

R26 Series Micro Miniature connector

Description

- Conform to GJB2446 (MIL-C-83513)
- Twist pin used on male contact
- High density contact, 1.27mm pattern
- Using plastic shell, equivalent to American MD Series
- 9~74 contacts, 8 different types
- Termination can be modified to adjust to contact pattern for PCB
- Enterprise standard: 21E0.204.118JT

Product type

- R26 series crimped plug and receptacle:
Crimped termination
- R26 series straight PCB plug and receptacle:
According to grid pattern, there are three types:
Type N: 2.54×1.6 Type N1: 2.54×2.54
Type N-J: 1.27×2.54
- R26 series right angle PCB plug and receptacle:
According to grid pattern, there are two types:
Type W: 2.54×2.54 Type W-J: 1.27×2.54

Main technical performance

- Operating temperature: -55℃~+125℃
- Relative humidity: 95% at 40℃
- Vibration: Frequency 10~2000Hz
Acceleration 196m/s²
- Shock: Acceleration 735m/s²
- Rated current: 3A
- Withstanding voltage: 800V (normal) 100V (heat & damp)
- Insulation resistance: ≥5000MΩ(normal)
≥100MΩ(heat & damp)
- Contact resistance: ≤20mΩ
- Durability: 500 cycles

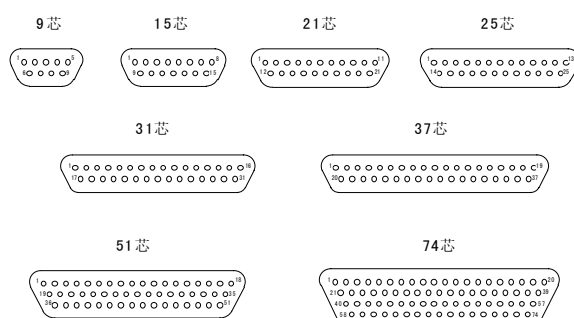
How to order

No.	Type characteristic	Content	Mark
1	Basic series	Micro miniature plastic shell connector	R26
2	Number of contact	9, 15, 21, 25, 31, 37, 51, 74	Mark the figure
3	Connector type	Plug with pins	TJ
		Receptacle with sockets	ZK
4	Termination	Crimped	No marking
		Straight PCB modification	N, N1, N-J
		Right angle PCB modification	W, W-J

Ordering part number example:

For example: R26 series electrical connector with 15 contacts. Plug is loaded with 15 twisted pins and the termination is crimped, P/N of plug should be R26-15TJ; Receptacle is loaded with sockets and the termination is right angle PCB modification (2.54×2.54), P/N of receptacle should be R26-15ZKW. P/N of the electrical connector should be R26-15ZKW/TJ

Insert arrangement (View from mating face of plug)



Ordering instruction

I、Crimped product ordering instruction

- 1、 If customer has no special request, wire for R26 series will be AFR-250-0.12-250V-white L=120mm;
- 2、 If there is any special request, please state the content as following:
 - 1) Wire cross section area: clearly state the value for wire. If no statement, there should be 0.12mm²; Section area for wires used on R26 is 0.07~0.15 mm²;
 - 2) Wire color: color should be stated clearly. Otherwise, color will be white;
 - 3) Wire length: unit is mm. Length is calculated from the surface of the shell. Normal length is 120mm;

Note:

- a) When the cross section of 0.07mm² is chosen, (0.07) is added behind P/N, the wire color and length should be marked in P/N ;

For example:

When R26-25TJ is ordered and AFR-250-0.07 red wire with 0.6m of the length is required, P/N will be R26-25TJ (0.07 red L600) , the marking should be R26-25TJ (0.07)

- b) When the other cross section is selected, cross section, color and length should be marked behind P/N.

For example:

When R26-25TJ is ordered and AFR-250-0.1 red wire with 0.6m of the length is required, P/N will be R26-25TJ (0.1 red L600) , the marking should be R26-25TJ

- 3、 If customer has special request (for example, wire not specified in the manual is selected and wiring not specified in the manual is selected), that should be stated in the purchase order

II、 Ordering P/N instruction on products with locking assemblies

To facilitate the customer's use, there are different kinds of locking assemblies, see R26 series locking assemblies for more detail. Locking assemblies can either be ordered separately according to code or can be ordered with matched products. When ordered with matched products, ordering P/N designates P/N+ locking assemblies' code

For example:

- 1) Plug R26-15TJW can be matched with the locking assembly 21E6-040-024-B1; therefore,

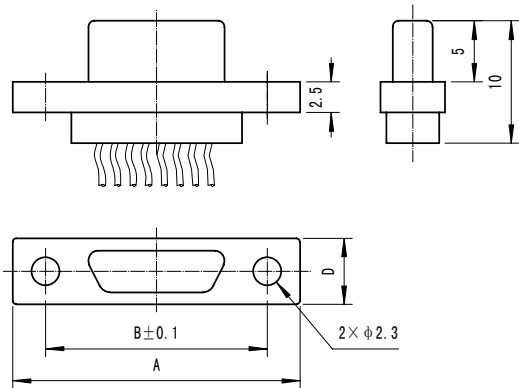
the ordering P/N should be R26-15TJW+21E6-040-024-B1

2) Receptacle R26-51ZK can be matched with the locking assembly 21E6-040-024-B1 and AFR-250-0.0 blue wire with 1m of length is required, therefore, the ordering P/N should be R26-51ZK (0.07 blue L1000) +21E6-040-023-B1

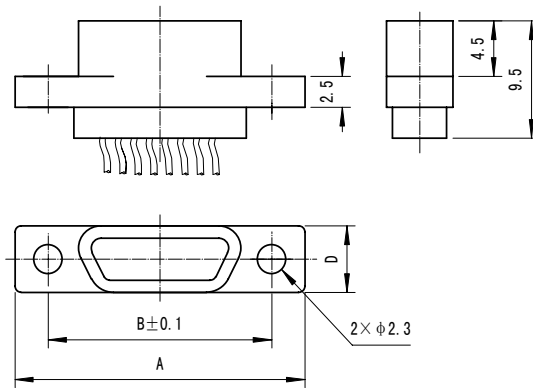
Dimensions

R26 series plug and receptacle

Plug R26-xTJ



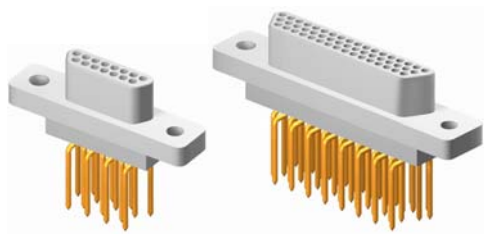
Receptacle R26-xZK



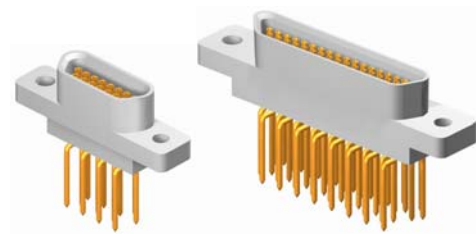
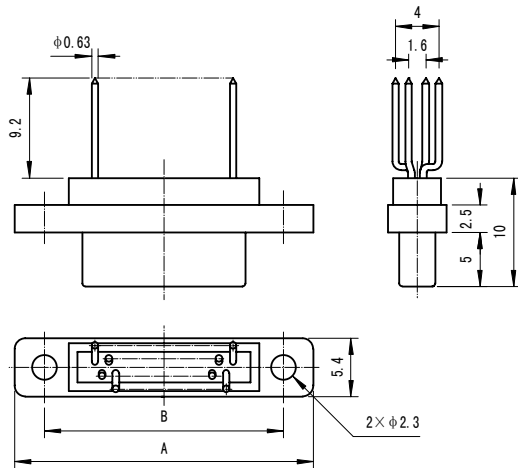
P/N	A	B	D
R26-9TJ	19.8	14.3	5.4
R26-15TJ	23.6	18.2	5.4
R26-21TJ	27.5	22.0	5.4
R26-25TJ	30.0	24.5	5.4
R26-31TJ	33.7	28.3	5.4
R26-37TJ	37.5	32.2	5.4
R26-51TJ	36.2	30.8	6.5
R26-74TJ	38.8	33.5	7.5

P/N	A	B	D
R26-9ZK	19.8	14.3	5.4
R26-15ZK	23.6	18.2	5.4
R26-21ZK	27.5	22.0	5.4
R26-25ZK	30.0	24.5	5.4
R26-31ZK	33.7	28.3	5.4
R26-37ZK	37.5	32.2	5.4
R26-51ZK	36.2	30.8	6.5
R26-74ZK	38.8	33.5	7.5

