

MIL-DTL-83513 Micro-D Connectors

R04A Series Crimping Connectors

Brief Introduction

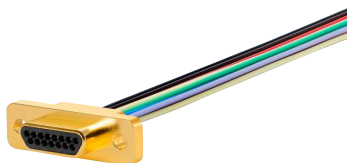


- Micro-D Connectors
- Twist Pin Contacts, High Density
- Metal Shell, Nickel, Gold or Cadmium Plating
- Crimping Connectors
- The Sectional Area of Cable: $0.1\text{mm}^2 \sim 0.15\text{mm}^2$, 0.07mm^2
- Meets MIL-DTL-83513

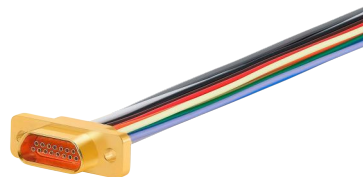
Specifications

- | | |
|----------------------------|---|
| ■ Environment Temperature: | $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$ |
| ■ Vibration: | 10Hz~2000Hz, 196m/s^2 |
| ■ Random Vibration: | Power spectrum density $0.4\text{G}^2/\text{Hz}$, root mean square value of total acceleration 23.1G |
| ■ Shock: | 735m/s^2 11ms |
| ■ Rated Current: | 3A |
| ■ Contact Resistance: | $\leq 10\text{m}\Omega$ |
| ■ Insulation Resistance: | $\geq 5000\text{M}\Omega$ |
| ■ Dielectric Strength: | 800V |
| ■ Durability: | 500 times |

Product Stereogram



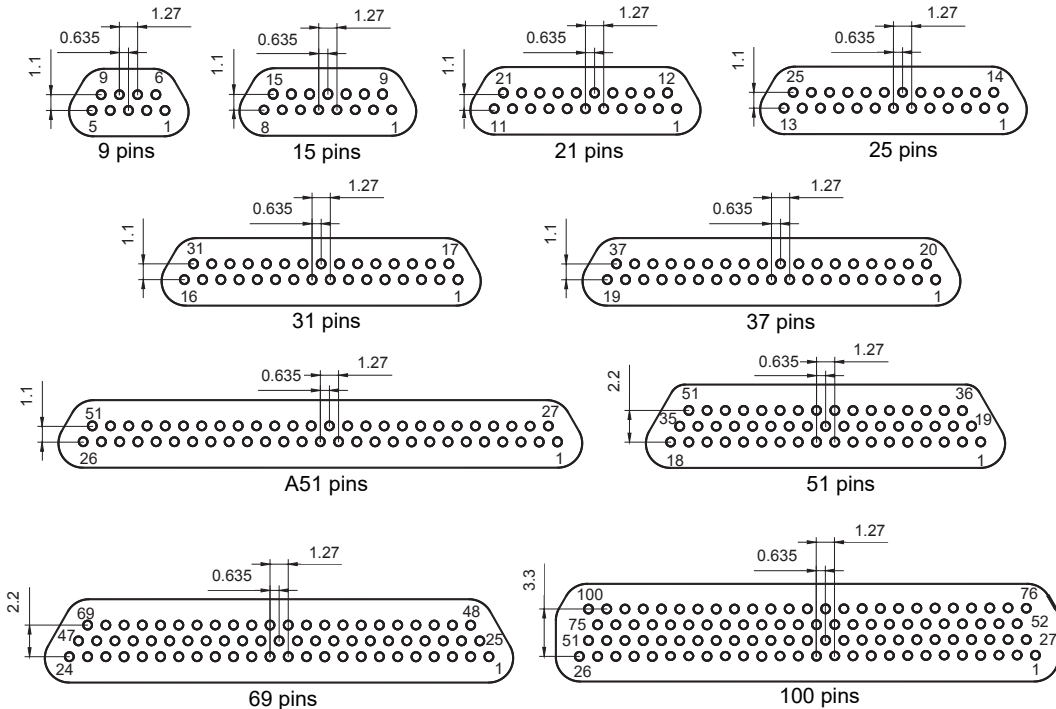
Plug



Receptacle



Contact Arrangements



How To Order

Sample Part Number

R04A -31 PI B01 G AA -26 9 10

Series:

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

Contact Number:

9, 15, 21, 25, 31, 37, A51, 51, 69, 100pins

Contact Type:

PI—Pin in Plug

RH—Socket in Receptacle

Locking Hardware Type:

B01—Locking Hardware (See page 32 to 36) 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

Backshell Type:

AA—Backshell Type (See page 37 to 39)

No Code—No Backshell

Wire Gage:

26—AWG26

Wire Color:

9—White Color

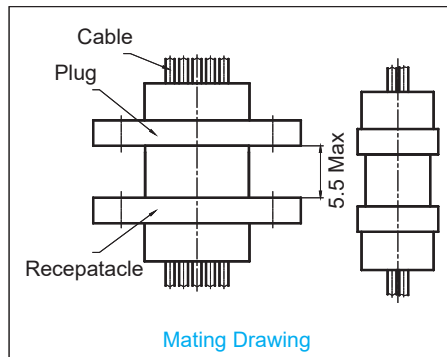
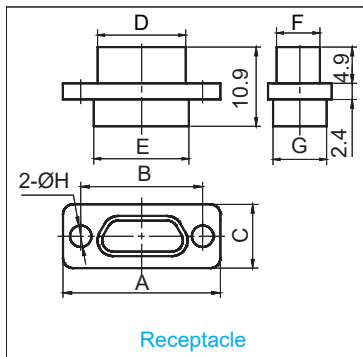
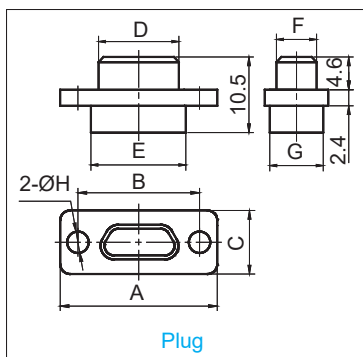
T—Ten Color Repeating

Wire Length:

10—Wire Length in cm. "10" Specifies 10 cm

R04A Series Crimping Connectors

Outline Dimensions



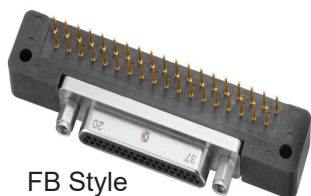
Part Number	Outline Dimensions							
	A	B	C	D	E	F	G	H
R04A-9PI	19.6	14.3	7.6	8.4	9.9	4.7	6.8	2.31
R04A-15PI	23.5	18.2	7.6	12.3	13.8	4.7	6.8	2.31
R04A-21PI	27.3	22	7.6	16.1	17.6	4.7	6.8	2.31
R04A-25PI	29.8	24.5	7.6	18.6	20.2	4.7	6.8	2.31
R04A-31PI	33.6	28.3	7.6	22.4	24	4.7	6.8	2.31
R04A-37PI	37.4	32.1	7.6	26.2	27.8	4.7	6.8	2.31
R04A-A51PI	46.3	41	7.6	35	36.7	4.7	6.8	2.31
R04A-51PI	36.2	30.9	8.7	25	26.6	5.8	7.9	2.31
R04A-69PI	43.8	38.5	8.7	32.6	34.2	5.8	7.9	2.31
R04A-100PI	54.7	45.7	9.7	35.1	36.6	6.8	9.1	3.7
R04A-9RH	19.6	14.3	7.6	9.9	9.9	6.1	6.8	2.31
R04A-15RH	23.5	18.2	7.6	13.7	13.8	6.1	6.8	2.31
R04A-21RH	27.3	22	7.6	17.5	17.6	6.1	6.8	2.31
R04A-25RH	29.8	24.5	7.6	20.1	20.2	6.1	6.8	2.31
R04A-31RH	33.6	28.3	7.6	23.9	24	6.1	6.8	2.31
R04A-37RH	37.4	32.1	7.6	27.7	22.8	6.1	6.8	2.31
R04A-A51RH	46.3	41	7.6	36.5	36.7	6.1	6.8	2.31
R04A-51RH	36.2	30.9	8.7	26.5	26.6	7.2	7.9	2.31
R04A-69RH	43.8	38.5	8.7	34.1	34.2	7.2	7.9	2.31
R04A-100RH	54.7	45.7	9.7	36.6	36.6	8.3	9.1	3.7

Remark: All dimensions are in mm.



MIL-DTL-83513 Micro-D Connectors

R04A Series Right Angle To PCB Connectors



FB Style



FA Style

Brief Introduction

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

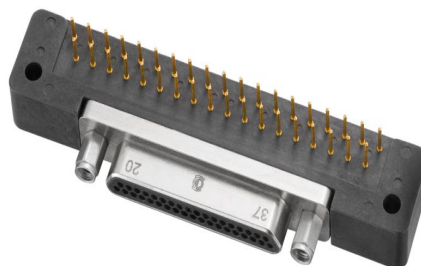
Specifications

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

Product Stereogram

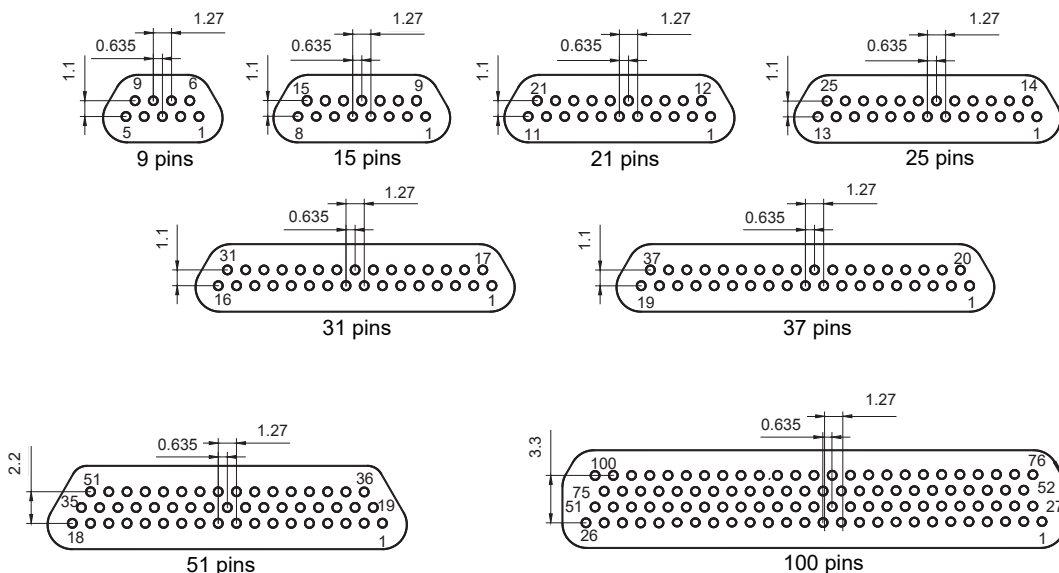


FA Style



FB Style

Contact Arrangements



Mating Face of Male Connectors

How To Order

Sample Part Number

R04A -31 PI FB 3 N02 G

Series:

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

Contact Number:

9, 15, 21, 25, 31, 37, 51, 100pins

Contact Type:

PI—Pin in Plug

RH—Socket in Receptacle

Termination Type:

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

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

Tail Length:

1—2.77mm

2—3.56mm

3—4.37mm

Locking Hardware:

N02—Locking Hardware Type (See page 11)

No Code—No Locking Hardware

Shell Material and Finish :

G—Aluminum Shell, Cadmium Plating

U—Aluminum Shell, Gold Plating

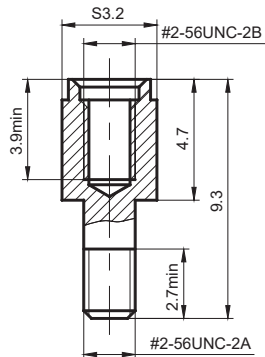
No Code—Aluminum Shell, Nickel Plating



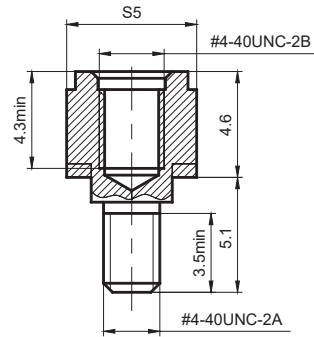
Locking Hardware

Code	Feature	Panel Thickness	Stereogram	Outline Dimensions
N02	Hex Head	/		Please See Below
N08	1. Hex Head 2. Rear Panel Mounting Only	$1.5^{+0}_{-0.10}$ mm		

