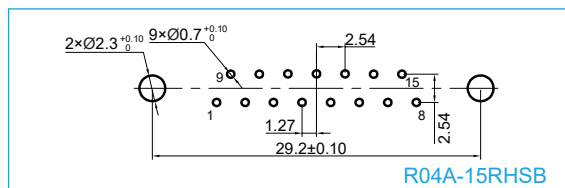
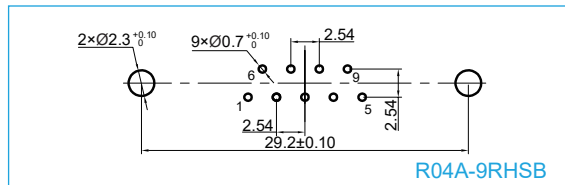


R04A Series Straight to PCB Connectors SB Style-PCB Layout

■ Plug Connectors



■ Receptacle Connectors



Remark: 1. All dimensions are in mm.
2. View top side from PCB board.