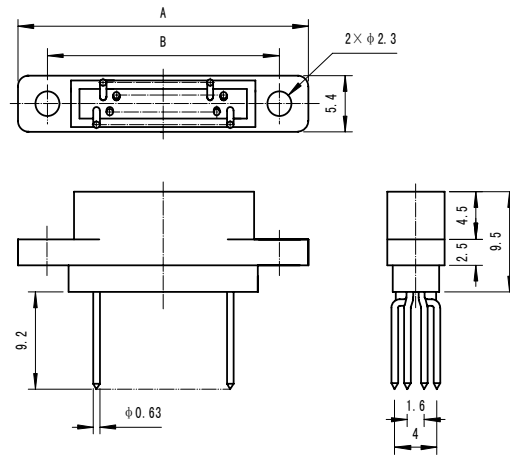
R26 Series Straight PCB Plug and Receptacle (Type N)



Plug R26-9~37TJN



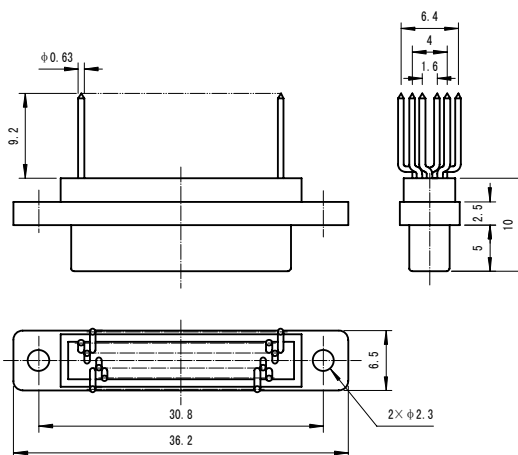
Receptacle R26-9~37ZKN



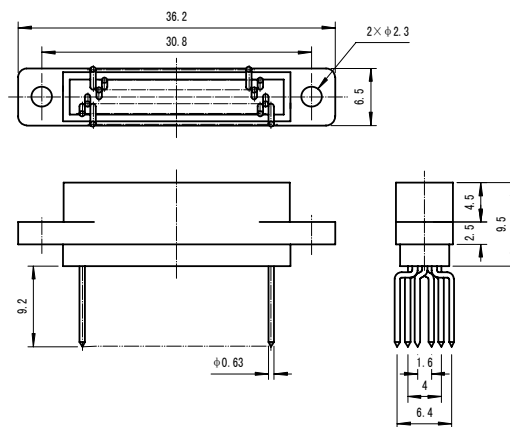
P/N	A	B
R26-9TJN	19.8	14.3
R26-15TJN	23.6	18.2
R26-21TJN	27.5	22.0
R26-25TJN	30.0	24.5
R26-31TJN	33.7	28.3
R26-37TJN	37.5	32.2

P/N	A	B
R26-9ZKN	19.8	14.3
R26-15ZKN	23.6	18.2
R26-21ZKN	27.5	22.0
R26-25ZKN	30.0	24.5
R26-31ZKN	33.7	28.3
R26-37ZKN	37.5	32.2

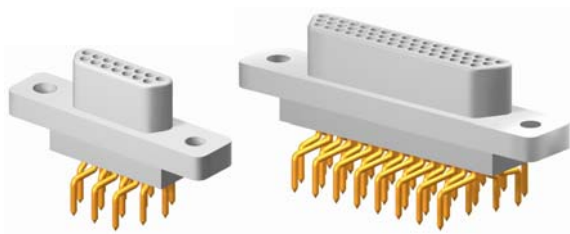
Plug R26-51TJN



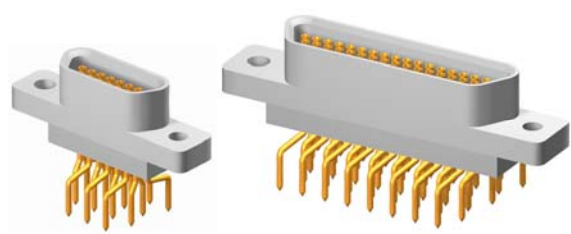
Receptacle R26-51ZKN



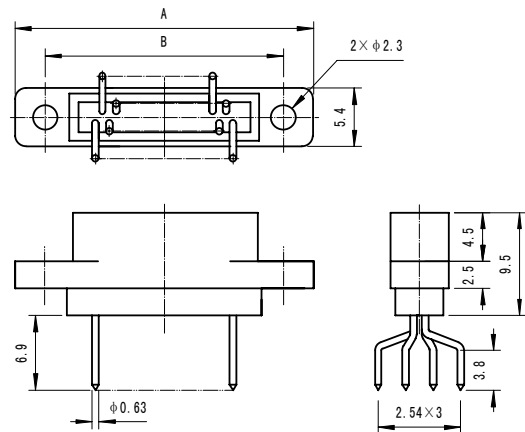
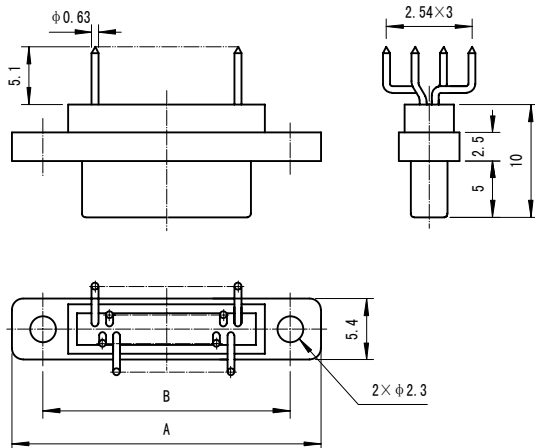
R26 Series Straight PCB Plug and Receptacle (Type N1)



Plug R26-9~37TJN1



Receptacle R26-9~37ZKN1

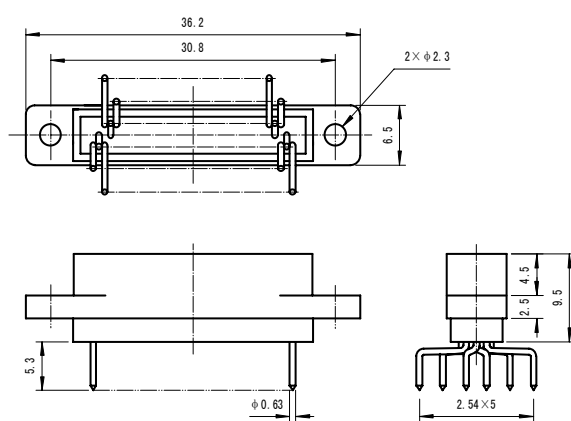
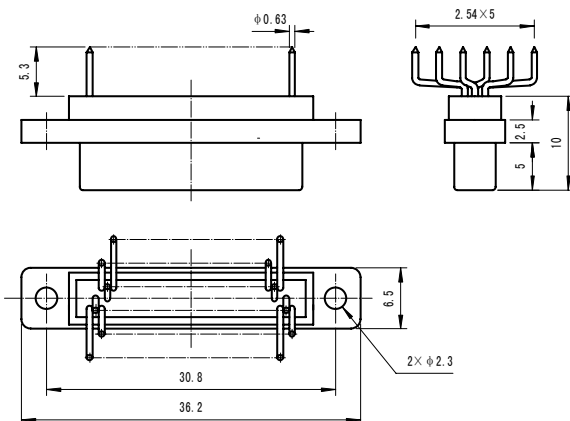


P/N	A	B
R26-9TJN1	19.8	14.3
R26-15TJN1	23.6	18.2
R26-21TJN1	27.5	22.0
R26-25TJN1	30.0	24.5
R26-31TJN1	33.7	28.3
R26-37TJN1	37.5	32.2

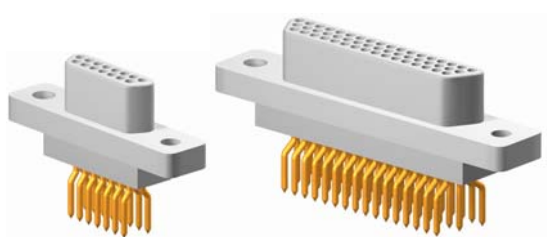
P/N	A	B
R26-9ZKN1	19.8	14.3
R26-15ZKN1	23.6	18.2
R26-21ZKN1	27.5	22.0
R26-25ZKN1	30.0	24.5
R26-31ZKN1	33.7	28.3
R26-37ZKN1	37.5	32.2

Plug R26-51TJN1

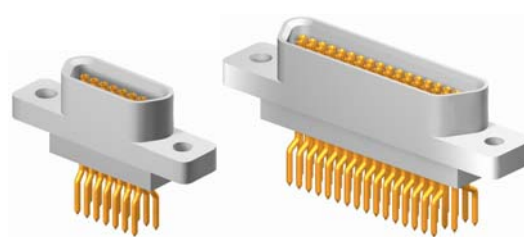
Receptacle R26-51ZKN1



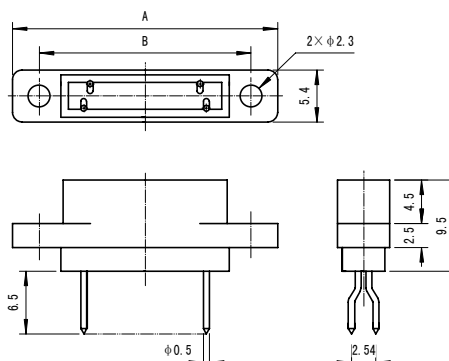
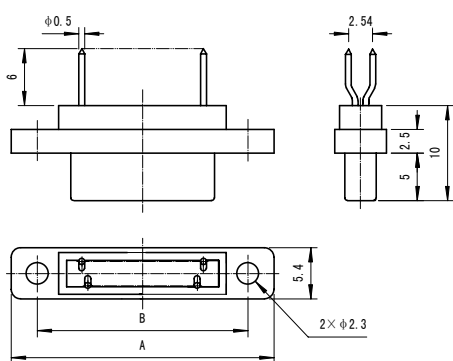
R26 Series Straight PCB Plug and Receptacle (Type N-J)