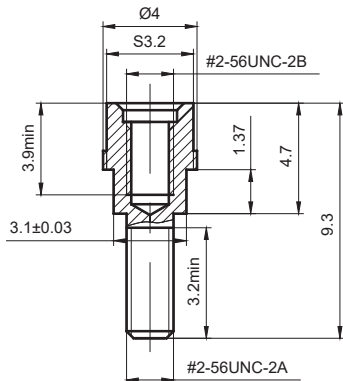
Outline Dimensions



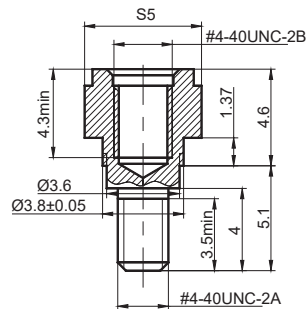
N02 for 9~69pins



N02 for 100pins



N08 for 9~69pins



N08 for 100pins

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

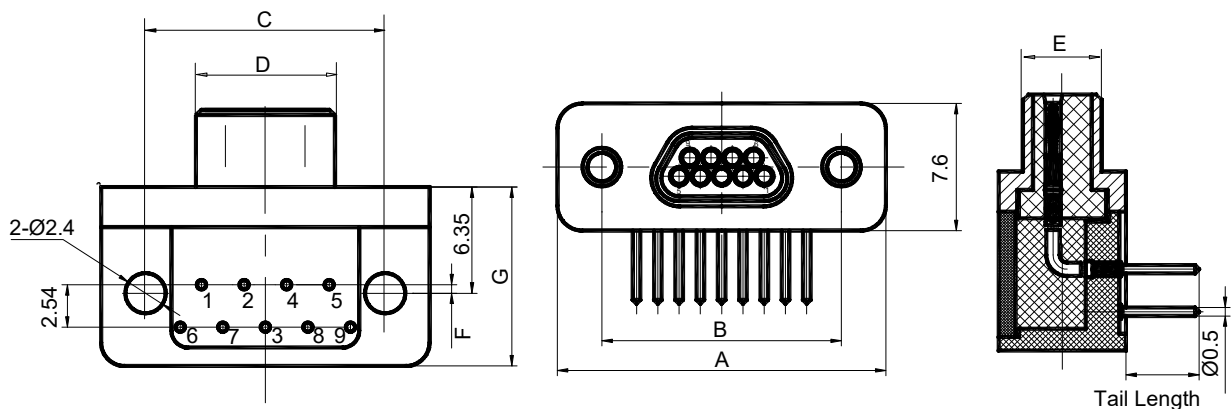
Remark: All dimensions are in mm.

R04A Series Right Angle To PCB Connectors-FA Style

Product Stereogram



Outline Dimensions



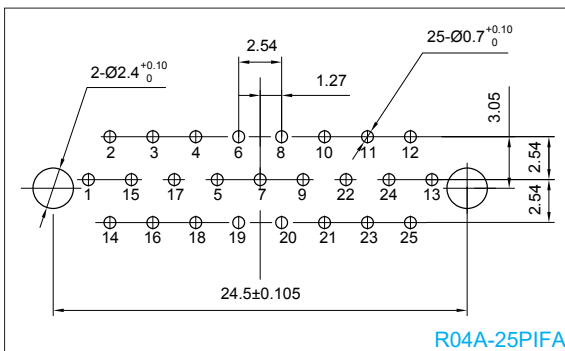
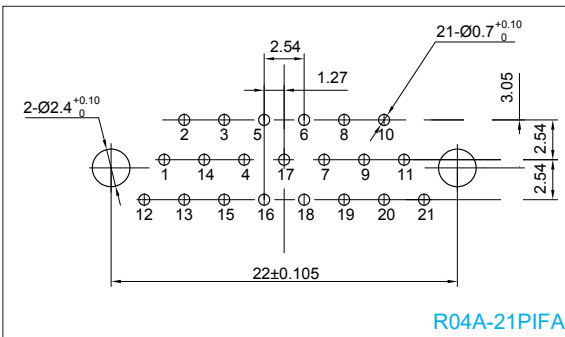
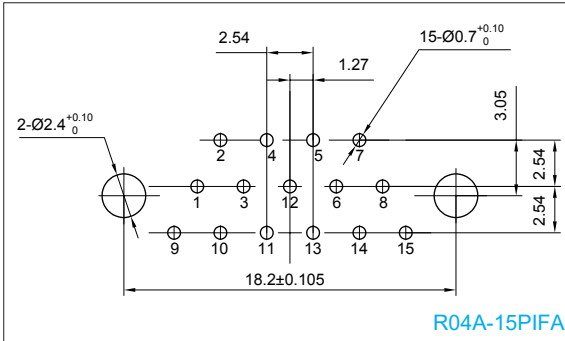
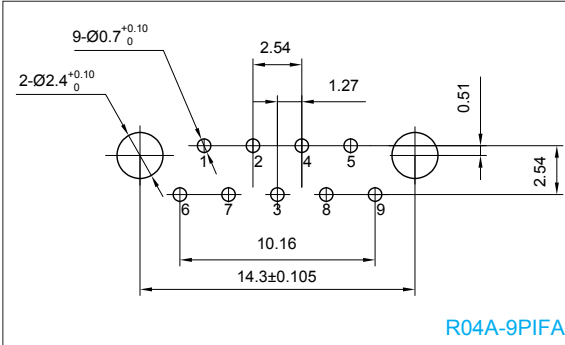
Part Number	A	B	C	D		E		F		G	
				PI	RH	PI	RH	PI	RH	PI	RH
R04A-9PI/RHFA	19.6	14.3	14.3	8.4	10.16	4.7	6.1	0.51	0.51	10.7	10.7
R04A-15PI/RHFA	23.5	18.2	18.2	12.3	14	4.7	6.1	3.05	3.05	10.7	10.7
R04A-21PI/RHFA	27.3	22	22	16.1	17.8	4.7	6.1	3.05	3.05	10.7	10.7
R04A-25PI/RHFA	29.8	24.5	24.5	18.6	20.3	4.7	6.1	3.05	3.05	10.7	10.7
R04A-31PI/RHFA	33.6	28.3	28.3	22.4	24.12	4.7	6.1	3.05	3.05	13.1	13.1
R04A-37PI/RHFA	37.4	32.1	32	26.3	27.9	4.7	6.1	3.05	3.05	13.1	13.1
R04A-51PI/RHFA	36.45	30.86	30.86	25.02	26.67	5.79	7.52	3.81	3.81	16.76	16.76

Remark: All dimensions are in mm.

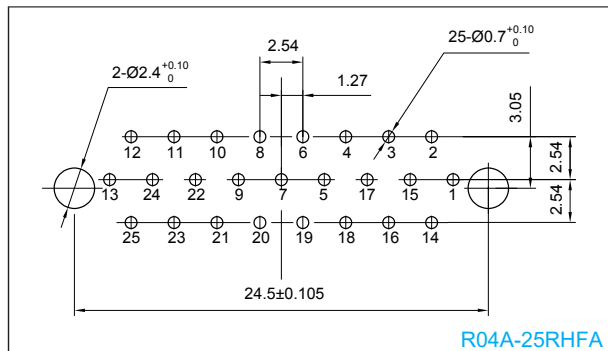
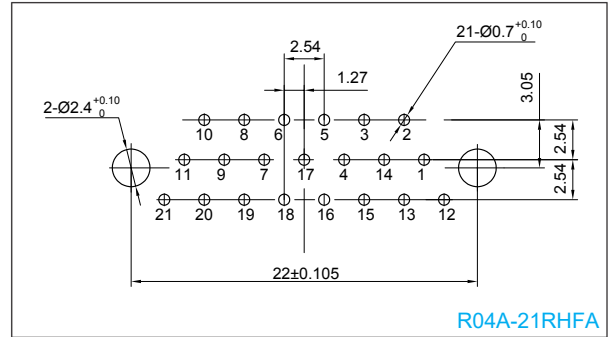
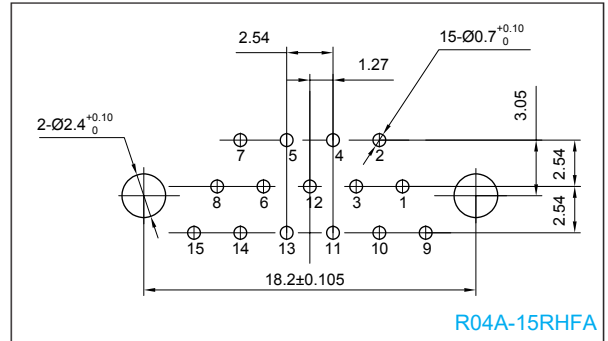
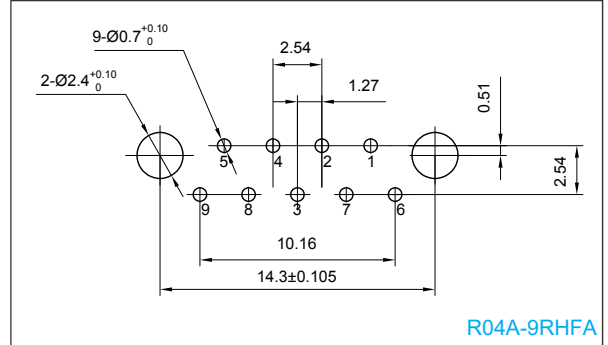


R04A Series Right Angle to PCB Connectors FA Style-PCB Layout

Plug Connectors



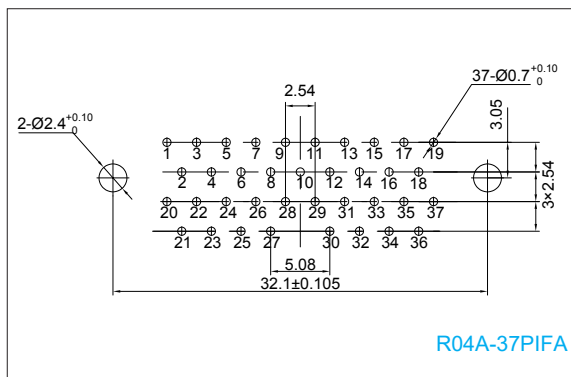
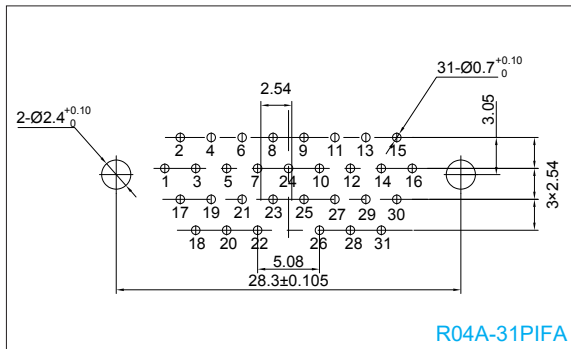
Receptacle Connectors



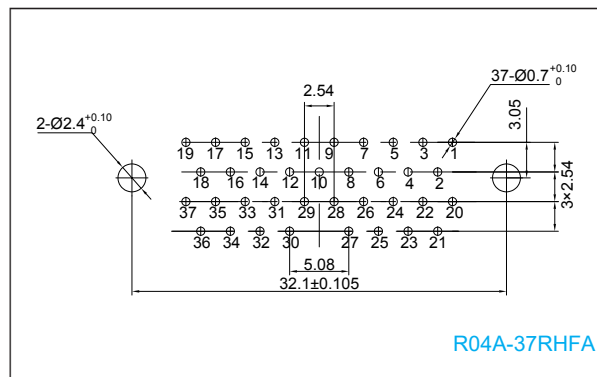
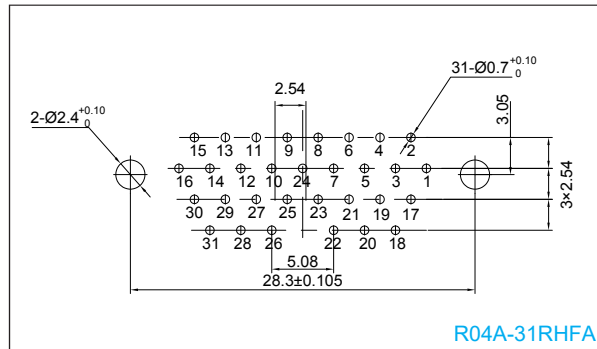
Remark: 1. All dimensions are in mm.
2. View top side from PCB board.