Plug R26-9~37TJN-J



Receptacle R26-9~37ZKN-J

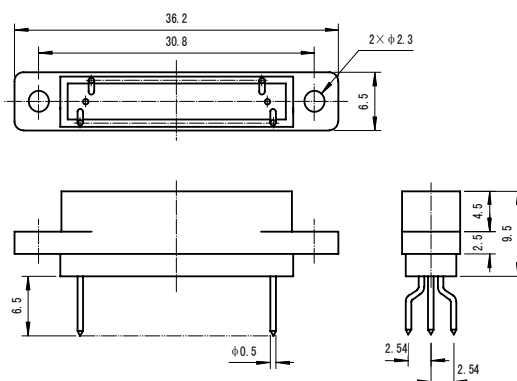
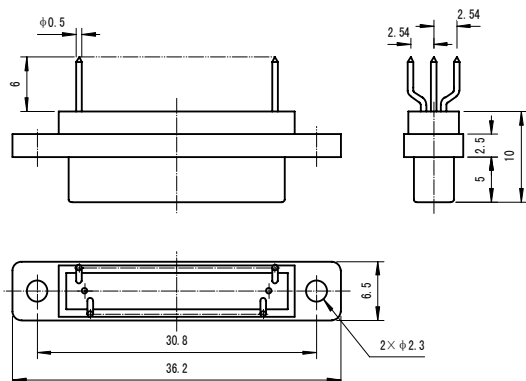


P/N	A	B
R26-9TJN-J	19.8	14.3
R26-15TJN-J	23.6	18.2
R26-21TJN-J	27.5	22.0
R26-25TJN-J	30.0	24.5
R26-31TJN-J	33.7	28.3
R26-37TJN-J	37.5	32.2

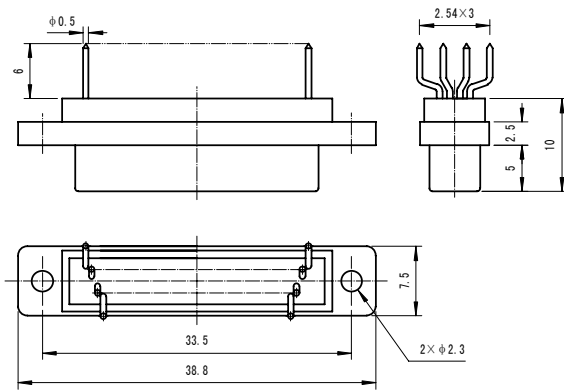
P/N	A	B
R26-9ZKN-J	19.8	14.3
R26-15ZKN-J	23.6	18.2
R26-21ZKN-J	27.5	22.0
R26-25ZKN-J	30.0	24.5
R26-31ZKN-J	33.7	28.3
R26-37ZKN-J	37.5	32.2

Plug R26-51TJN-J

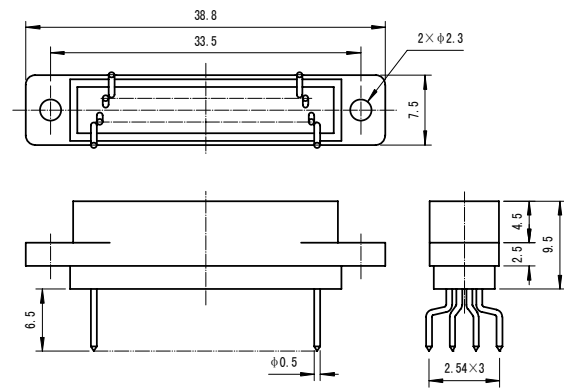
Receptacle R26-51ZKN-J



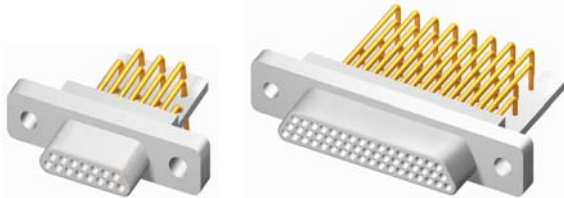
Plug R26-74TJN-J



Receptacle R26-74ZKN-J

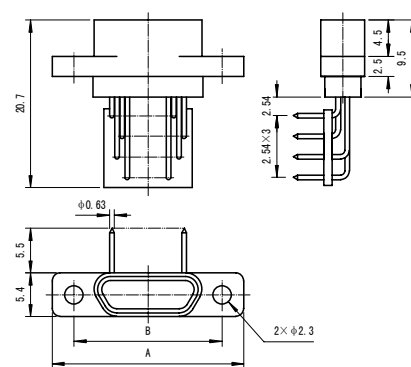
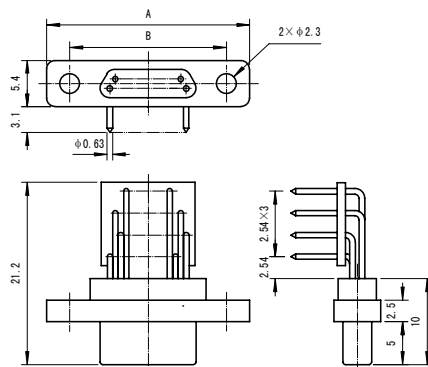


R26 Series Right Angle PCB Plug and Receptacle (Type W)



Plug R26-9~37TJW

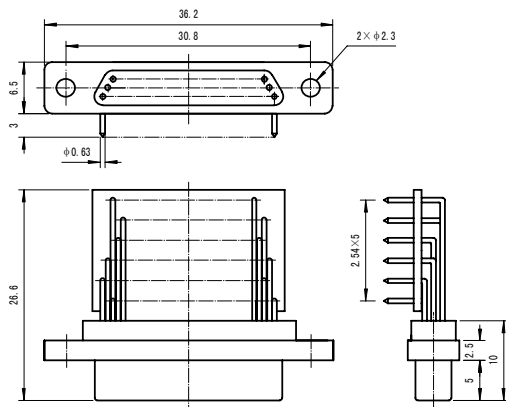
Receptacle R26-9~37ZKW



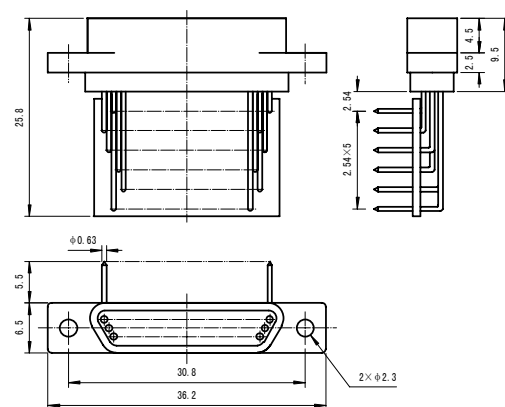
P/N	A	B
R26-9TJW	19.8	14.3
R26-15TJW	23.6	18.2
R26-21TJW	27.5	22.0
R26-25TJW	30.0	24.5
R26-31TJW	33.7	28.3
R26-37TJW	37.5	32.2

P/N	A	B
R26-9ZKW	19.8	14.3
R26-15ZKW	23.6	18.2
R26-21ZKW	27.5	22.0
R26-25ZKW	30.0	24.5
R26-31ZKW	33.7	28.3
R26-37ZKW	37.5	32.2

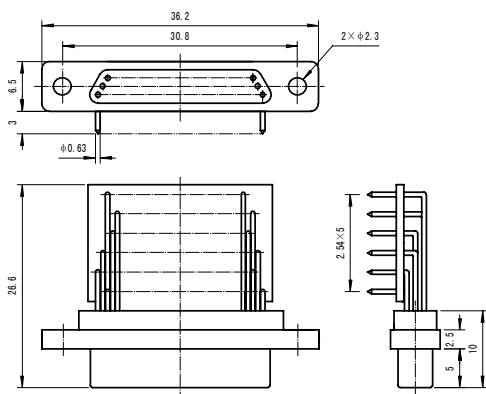
Plug R26-51TJW



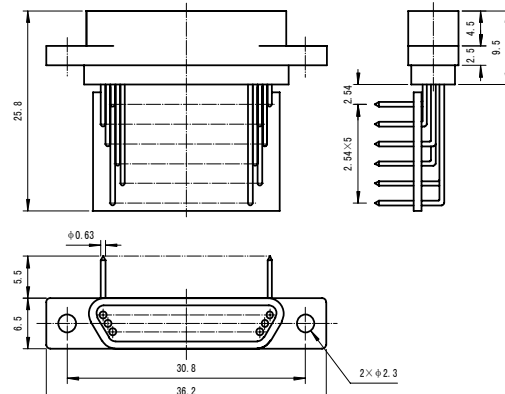
Receptacle R26-51ZKW



Plug R26-74TJW



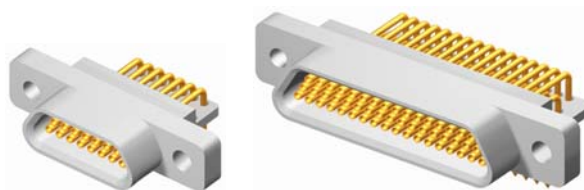
Receptacle R26-74ZKW



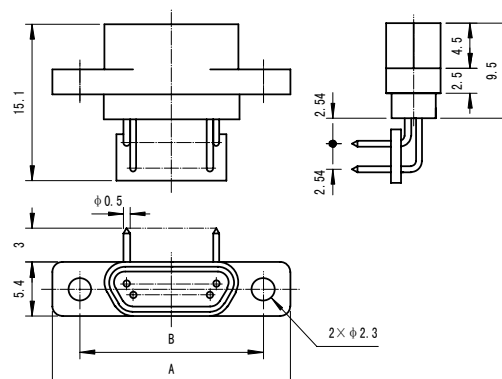
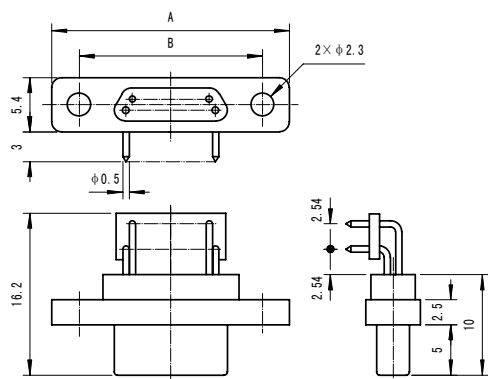
R26 Series Right Angle PCB Plug and Receptacle (Type W-J)



Plug R26-9~37TJW-J



Receptacle R26-9~37ZKW-J

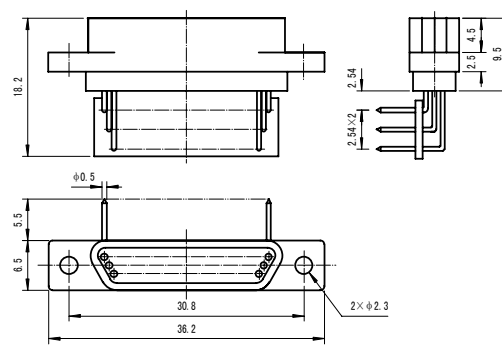
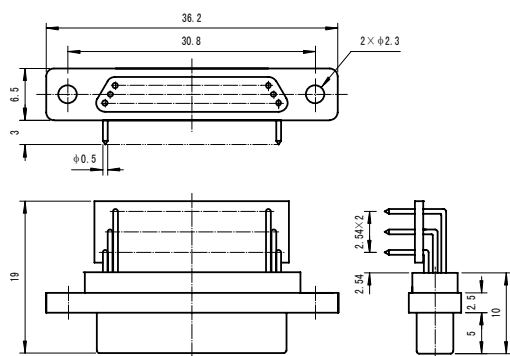


P/N	A	B
R26-9TJW-J	19.8	14.3
R26-15TJW-J	23.6	18.2
R26-21TJW-J	27.5	22.0
R26-25TJW-J	30.0	24.5
R26-31TJW-J	33.7	28.3
R26-37TJW-J	37.5	32.2

P/N	A	B
R26-9ZKW-J	19.8	14.3
R26-15ZKW-J	23.6	18.2
R26-21ZKW-J	27.5	22.0
R26-25ZKW-J	30.0	24.5
R26-31ZKW-J	33.7	28.3
R26-37ZKW-J	37.5	32.2

Plug R26-51TJW-J

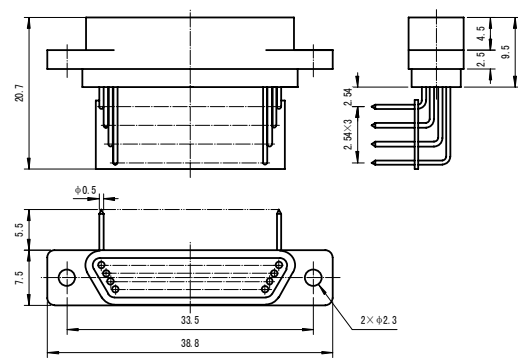
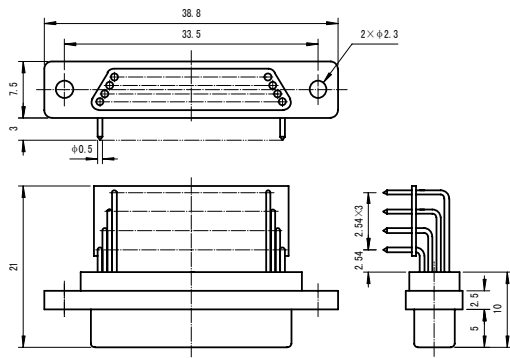
Receptacle R26-51ZKW-J



Plug R26-74TJW-J

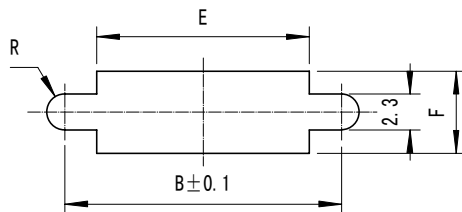


Receptacle R26-74ZKW-J



Panel Cut-out Dimensions

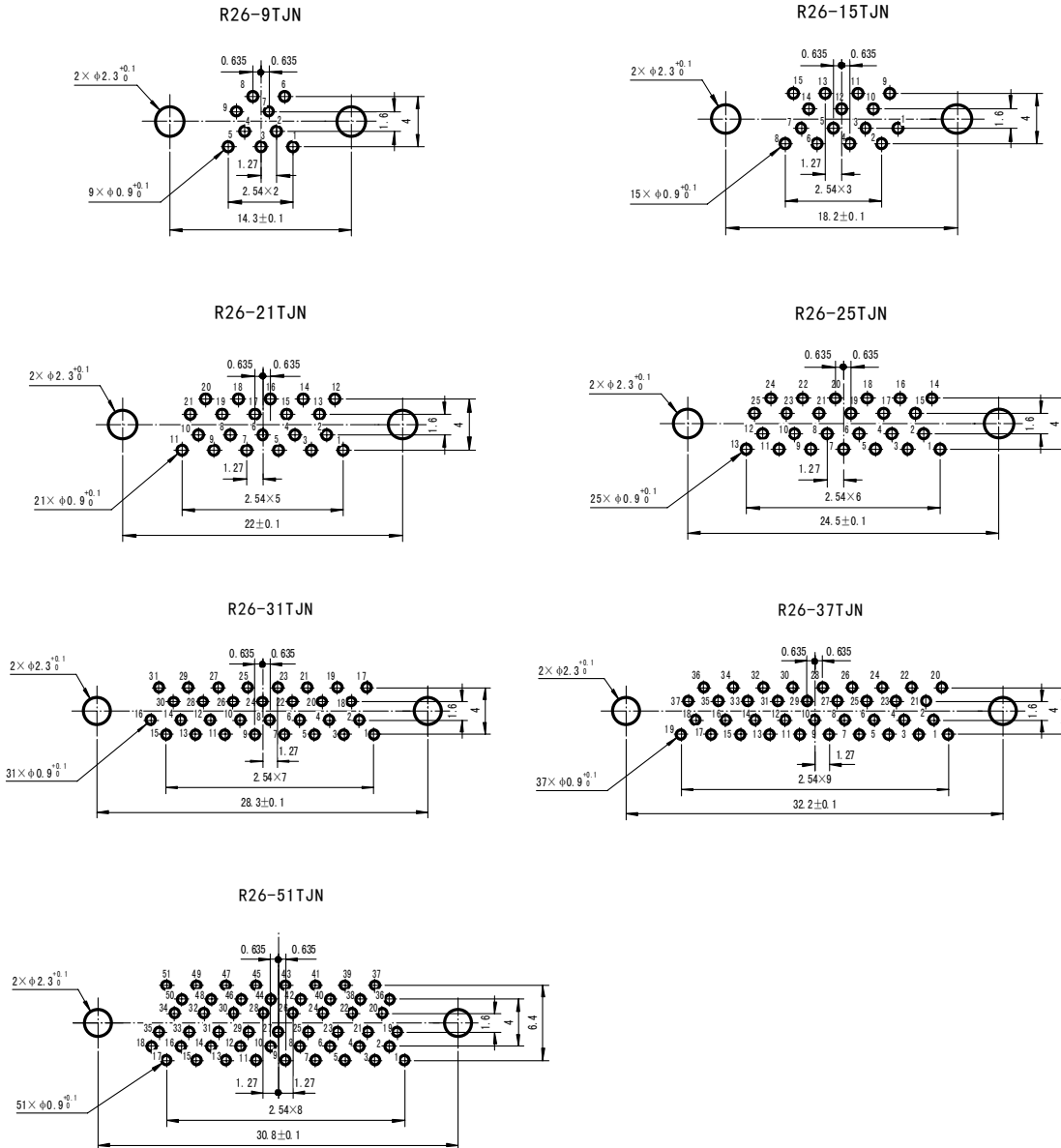
Cut-out dimension for receptacle front panel mounting