R04A Series Right Angle to PCB Connectors FA Style-PCB Layout

Plug Connectors



Receptacle Connectors

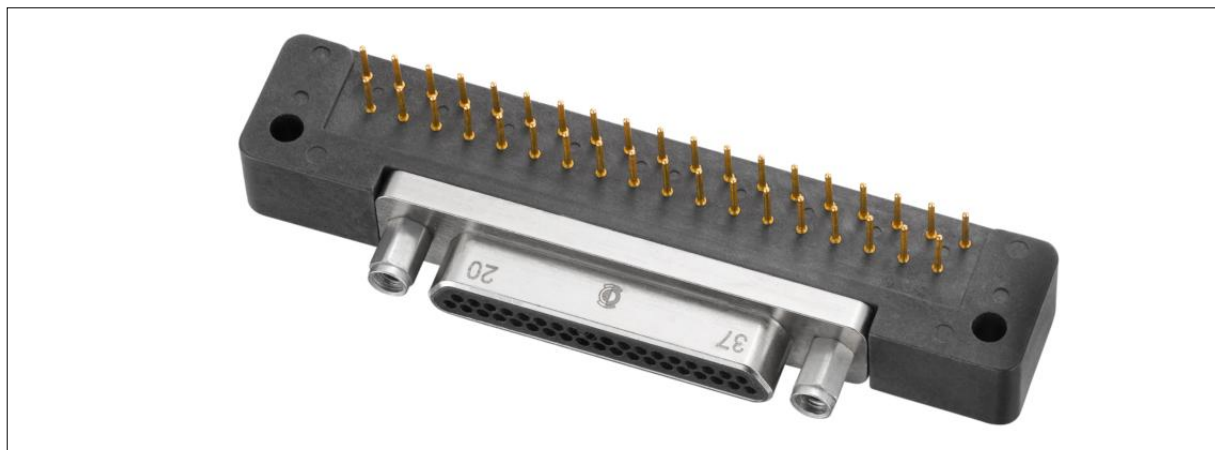


Remark: 1. All dimensions are in mm.
2. View top side from PCB board.

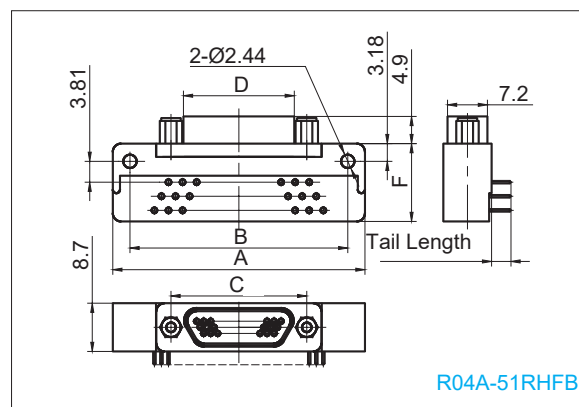
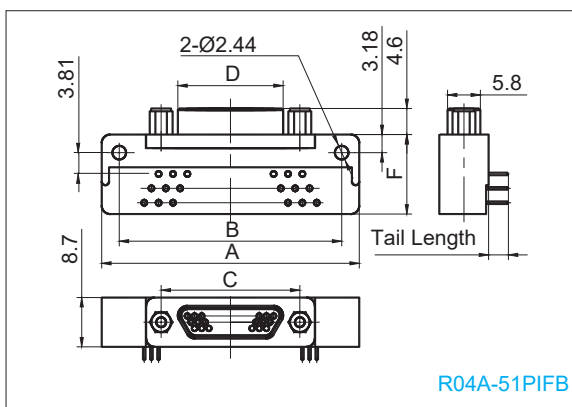
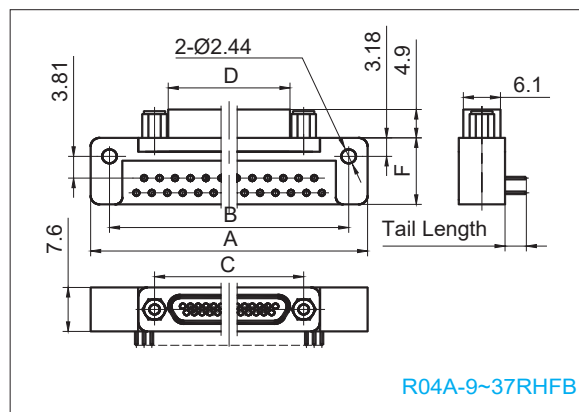
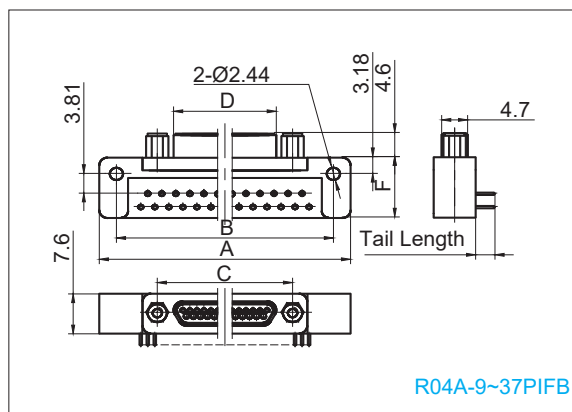


R04A Series Right Angle To PCB Connectors-FB Style

Product Stereogram

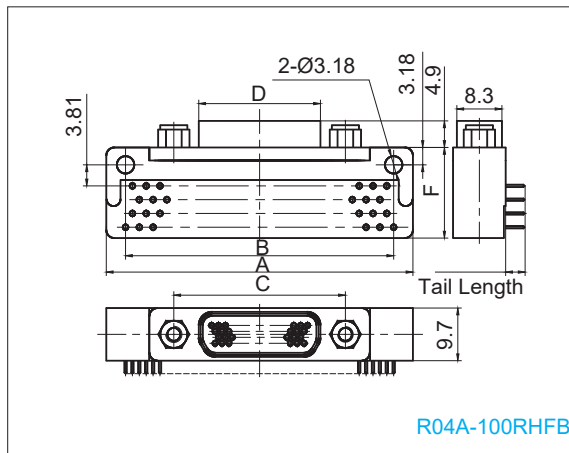
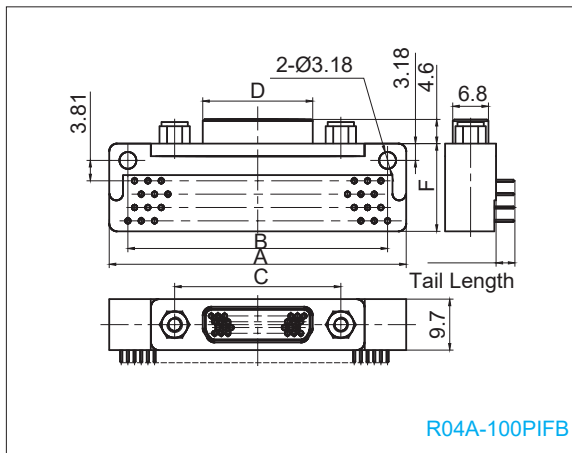


Outline Dimensions



Remark 1. All dimensions are in mm.

Outline Dimensions



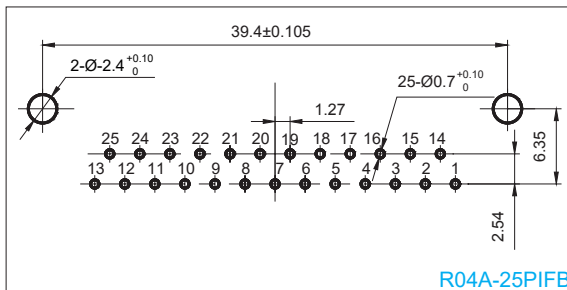
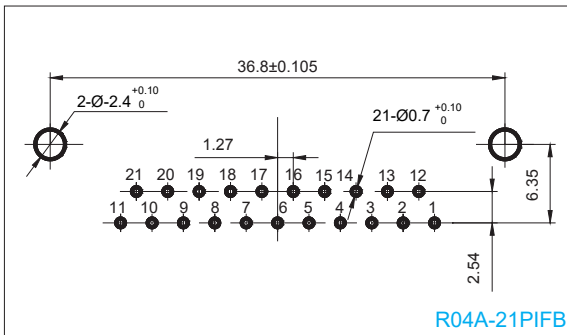
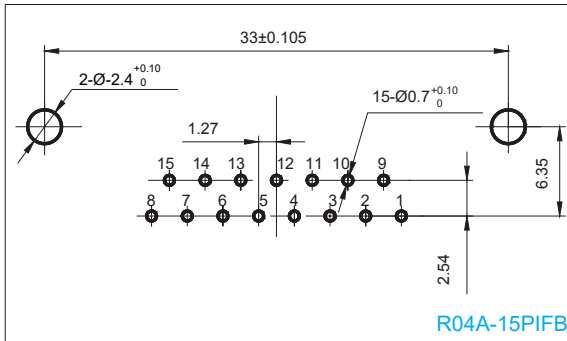
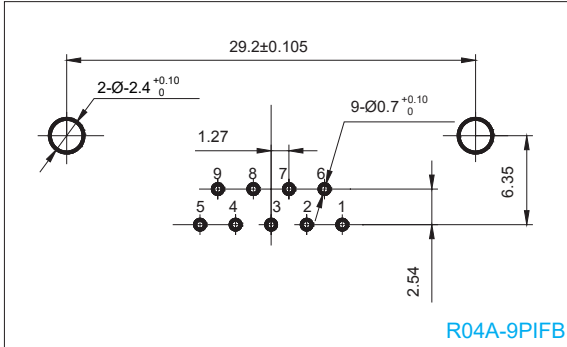
Part Number	Outline Dimensions				
	A	B	C	D	F
R04A-9PIFB	35.2	29.2	14.3	8.4	11.5
R04A-15PIFB	39	33	18.2	12.3	11.5
R04A-21PIFB	42.8	36.8	22	16.1	11.5
R04A-25PIFB	45.4	39.4	24.5	18.6	11.5
R04A-31PIFB	51.7	45.7	28.3	22.4	11.5
R04A-37PIFB	59.3	53.3	32.1	26.2	11.5
R04A-51PIFB	47.6	40.6	30.9	25	14.3
R04A-100PIFB	70.5	63.5	45.7	35.1	16.8
R04A-9RHFB	35.2	29.2	14.3	8.4	11.5
R04A-15RHFB	39	33	18.2	12.3	11.5
R04A-21RHFB	42.8	36.8	22	16.1	11.5
R04A-25RHFB	45.4	39.4	24.5	18.6	11.5
R04A-31RHFB	51.7	45.7	28.3	22.4	11.5
R04A-37RHFB	59.3	53.3	32.1	26.2	11.5
R04A-51RHFB	47.6	40.6	30.9	25	14.3
R04A-100RHFB	70.5	63.5	45.7	35.1	16.8

Remark: All dimensions are in mm.

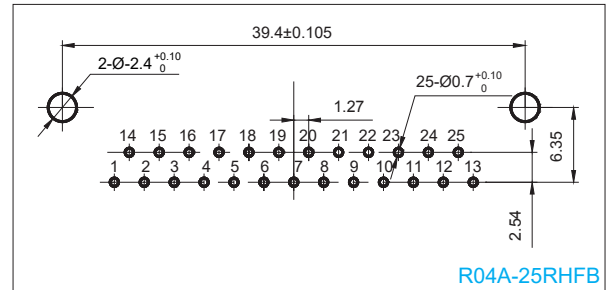
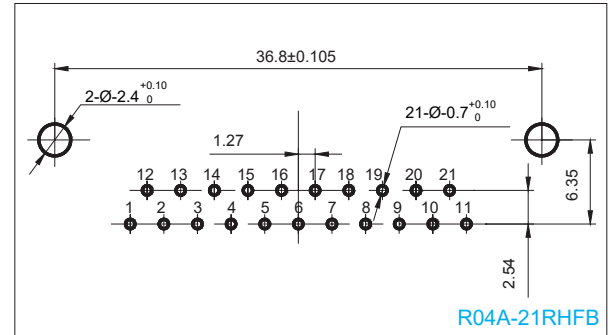
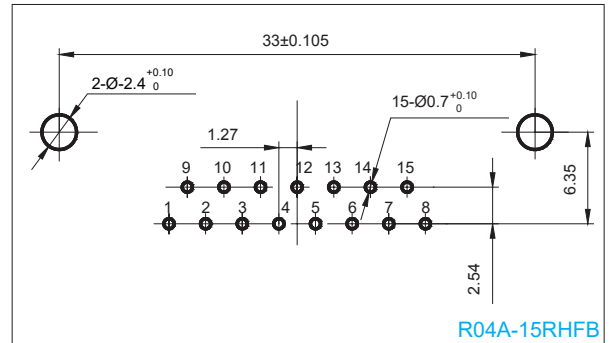
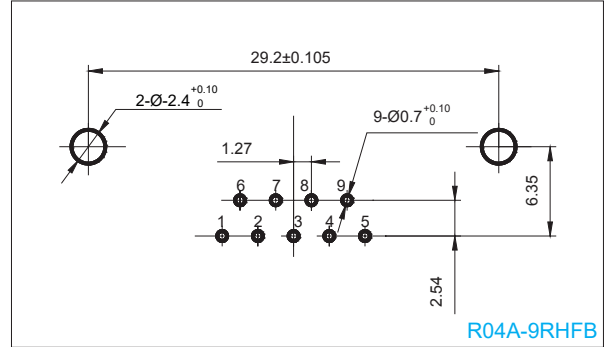


R04A Series Right Angle to PCB Connectors FB Style-PCB Layout

Plug Connectors



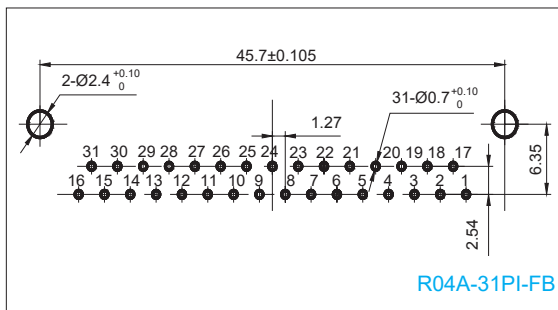
Receptacle Connectors



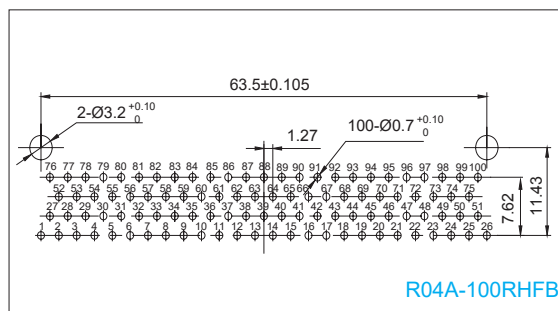
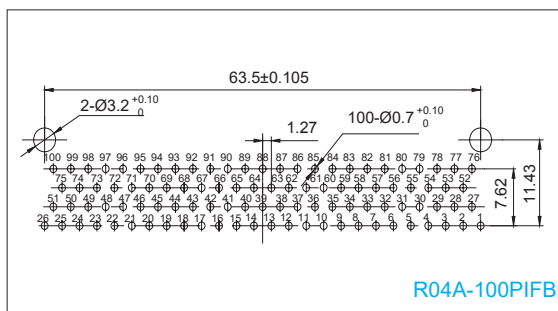
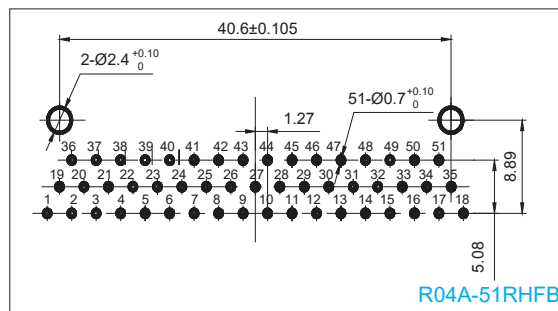
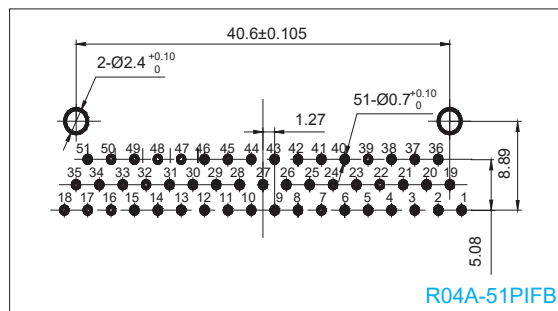
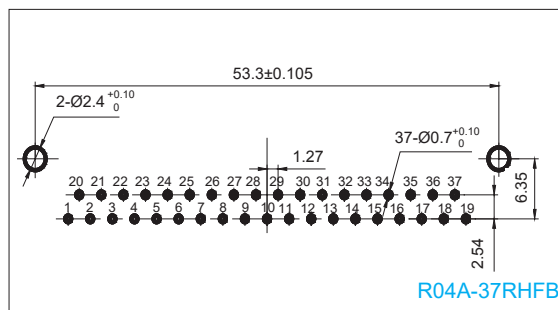
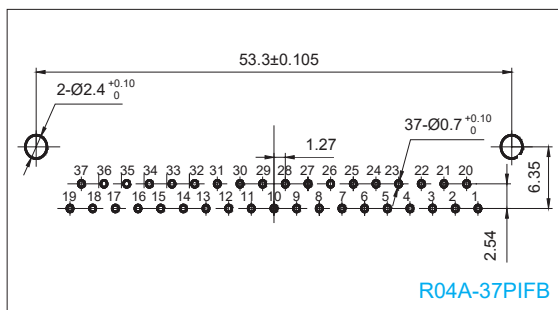
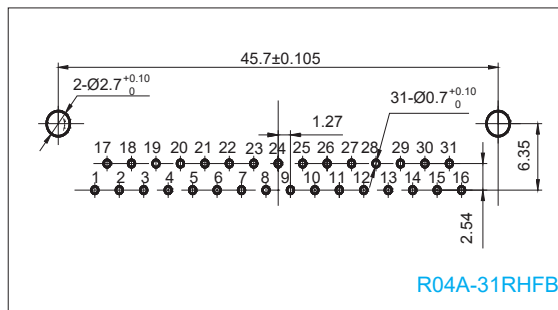
Remark: 1. All dimensions are in mm.
2. View top side from PCB board.

R04A Series Right Angle to PCB Connectors FB Style-PCB Layout

Plug Connectors



Receptacle Connectors

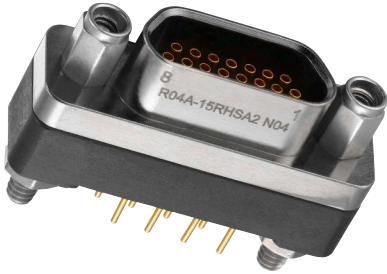


Remark: 1. All dimensions are in mm.
2. View top side from PCB board.



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

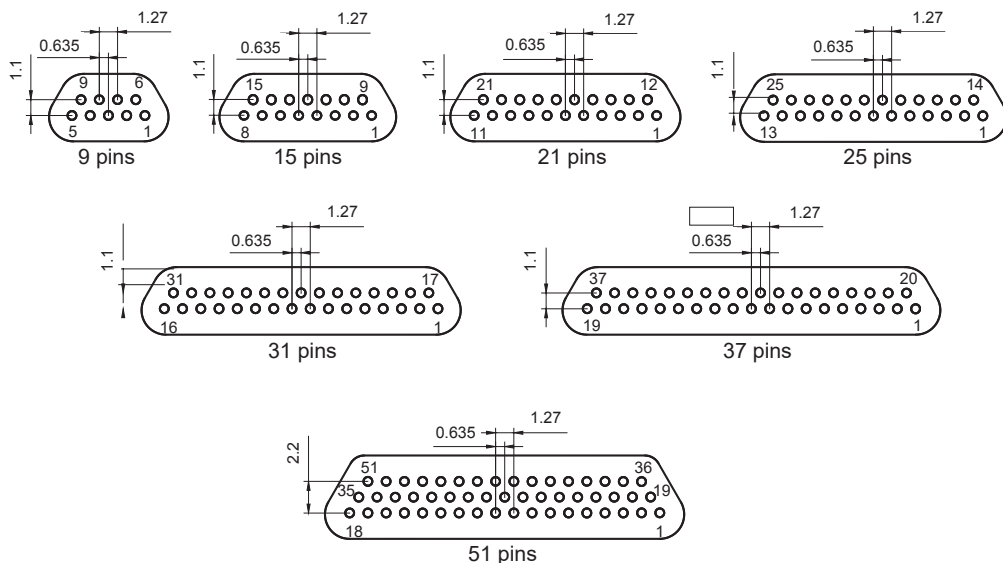


SA Style



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 Style and The PCB Layout is 2.54*1.91mm

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 21)

No Code—No Locking Hardware

Shell Material and Finish :

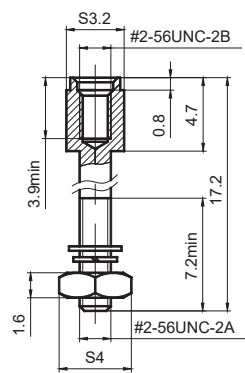
G—Aluminum Shell, Cadmium Plating

U—Aluminum Shell, Gold Plating

No Code—Aluminum Shell, Nickel 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

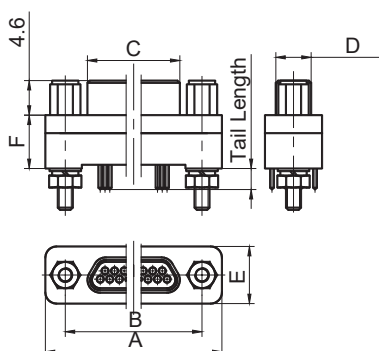
Remark: All dimensions are in mm.

R04A Series Straight To PCB Connectors-SA Style

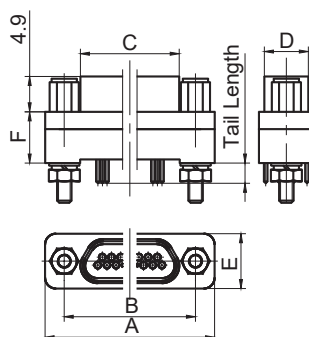
Product Stereogram



Outline Dimensions



Plug



Receptacle

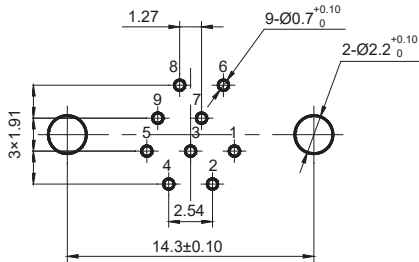
Part Number	Outline Dimensions					
	A	B	C	D	E	F
R04A-9PISA	19.6	14.3	8.4	4.7	7.6	7.1
R04A-15PISA	23.5	18.2	12.3	4.7	7.6	7.1
R04A-21PISA	27.3	22	16.1	4.7	7.6	7.1
R04A-25PISA	29.8	24.5	18.6	4.7	7.6	7.1
R04A-31PISA	33.6	28.3	22.4	4.7	7.6	7.1
R04A-37PISA	37.4	32.1	26.2	4.7	7.6	7.1
R04A-51PISA	36.5	30.9	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.