Size	B	E	F
R26-9	14.3	10.1	4.6
R26-15	18.2	14.2	4.6
R26-21	22.0	17.9	4.6
R26-25	24.5	20.8	4.6
R26-31	28.3	24.2	4.6
R26-37	32.2	28.2	4.6
R26-51	30.8	26.9	5.9
R26-74	33.5	29.7	6.8

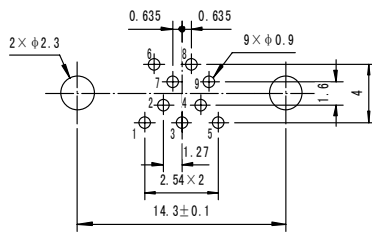
Recommended PCB Cut-out Dimensions

R26-×TJNPlug PCB cut-out dimensions (grid pattern 2.54×1.6)

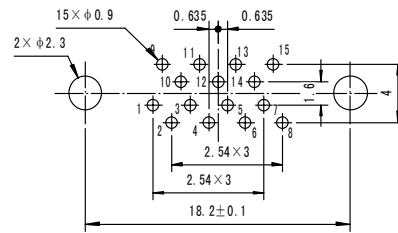


R26-xZKN receptacle PCB cut-out dimensions (grid pattern 2.54×1.6)

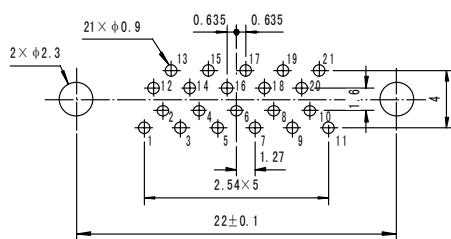
R26-9ZKN



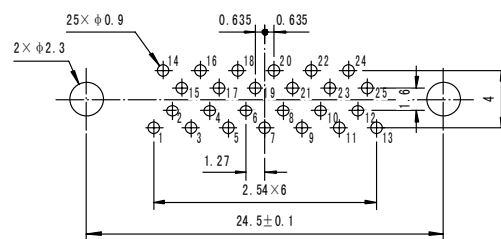
R26-15ZKN



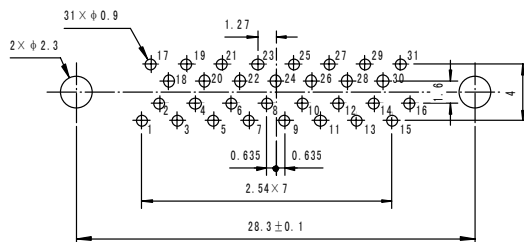
R26-21ZKN



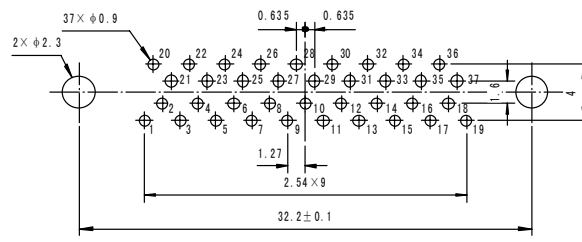
R26-25ZKN



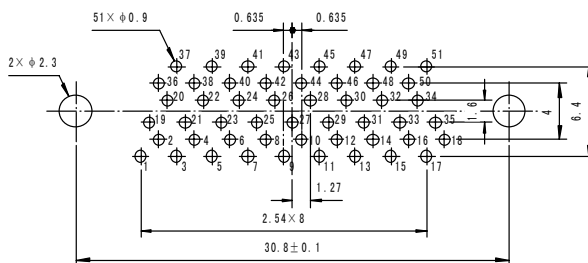
R26-31ZKN



R26-37ZKN

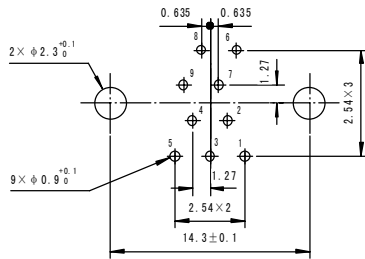


R26-51ZKN

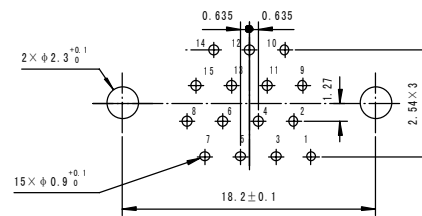


R26- $\times$ TJN1 plug PCB cut-out dimensions (grid pattern 2.54 $\times$ 2.54)

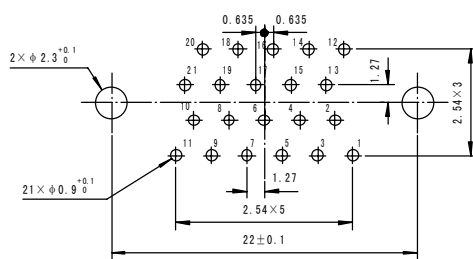
R26-9TJN1



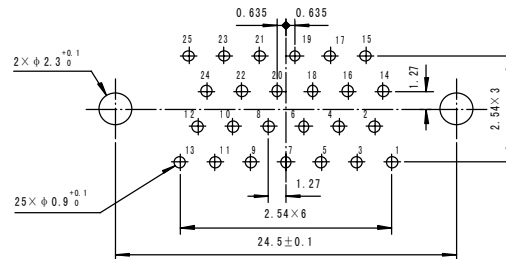
R26-15TJN1



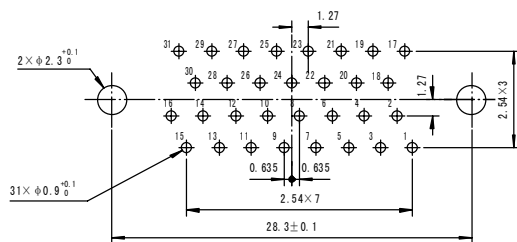
R26-21TJN1



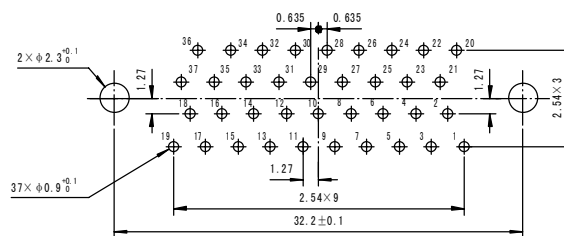
R26-25TJN1



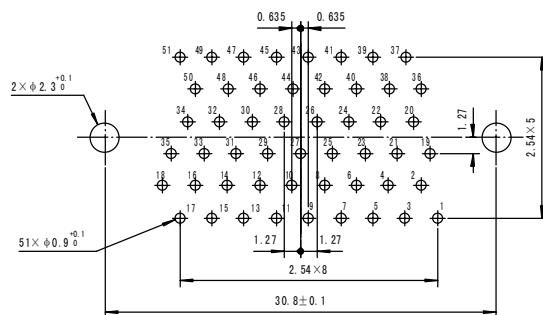
R26-31TJN1



R26-37TJN1

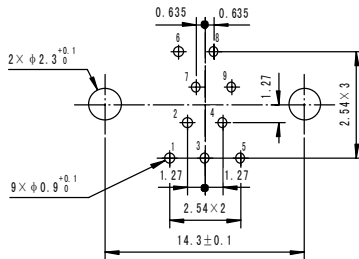


R26-51TJN1

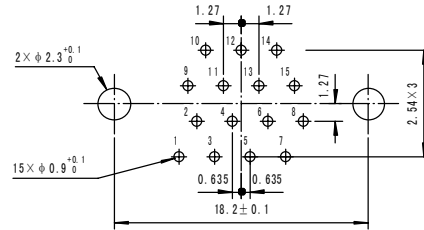


R26-xZKN1 receptacle PCB cut-out dimensions (grid pattern 2.54×2.54)