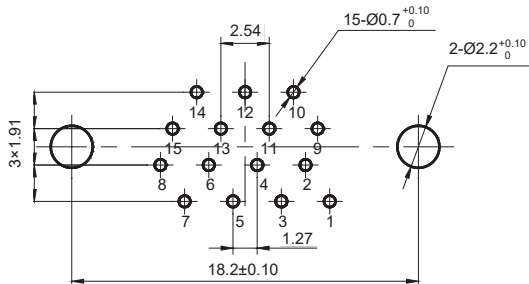


R04A Series Straight to PCB Connectors SA Style-PCB Layout

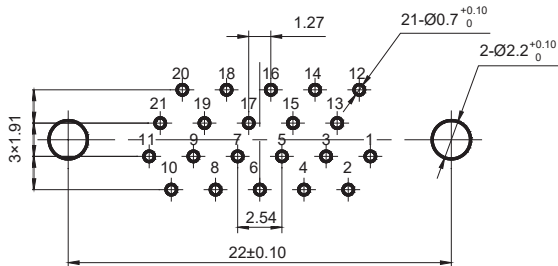
Plug Connectors



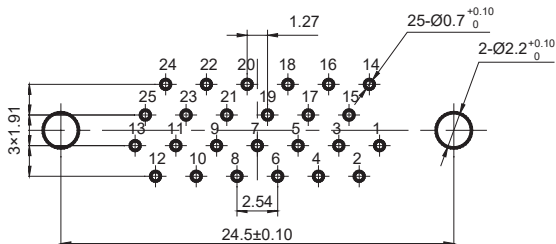
R04A-9PISA



R04A-15PISA

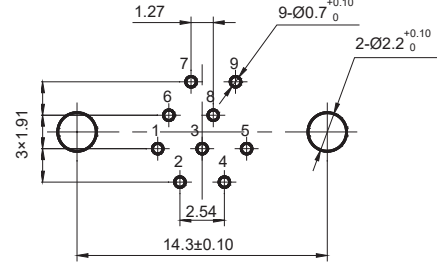


R04A-21PISA

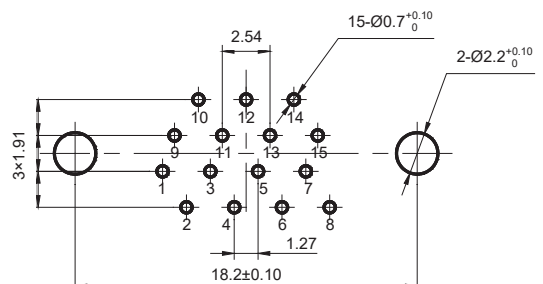


R04A-25PISA

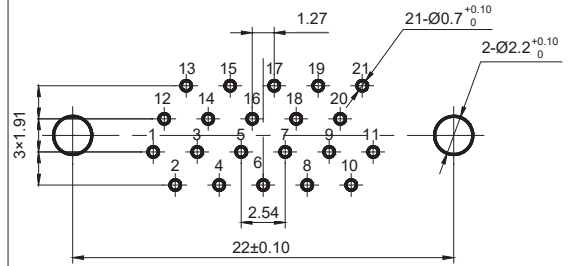
Receptacle Connectors



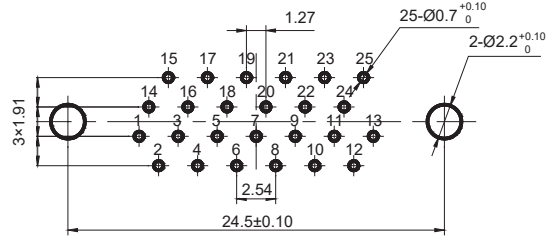
R04A-9RHSA



R04A-15RHSA



R04A-21RHSA

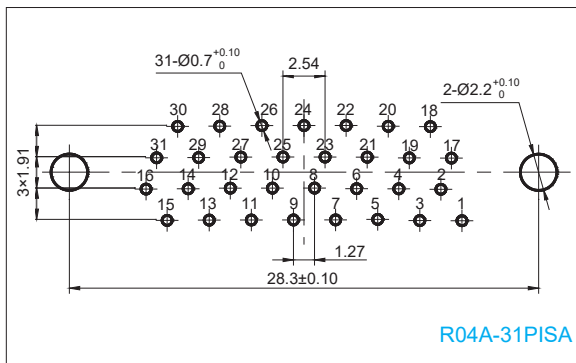


R04A-25RHSA

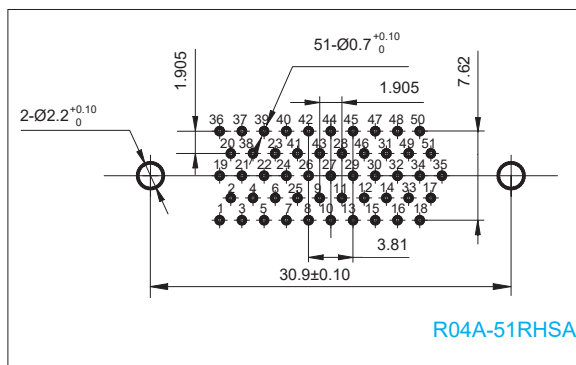
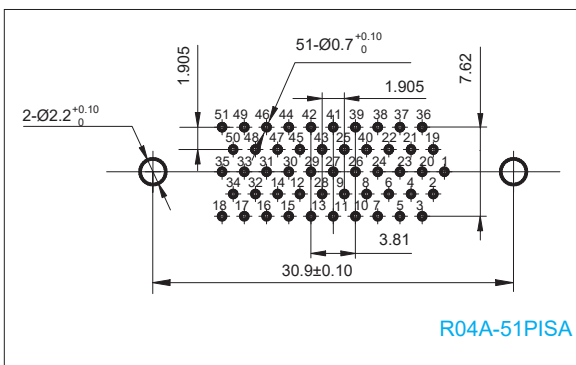
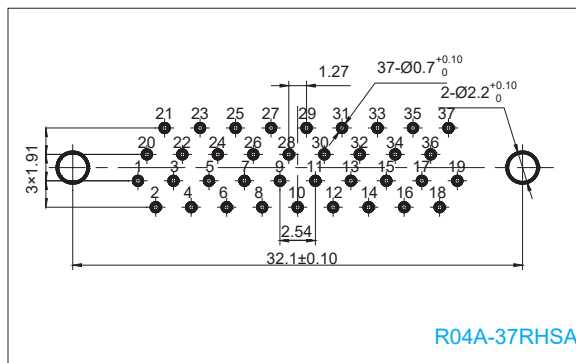
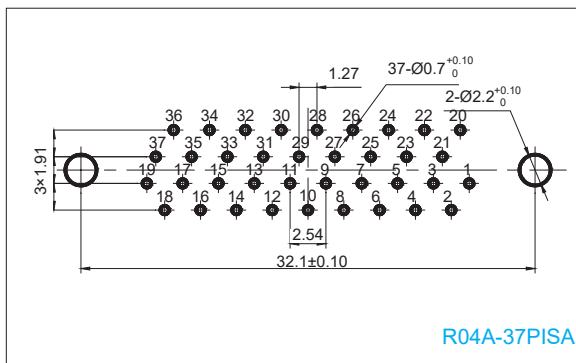
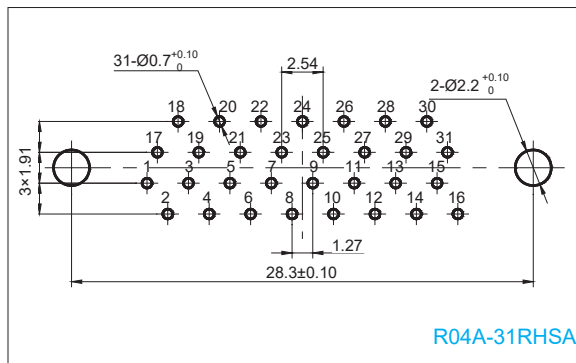
Remark: 1. All dimensions are in mm.
2. View top side from PCB board.

R04A Series Straight to PCB Connectors SA Style-PCB Layout

Plug Connectors



Receptacle Connectors



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

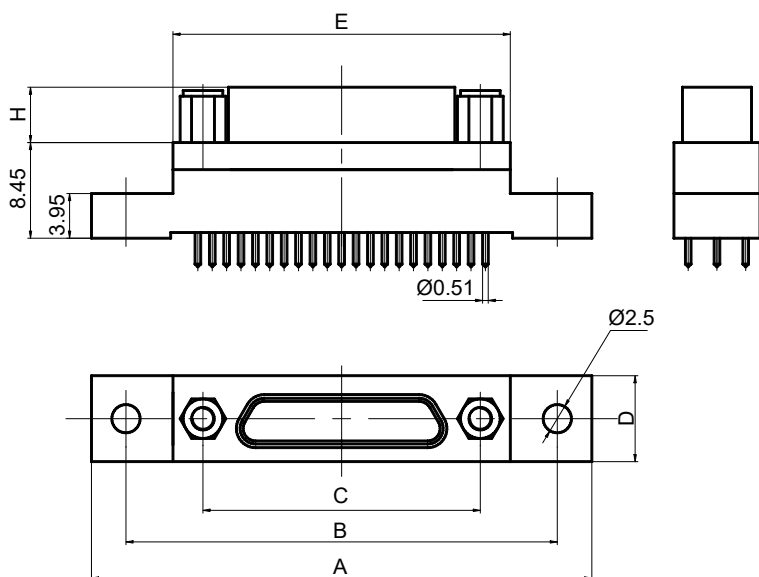


R04A Series Straight To PCB Connectors-SB Style

Product Stereogram



Outline Dimensions

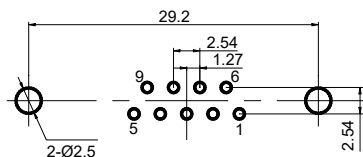


Part Number	Outline Dimensions						
	A	B	C	D	E	H	
						PI	RH
R04A-9PISB	35.31	29.21	14.35	7.9	20.1	4.6	4.9
R04A-15PISB	35.31	29.21	18.16	7.9	23.9	4.6	4.9
R04A-21PISB	42.93	36.83	21.97	7.9	30.0	4.6	4.9
R04A-25PISB	44.2	38.1	24.51	7.9	32.4	4.6	4.9
R04A-31PISB	51.82	45.72	28.32	7.9	40.0	4.6	4.9
R04A-37PISB	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

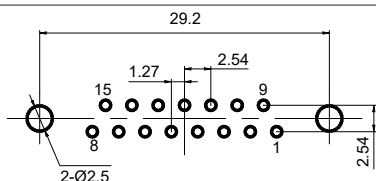
Remark: All dimensions are in mm.

R04A Series Straight to PCB Connectors SB Style-PCB Layout

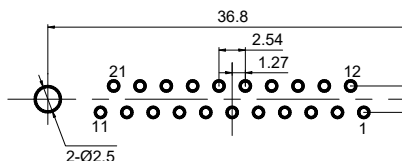
Plug Connectors



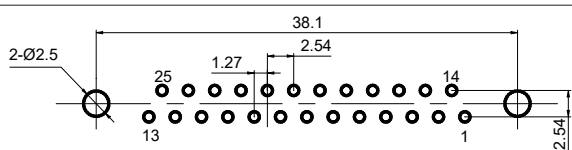
R04A-9PISB



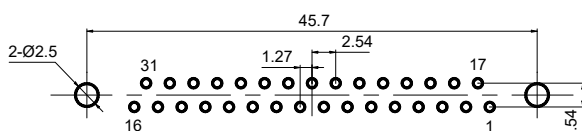
R04A-15PISB



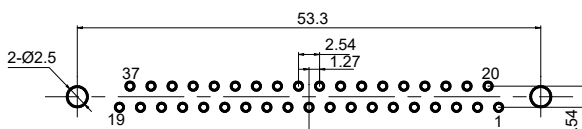
R04A-21PISB



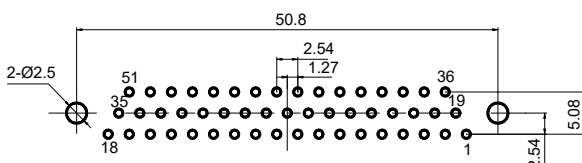
R04A-25PISB



R04A-31PISB

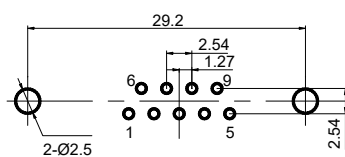


R04A-37PISB

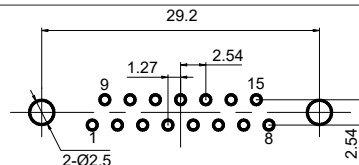


R04A-51PISB

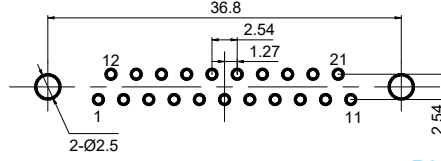
Receptacle Connectors



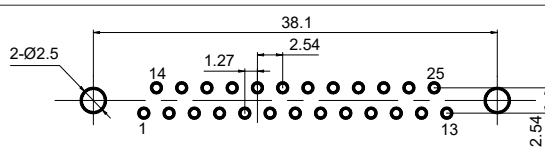
R04A-9RHSB



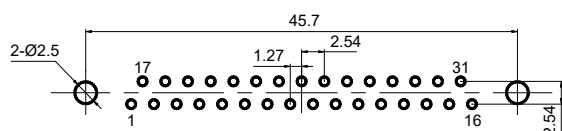
R04A-15RHSB



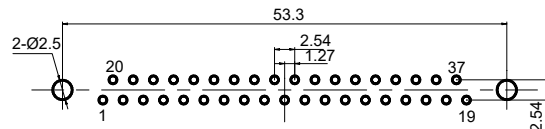
R04A-21RHSB



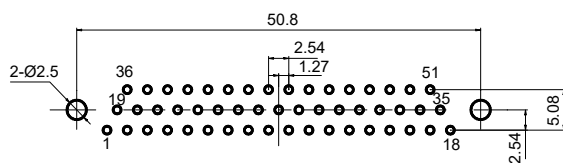
R04A-25RHSB



R04A-31RHSB



R04A-37RHSB



R04A-51RHSB

Remark: 1. All dimensions are in mm.

2. View top side from PCB board.



MIL-DTL-83513 Micro-D Connectors

R04A Series Solder Cup Connectors



Brief Introduction

- Micro-D Connectors
- Twist Pin Contacts, High Density
- Metal Shell, Nickel, Gold or Cadmium Plating
- Solder Cup 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

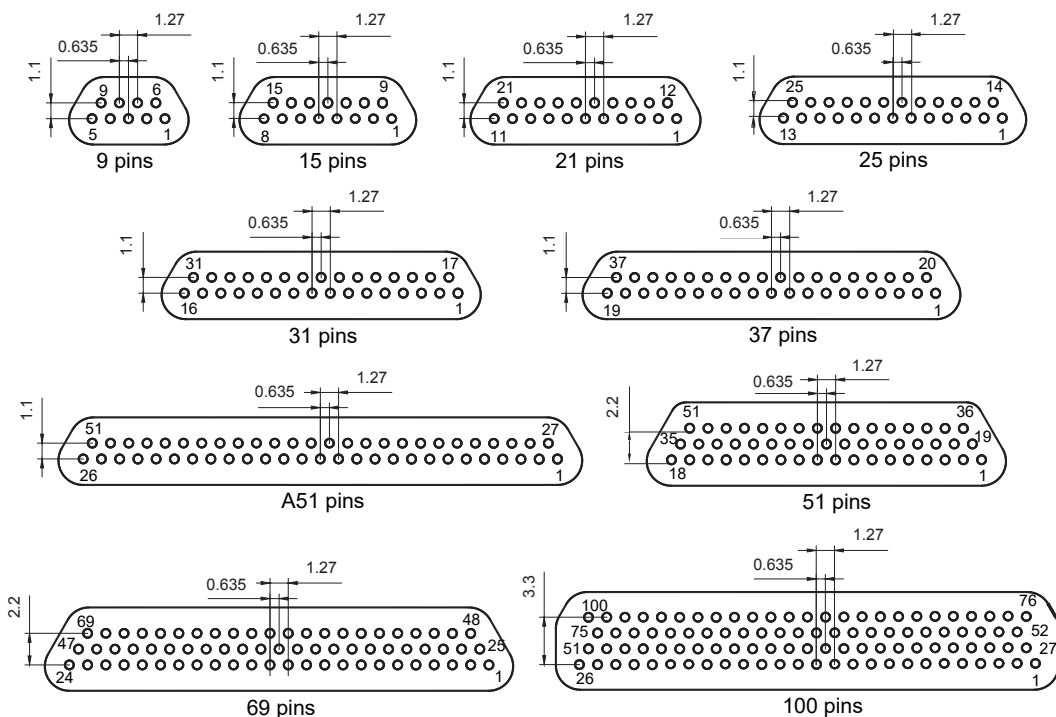


Plug



Receptacle

Contact Arrangements



Mating Face of Male Connectors

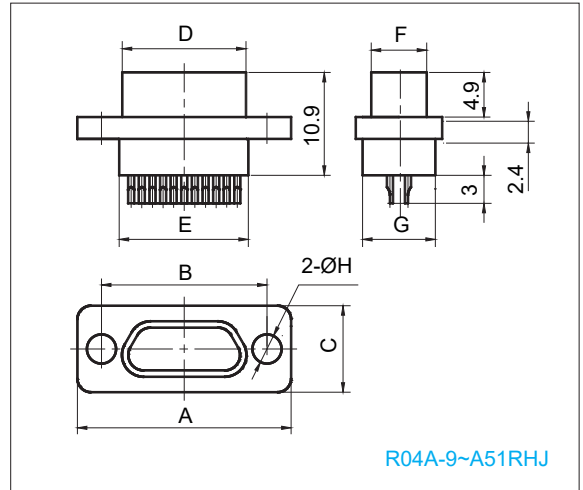
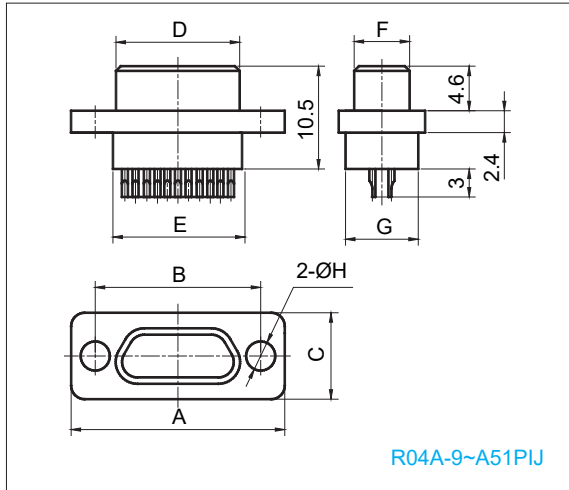
How To Order

Sample Part Number	R04A	-31	PI	J	B01	G	AB
Series: R04A—Micro-D Connectors for MIL-DTL-83513							
Contact Number: 9, 15, 21, 25, 31, 37, A51, 51, 69, 100pins							
Contact Type: PI—Pin in Plug RH—Socket in Receptacle							
Tail Termination Style: J—Solder Cup							
Locking Hardware Type: B01—Locking Hardware Type (See page 32 to 36) No Code—No Looking Hardware							
Shell Material and Finish : G—Aluminum Shell, Cadmium Plating No Code—Aluminum Shell, Nickel Plating U—Aluminum Shell, Gold Plating							
Backshell Type: AB—Backshell Type (See page 37 to 39) No Code—No Backshell							



R04A Series Solder Cup Connectors

Outline Dimensions

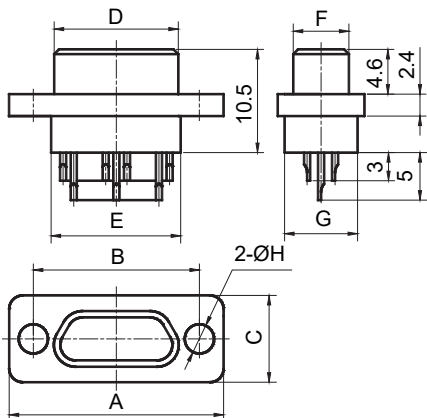


Part Number	Outline Dimensions							
	A	B	C	D	E	F	G	H
R04A-9PIJ	19.6	14.3	7.6	8.4	9.9	4.7	6.8	2.31
R04A-15PIJ	23.5	18.2	7.6	12.3	13.8	4.7	6.8	2.31
R04A-21PIJ	27.3	22	7.6	16.1	17.6	4.7	6.8	2.31
R04A-25PIJ	29.8	24.5	7.6	18.6	20.2	4.7	6.8	2.31
R04A-31PIJ	33.6	28.3	7.6	22.4	24	4.7	6.8	2.31
R04A-37PIJ	37.4	32.1	7.6	26.2	27.8	4.7	6.8	2.31
R04A-A51PIJ	46.3	41	7.6	35	36.7	4.7	6.8	2.31
R04A-9RHJ	19.6	14.3	7.6	9.9	9.9	6.1	6.8	2.31
R04A-15RHJ	23.5	18.2	7.6	13.7	13.8	6.1	6.8	2.31
R04A-21RHJ	27.3	22	7.6	17.5	17.6	6.1	6.8	2.31
R04A-25RHJ	29.8	24.5	7.6	20.1	20.2	6.1	6.8	2.31
R04A-31RHJ	33.6	28.3	7.6	23.9	24	6.1	6.8	2.31
R04A-37RHJ	37.4	32.1	7.6	27.7	27.8	6.1	6.8	2.31
R04A-A51RHJ	46.3	41	7.6	36.5	36.7	6.1	6.8	2.31

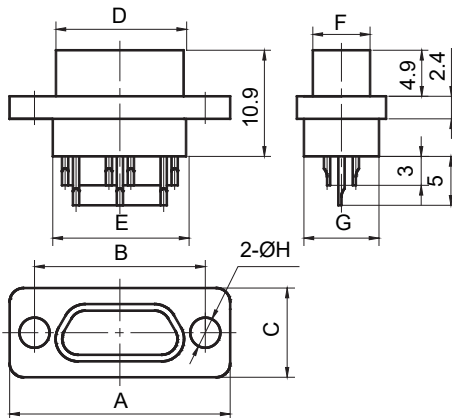
Remark: All dimensions are in mm.

R04A Series Solder Cup Connectors

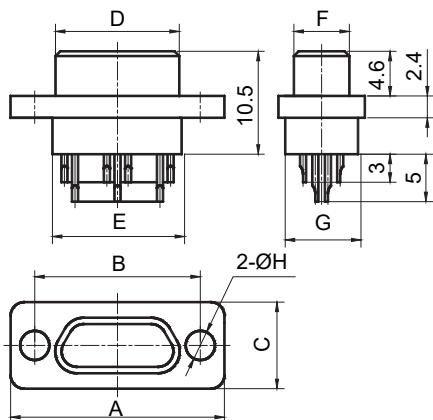
Outline Dimensions



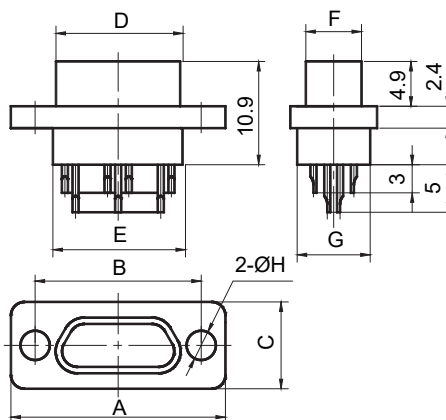
R04A-51~69PIJ



R04A-51~69RHJ



R04A-100PIJ



R04A-100RHJ

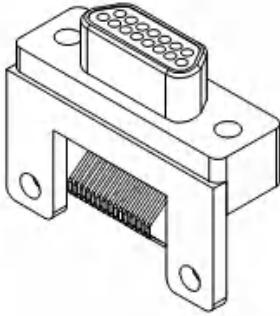
Part Number	Outline Dimensions							
	A	B	C	D	E	F	G	H
R04A-51PIJ	36.2	30.9	8.7	25	26.6	5.8	7.9	2.31
R04A-69PIJ	43.8	38.5	8.7	32.6	34.2	5.8	7.9	2.31
R04A-100PIJ	54.7	45.7	9.7	35.1	36.6	6.8	9.1	3.7
R04A-51RHJ	36.2	30.9	8.7	26.5	26.6	7.2	7.9	2.31
R04A-69RHJ	43.8	38.5	8.7	34.1	34.2	7.2	7.9	2.31
R04A-100RHJ	54.7	45.7	9.7	36.6	36.6	8.3	9.1	3.7

Remark: All dimensions are in mm.