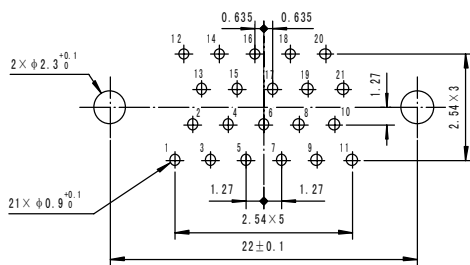
R26-9ZKN1



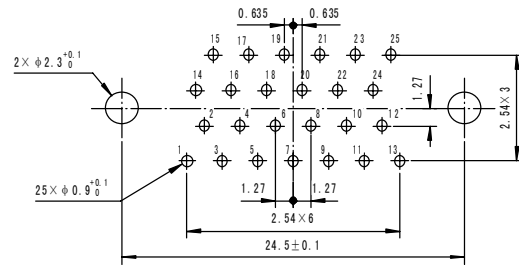
R26-15ZKN1



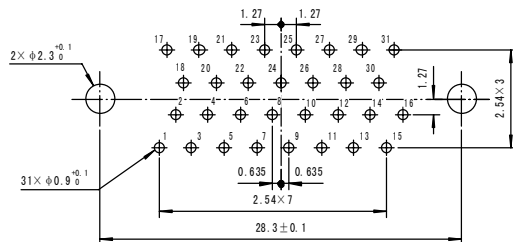
R26-21ZKN1



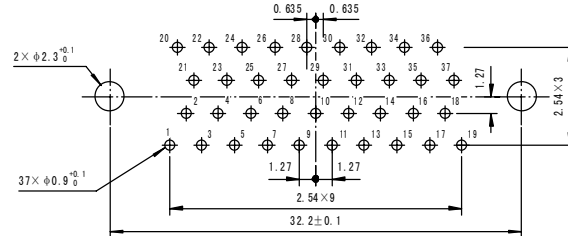
R26-25ZKN1



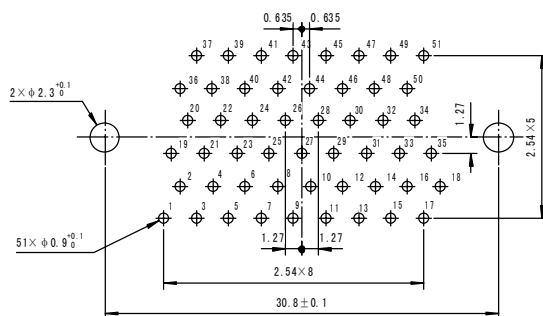
R26-31ZKN1



R26-37ZKN1

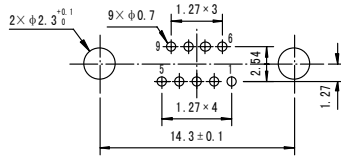


R26-51ZKN1

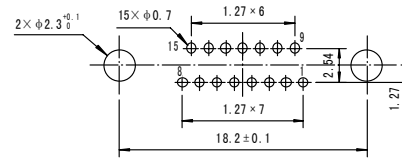


R26- $\times$ TJN-J plug PCB cut-out dimensions (grid pattern 1.27 $\times$ 2.54)

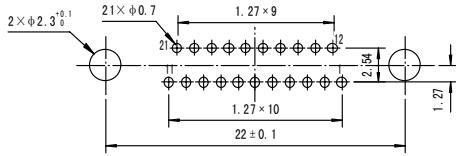
R26-9TJN-J



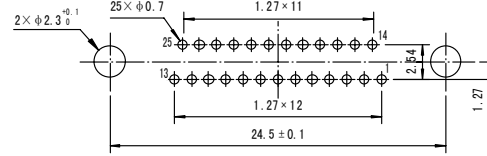
R26-15TJN-J



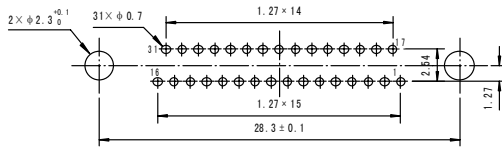
R26-21TJN-J



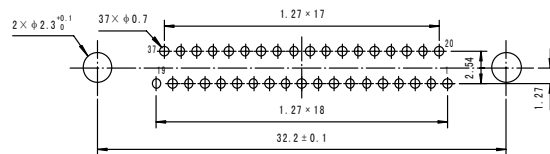
R26-25TJN-J



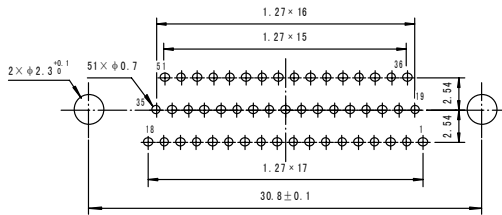
R26-31TJN-J



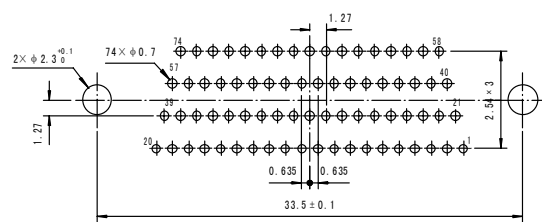
R26-37TJN-J



R26-51TJN-J

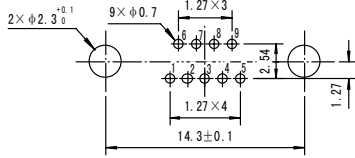


R26-74TJN-J

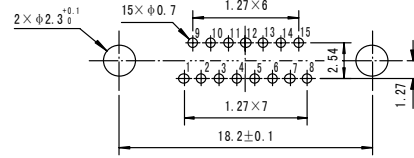


R26-xZKN-J receptacle PCB cut-out dimensions (grid pattern 1.27×2.54)