MIL-DTL-83513 Micro-D Connectors

R04A Series SMT Connectors



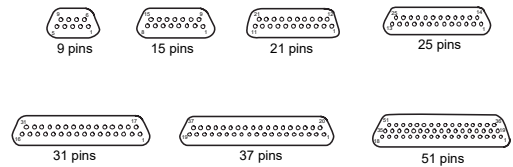
Brief Introduction

- Micro-D Connectors
- Twist Pin Contacts, High Density
- Metal Shell, Nickel or Cadmium Plating
- Surface Mount Printed Circuit Board 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

Contact Arrangements



How To Order

Sample Part Number

R04A -25 PI M 2 B01 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

Tail Termination Type:

M—SMT

Mounting Type:

2—Vertical SMT

3—Horizontal SMT

Locking Hardware:

B01—Locking Hardware Type (See page 32 to 36)

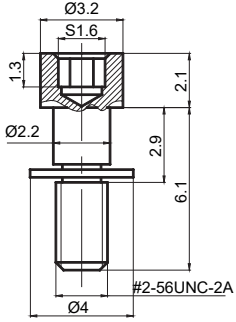
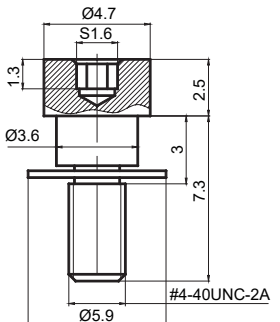
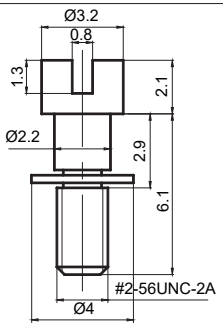
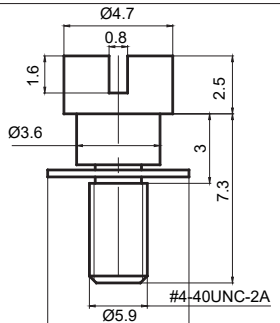
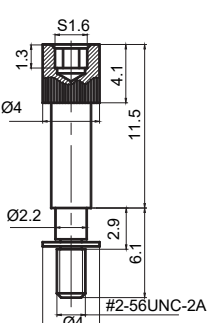
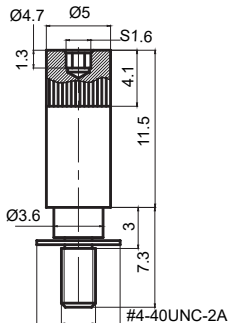
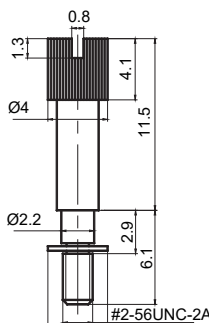
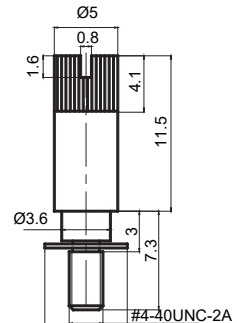
No Code—No Locking Hardware

Shell Material and Finish :

G—Aluminum Shell, Cadmium Plating

No Code—Aluminum Shell, Nickel Plating

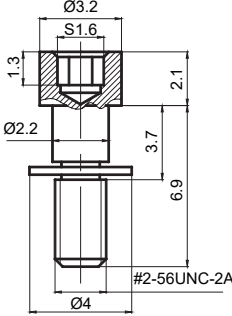
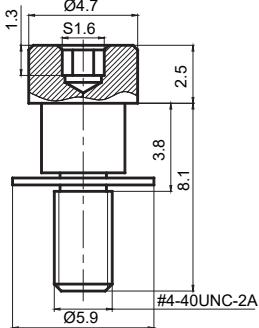
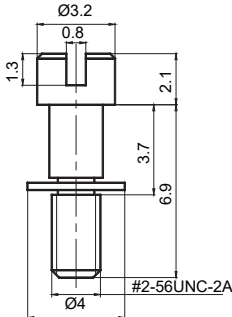
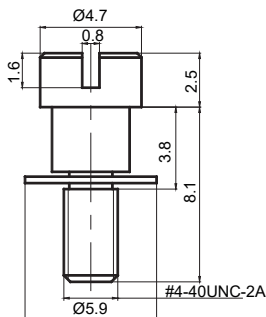
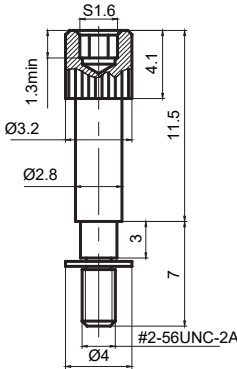
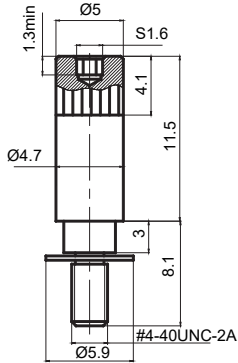
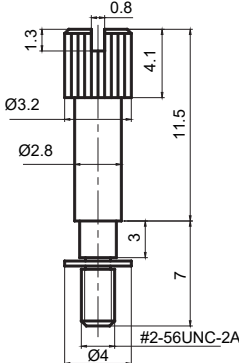
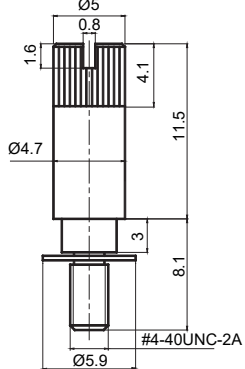
Locking Hardware

Code	Feature	Outline Dimensions	
		9~69pins	100pins
B01	1. Removable 2. Short Jackscrew with A Retainer Ring 3. Hex Head		
B02	1. Removable 2. Short Jackscrew with A Retainer Ring 3. Slot Head		
B03	1. Removable 2. Long Jackscrew with A Retainer Ring 3. Hex Head		
B04	1. Removable 2. Long Jackscrew with A Retainer Ring 3. Slot Head		

Remark: All dimensions are in mm.

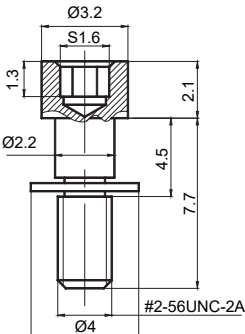
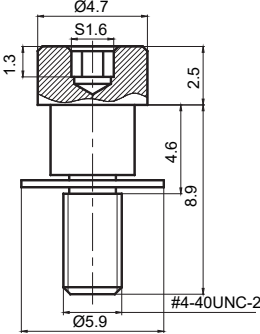
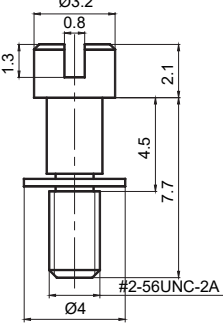
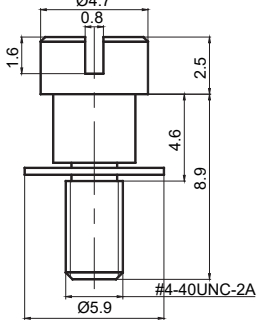
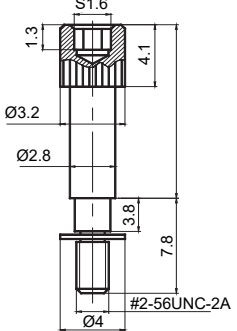
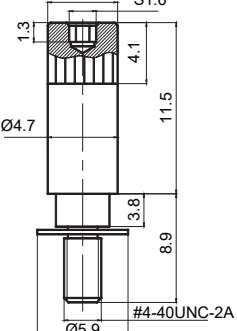
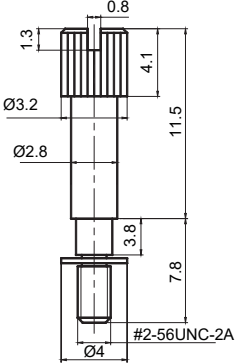
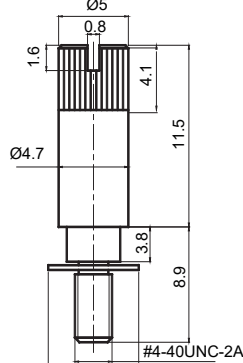


Locking Hardware

Code	Feature	Outline Dimensions	
		9~69pins	100pins
B05	1. Removable 2. Short Jackscrew with A Retainer Ring 3. Hex Head 4. For Connectors with AA, AB, AC, AD or AG Type Backshells		
B06	1. Removable 2. Short Jackscrew with A Retainer Ring 3. Slot Head 4. For Connectors with AA, AB, AC, AD or AG Type Backshells		
B07	1. Removable 2. Long Jackscrew with A Retainer Ring 3. Hex Head 4. For Connectors with AA, AB, AC, AD or AG Type Backshells		
B08	1. Removable 2. Long Jackscrew with A Retainer Ring 3. Slot Head 4. For Connectors with AA, AB, AC, AD or AG Type Backshells		

Remark: All dimensions are in mm.

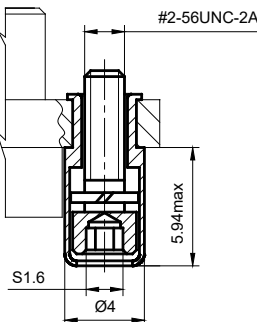
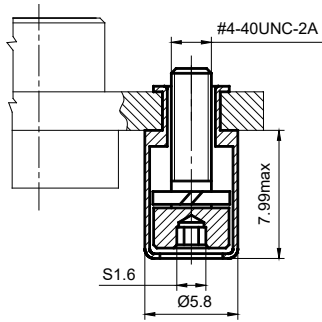
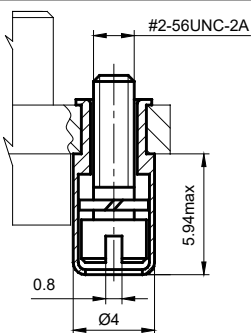
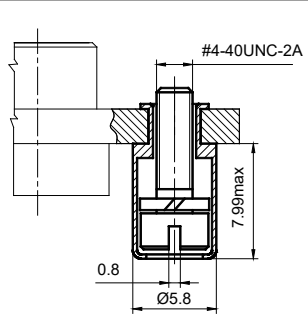
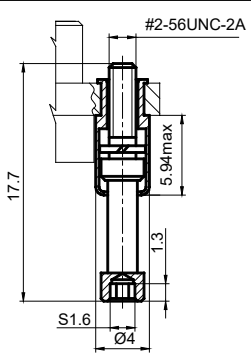
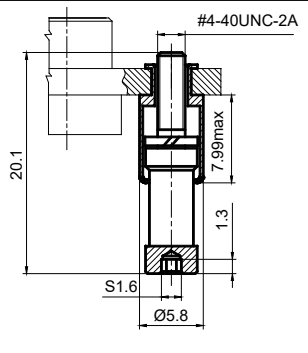
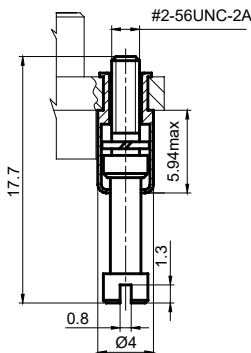
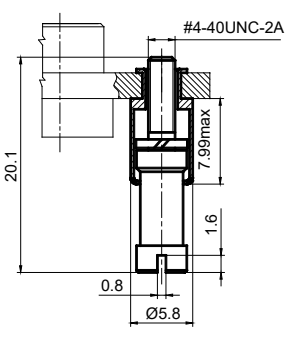
Locking Hardware

Code	Feature	Outline Dimensions	
		9~69pins	100pins
B10	1. Removable 2. Short Jackscrew with A Retainer Ring 3. Hex Head 4. For Connectors with AH or AJ Type Backshells		
B11	1. Removable 2. Short Jackscrew with A Retainer Ring 3. Slot Head 4. For Connectors with AH or AJ Type Backshells		
B12	1. Removable 2. Long Jackscrew with A Retainer Ring 3. Hex Head 4. For Connectors with AH or AJ Type Backshells		
B13	1. Removable 2. Slot Long Jackscrew with A Retainer Ring 3. Slot Head 4. For Connectors with AH or AJ Type Backshells		

Remark: All dimensions are in mm.

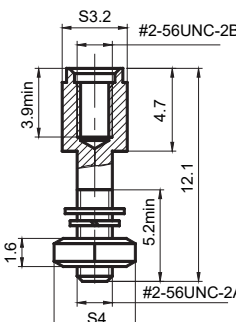
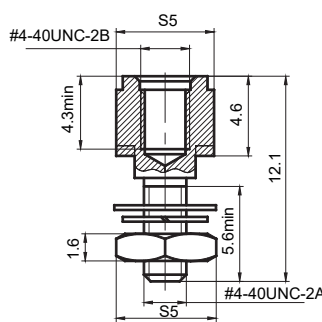
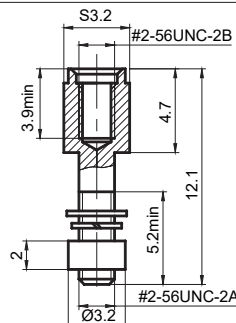
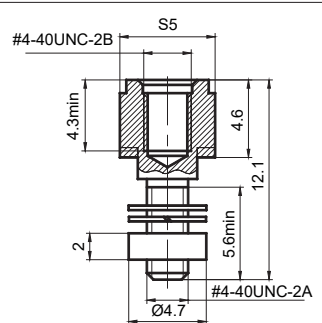
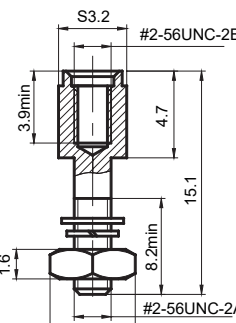
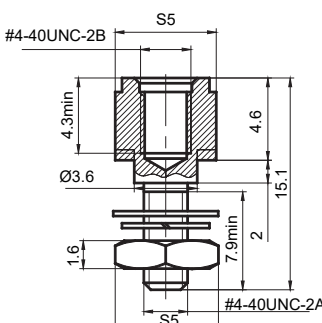


Locking Hardware

Code	Feature	Outline Dimensions	
		9~69pins	100pins
S01	1. Non-Removable 2. Short Jackscrew with A Retainer Sleeve 3. Hex Head		
S02	1. Non-Removable 2. Short Jackscrew with A Retainer Sleeve 3. Slot Head		
S03	1. Non-Removable 2. Long Jackscrew with A Retainer Sleeve 3. Hex Head		
S04	1. Non-Removable 2. Long Jackscrew with A Retainer Sleeve 3. Slot Head		

Remark: All dimensions are in mm.

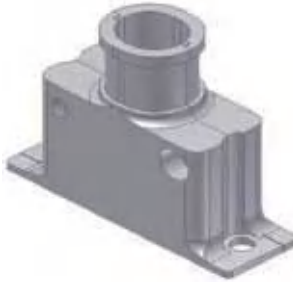
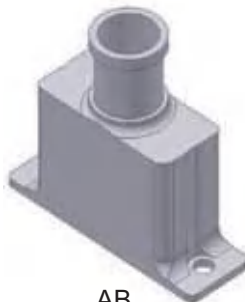
Locking Hardware

Code	Feature	Outline Dimensions	
		9~69pins	100pins
N01	- Hex Head Jackpost - For Front Panel Mounting - Panel Thickness is Not More Than 2mm		
N06	- Hex Head Jackpost - For Connectors with Backshells		
N07	- Hex Head Jackpost - For Front Panel Mounting - Panel Thickness is Not More Than 5mm		

Remark: All dimensions are in mm.



Backshells

Stereogram & Feature			Outline Dimensions
 AA AA Style: Two-Piece, Standard Type	 AB AB Style: One-Piece, Standard Type	 AC AC Style: One-Piece, Wide Entry	

Remark: All dimensions are in mm.

Outline Dimensions Of Backshells

Part Number	Outline Dimensions									
	A	B	C	D	E	F	J	ØS	L	M
R04A-9-AA	19.6	12.1	8.7	14.3	21.4	13.2	5.8	2.31	-	4.7
R04A-15-AA	23.5	16	8.7	18.2	21.4	13.2	5.8	2.31	-	5.8
R04A-21-AA	27.3	19.8	8.7	22	21.4	13.2	5.8	2.31	-	6.5
R04A-25-AA	29.8	22.3	8.7	24.5	21.4	13.2	5.8	2.31	6.6	7.9
R04A-31-AA	33.6	26.1	8.7	28.3	21.4	13.2	5.8	2.31	6.6	8.4
R04A-37-AA	37.4	29.9	8.7	32.1	21.4	13.2	5.8	2.31	6.6	9.5
R04A-A51-AA	46.3	38.8	8.7	41	21.4	13.2	5.8	2.31	6.6	13.1
R04A-51-AA	36.2	28.7	9.7	30.9	23.7	15.5	5.8	2.31	7.5	11.9
R04A-69-AA	43.8	36.3	9.7	38.5	23.7	15.5	5.8	2.31	7.5	15.7
R04A-100-AA	54.7	38.8	11	45.7	24.2	16	5.8	3.7	8.7	17.5
R04A-9-AB	19.6	11.2	8.7	14.3	21.4	13.2	5.8	2.31	-	4.7
R04A-15-AB	23.5	15	8.7	18.2	21.4	13.2	5.8	2.31	-	5.8
R04A-21-AB	27.3	18.8	8.7	22	21.4	13.2	5.8	2.31	-	6.5
R04A-25-AB	29.8	21.4	8.7	24.5	21.4	13.2	5.8	2.31	6.7	7.8
R04A-31-AB	33.6	25.2	8.7	28.3	21.4	13.2	5.8	2.31	6.7	8.3
R04A-37-AB	37.4	29	8.7	32.1	21.4	13.2	5.8	2.31	6.7	9.5
R04A-A51-AB	46.3	37.9	8.7	41	21.4	13.2	5.8	2.31	6.7	13
R04A-51-AB	36.2	27.8	9.7	30.9	23.7	15.5	5.8	2.31	7.5	11.9
R04A-69-AB	43.8	35.4	9.7	38.5	23.7	15.5	5.8	2.31	7.5	15.7
R04A-100-AB	54.7	38.7	11	45.7	24.2	16	5.8	3.7	8.7	17.4
R04A-9-AC	19.6	11.2	8.7	14.3	21.4	13.2	5.8	2.31	6.7	7.9
R04A-15-AC	23.5	15	8.7	18.2	21.4	13.2	5.8	2.31	6.7	11.6
R04A-21-AC	27.3	18.8	8.7	22	21.4	13.2	5.8	2.31	6.7	15.4
R04A-25-AC	29.8	21.4	8.7	24.5	21.4	13.2	5.8	2.31	6.7	18
R04A-31-AC	33.6	25.2	8.7	28.3	21.4	13.2	5.8	2.31	6.7	21.8
R04A-37-AC	37.4	29	8.7	32.1	21.4	13.2	5.8	2.31	6.7	25.6
R04A-A51-AC	46.3	37.9	8.7	41	21.4	13.2	5.8	2.31	6.7	26.2
R04A-51-AC	36.2	27.8	9.7	30.9	23.7	15.5	5.8	2.31	7.5	23.4
R04A-69-AC	43.8	35.4	9.7	38.5	23.7	15.5	5.8	2.31	7.5	29.4
R04A-100-AC	54.7	38.7	11	45.7	24.2	16	5.8	3.7	8.7	34.1
R04A-9-AD	19.6	12.1	8.7	14.3	29.4	21.2	5.8	2.31	-	4.7
R04A-15-AD	23.5	16	8.7	18.2	29.4	21.2	5.8	2.31	-	5.8
R04A-21-AD	27.3	19.8	8.7	22	29.4	21.2	5.8	2.31	-	6.5
R04A-25-AD	29.8	22.3	8.7	24.5	29.4	21.2	5.8	2.31	6.6	7.9
R04A-31-AD	33.6	26.1	8.7	28.3	29.4	21.2	5.8	2.31	6.6	8.4
R04A-37-AD	37.4	29.9	8.7	32.1	29.4	21.2	5.8	2.31	6.6	9.5
R04A-A51-AD	46.3	38.8	8.7	41	29.4	21.2	5.8	2.31	6.6	13.1
R04A-51-AD	36.2	28.7	9.7	30.9	31.7	23.5	5.8	2.31	7.5	11.9
R04A-69-AD	43.8	36.3	9.7	38.5	31.7	23.5	5.8	2.31	7.5	15.7
R04A-100-AD	54.7	38.8	11	45.7	32.2	24	5.8	3.7	8.7	17.5
R04A-9-AH	19.6	11.2	8.7	14.3	21.4	13.2	5.8	2.31	-	4.7
R04A-15-AH	23.5	15	8.7	18.2	21.4	13.2	5.8	2.31	-	5.8
R04A-21-AH	27.3	18.8	8.7	22	21.4	13.2	5.8	2.31	-	6.5
R04A-25-AH	29.8	21.4	8.7	24.5	21.4	13.2	5.8	2.31	6.7	7.8

Remark: All dimensions are in mm.



Outline Dimensions Of Backshells

Part Number	Outline Dimensions									
	A	B	C	D	E	F	J	ØS	L	M
R04A-31-AH	33.6	25.2	8.7	28.3	21.4	13.2	5.8	2.31	6.7	8.3
R04A-37-AH	37.4	29	8.7	32.1	21.4	13.2	5.8	2.31	6.7	9.5
R04A-A51-AH	46.3	37.9	8.7	41	21.4	13.2	5.8	2.31	6.7	13
R04A-51-AH	36.2	27.8	9.7	30.9	23.7	15.5	5.8	2.31	7.5	11.9
R04A-69-AH	43.8	35.4	9.7	38.5	23.7	15.5	5.8	2.31	7.5	15.7
R04A-100-AH	54.7	38.7	11	45.7	24.2	16	5.8	3.7	8.7	17.4
R04A-9-AJ	19.6	12.1	8.7	14.3	29.4	21.2	5.8	2.31	-	4.7
R04A-15-AJ	23.5	16	8.7	18.2	29.4	21.2	5.8	2.31	-	5.8
R04A-21-AJ	27.3	19.8	8.7	22	29.4	21.2	5.8	2.31	-	6.5
R04A-25-AJ	29.8	22.3	8.7	24.5	29.4	21.2	5.8	2.31	6.6	7.9
R04A-31-AJ	33.6	26.1	8.7	28.3	29.4	21.2	5.8	2.31	6.6	8.4
R04A-37-AJ	37.4	29.9	8.7	32.1	29.4	21.2	5.8	2.31	6.6	9.5
R04A-A51-AJ	46.3	38.8	8.7	41	29.4	21.2	5.8	2.31	6.6	13.1
R04A-51-AJ	36.2	28.7	9.7	30.9	31.7	23.5	5.8	2.31	7.5	11.9
R04A-69-AJ	43.8	36.3	9.7	38.5	31.7	23.5	5.8	2.31	7.5	15.7
R04A-100-AJ	54.7	38.8	11	45.7	32.2	24	5.8	3.7	8.7	17.5
R04A-9-AG	19.6	11.2	8.7	14.3	17.3	19.4	-	2.31	-	4.7
R04A-15-AG	23.5	15	8.7	18.2	18.4	23.2	-	2.31	-	5.8
R04A-21-AG	27.3	18.8	8.7	22	19.1	27	-	2.31	-	6.5
R04A-25-AG	29.8	21.4	8.7	24.5	20.4	29.6	-	2.31	6.7	7.8
R04A-31-AG	33.6	25.2	8.7	28.3	20.9	33.4	-	2.31	6.7	8.3
R04A-37-AG	37.4	29	8.7	32.1	22.1	37.2	-	2.31	6.7	9.5
R04A-A51-AG	46.3	37.9	8.7	41	25.6	46.1	-	2.31	6.7	13
R04A-51-AG	36.2	27.8	9.7	30.9	24.5	36	-	2.31	7.5	11.9
R04A-69-AG	43.8	35.4	9.7	38.5	28.3	43.6	-	2.31	7.5	15.7
R04A-100-AG	54.7	38.7	11	45.7	30	46.9	-	3.7	8.7	17.4

Remark: All dimensions are in mm.