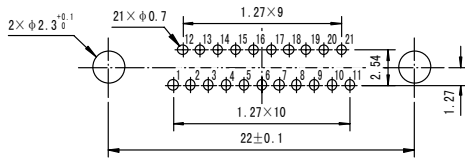
R26-9ZKN-J



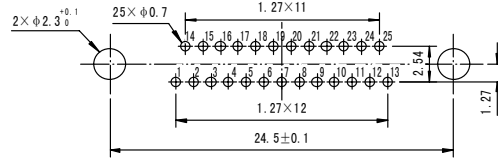
R26-15ZKN-J



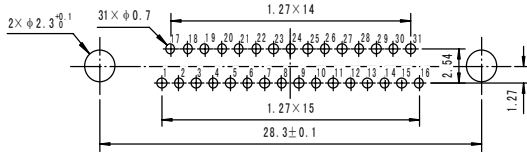
R26-21ZKN-J



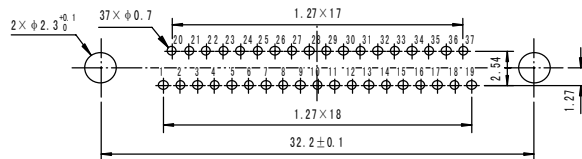
R26-25ZKN-J



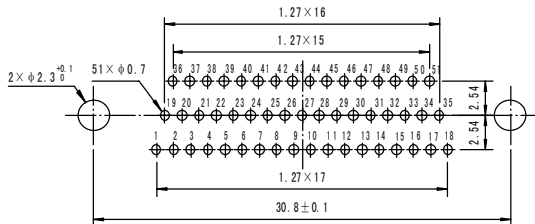
R26-31ZKN-J



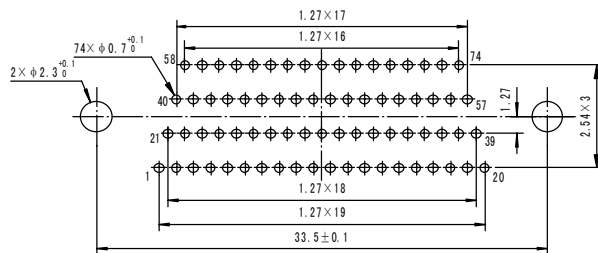
R26-37ZKN-J



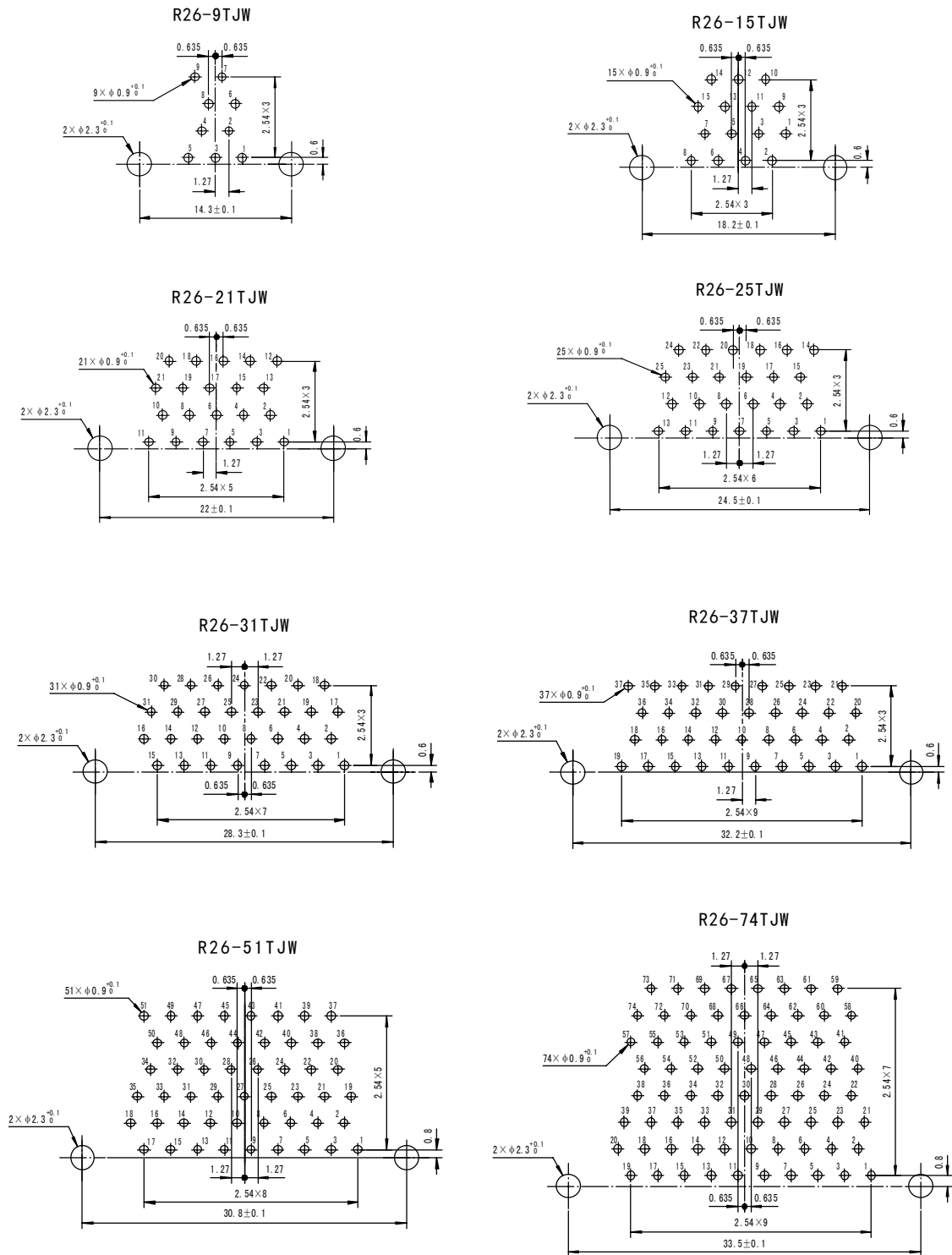
R26-51ZKN-J



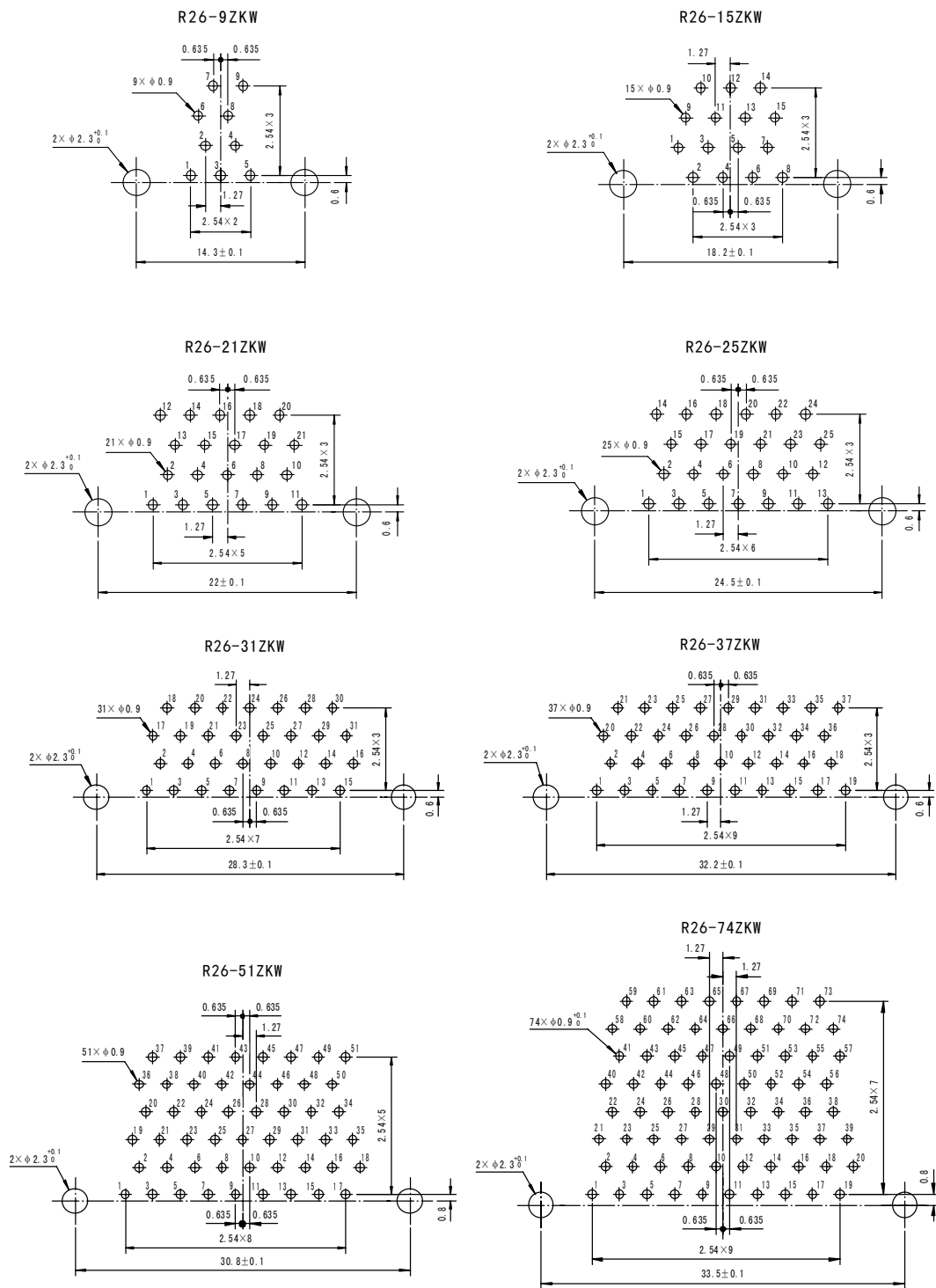
R26-74ZKN-J



R26- $\times$ TJW plug PCB cut-out dimensions (grid pattern 2.54 $\times$ 2.54)

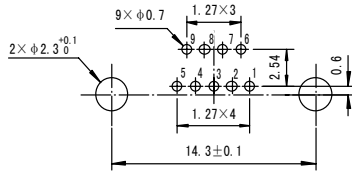


R26-xZKW receptacle PCB cut-out dimensions (grid pattern 2.54×2.54)

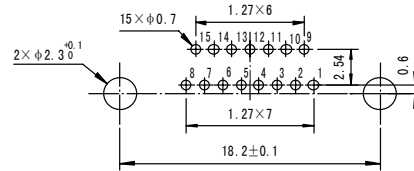


R26- $\times$ TJW-J plug PCB cut-out dimensions (grid pattern 1.27 $\times$ 2.54)

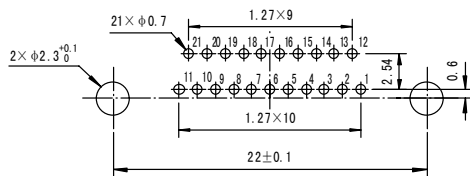
R26-9TJW-J



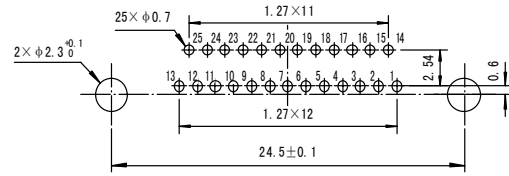
R26-15TJW-J



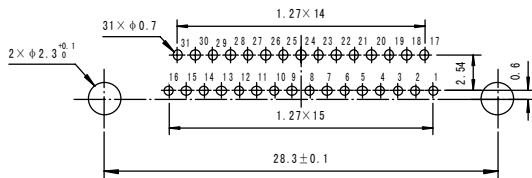
R26-21TJW-J



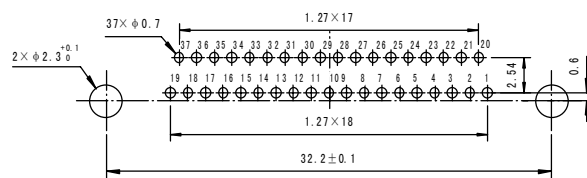
R26-25TJW-J



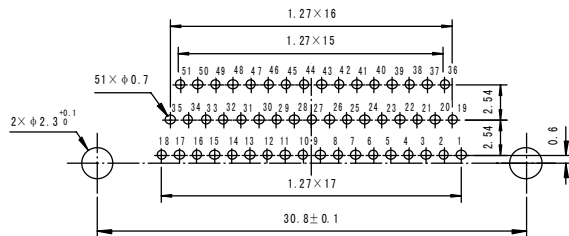
R26-31TJW-J



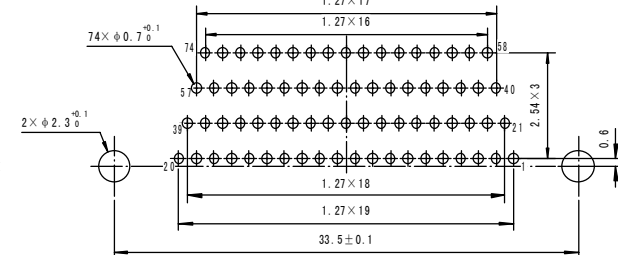
R26-37TJW-J



R26-51TJW-J

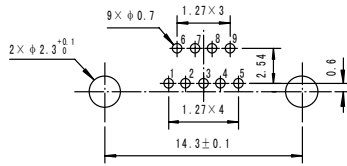


R26-74TJW-J

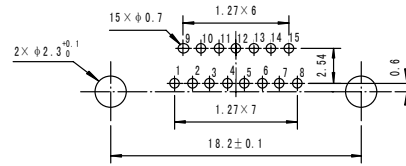


R26-xZKW-J receptacle PCB cut-out dimensions (grid pattern 1.27×2.54)

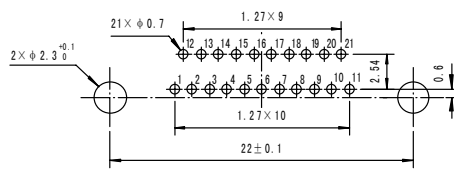
R26-9ZKW-J



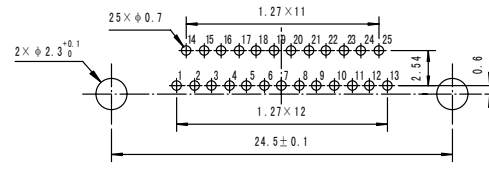
R26-15ZKW-J



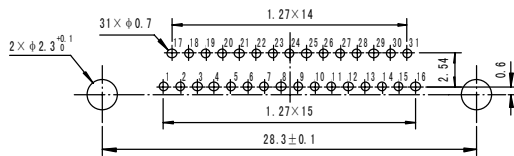
R26-21ZKW-J



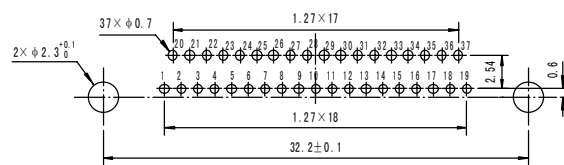
R26-25ZKW-J



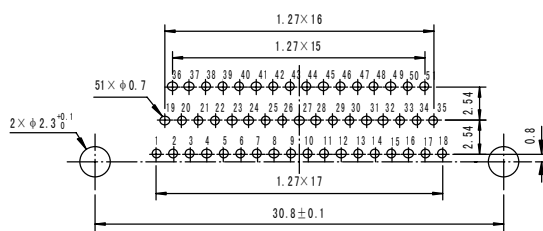
R26-31ZKW-J



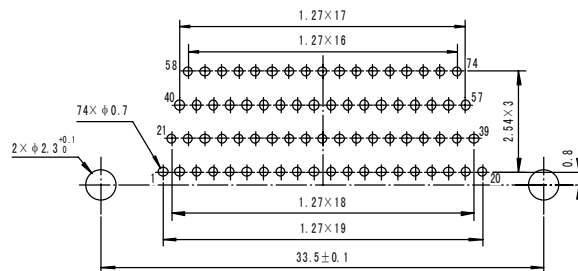
R26-37ZKW-J



R26-51ZKW-J



R26-74ZKW-J

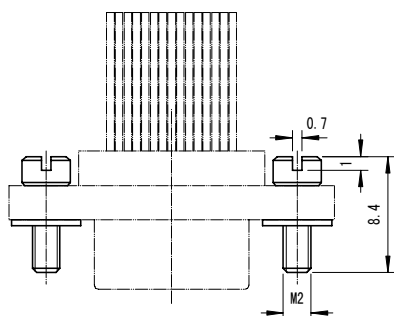


R26 series locking and installation assemblies

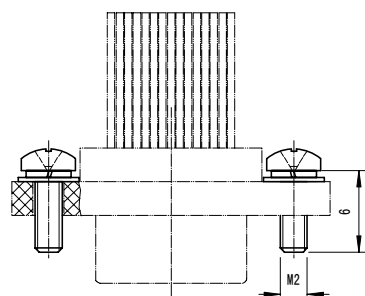
Class	Description	Ordering code	Note
Locking assemblies	The locking assembly is used for locking after the plug mates with the receptacle, it can be matched with crimped plug.	21E6-040-022-B1 21E6-040-076-B1	The locking assembly can be matched with the installation assembly.
Installation assemblies	The installation assembly is used for fixed the products and installation panel or PCB and can be matched with any kind of receptacle	21E6-040-023-B1 21E6-040-024-B1 21E6-040-303-B1 21E6-040-304-B1 21E6-040-025-B1	

Outline dimensions

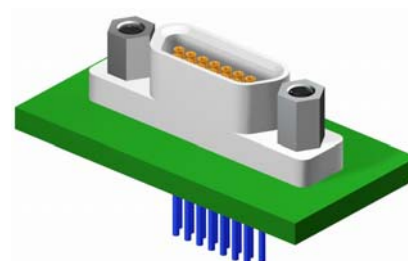
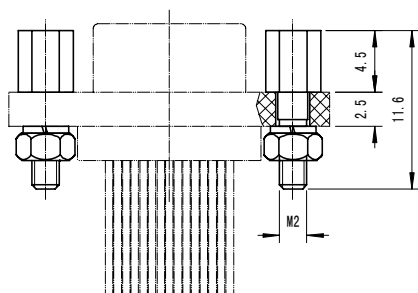
21E6-040-022-B1locking assembly



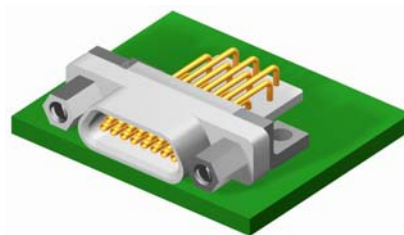
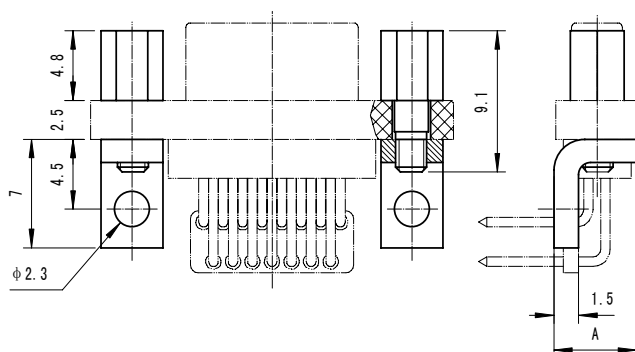
21E6-040-076-B1locking assembly



21E6-040-023-B1installation assembly

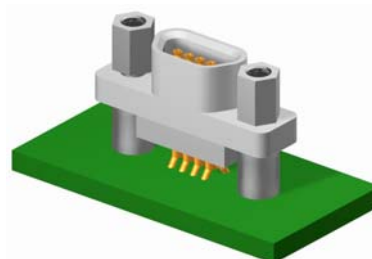
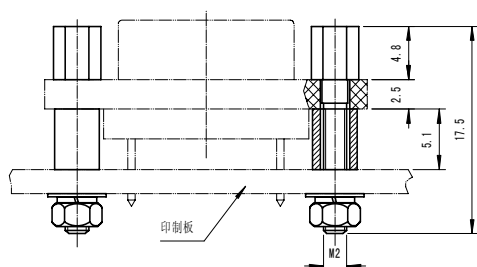


21E6-040-024、303、304-B1 installation assembly



Applicable product	locking assembly code	A
R26-9~37 right angle PCB product	21E6-040-024-B1	5.3
R26-51 right angle PCB product	21E6-040-303-B1	6.5
R26-74 right angle PCB product	21E6-040-304-B1	9.7

21E6-040-025-B1 installation assembly



Notes

Due to PDM update, the locking and installation assemblies are required to change the code of sub-component and the products are ordered according to the current code of sub-component. Only the code of sub-component is changed and the part, dimension and matching relationship are not changed. The product with locking and installation assemblies with the new code can be matched with the product with locking and installation assemblies with the old code

Comparison of locking and installation assemblies with old and new code

New code	Old code
21E6-040-022-B1	21E6.040.022
21E6-040-023-B1	21E6.040.023
21E6-040-024-B1	21E6.040.024-1
21E6-040-303-B1	21E6.040.024-2
21E6-040-304-B1	21E6.040.024-3
21E6-040-025-B1	21E6.040.025