

R23 Series Micro-miniature Rectangular Connectors

Product brief introduction

- Metallic shell
- Contact spacing 1.91mm, row spacing 1.65mm
- Plug with elastic twisted wire pins and with receptacle rigid sockets
- Number of contacts: 9, 15, 21, 25, 31, 37 for two-row; 51,66 for three-row
- Various locking devices and rear end cable clamp optional
- According to shell mounting flange width, plug and receptacle are classified as:
General (wide) — A type (narrow) and -A1 type (width between general and A type)
- Various types of termination: crimp, soldering, Straight PCB and Right angle PCB
- enterprise standard: Q/21EJ657



Main technical performances

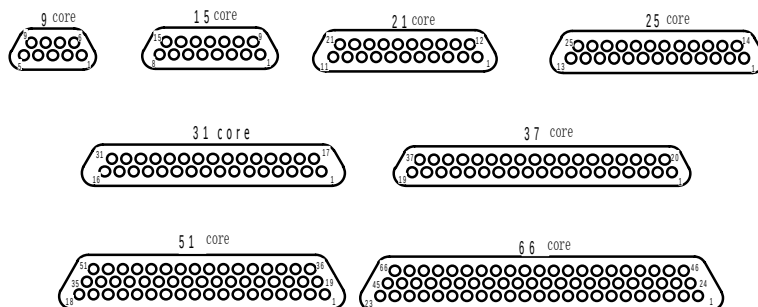
- Operating temperature: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
- vibration: $10 \sim 2000 \text{ Hz}, 196 \text{ m/s}^2$
- shock: $1200 \text{ m/s}^2, 6 \text{ ms}$
- Rated current: 3A
- insulation resistance: $\geq 5000 \text{ M}\Omega$
- Withstanding voltage: 1500 V DC
- durability: 500 cycles

Product classifications

Class	Sub-class	Basic mark	Remark
R23- General	Crimp Series	$\text{R23-x}_{\text{ZJ}}^{\text{TK}} \dots$	
	Soldering Series	$\text{R23-x}_{\text{ZJ}}^{\text{TK}} \text{H} \dots$	
	Straight PCB Series	$\text{R23-x}_{\text{ZJ}}^{\text{TK}} \text{N} \dots$	Gridding 1.91×1.65
	Right angle PCB W Series	$\text{R23-x}_{\text{ZJ}}^{\text{TK}} \text{W} \dots$	Gridding 1.91×2.54
	Right angle PCB WI Series	$\text{R23-x}_{\text{ZJ}}^{\text{TK}} \text{WI} \dots$	Gridding 3.82×2.54
R23--A type	Crimp Series	$\text{R23-x}_{\text{ZJ}}^{\text{TK}} \dots - \text{A}$	
	Soldering Series	$\text{R23-x}_{\text{ZJ}}^{\text{TK}} \text{H} \dots - \text{A}$	
	Right angle PCB W Series	$\text{R23-x}_{\text{ZJ}}^{\text{TK}} \text{W} \dots - \text{A}$	Gridding 1.91×2.54

	Right angle PCB WI Series	R23-x _{ZJ} ^{TK} WI...-A	Gridding 3.82×2.54
R23--A1 type	Crimp Series	R23-x _{ZJ} ^{TK} ...-A1	
	Soldering Series	R23-x _{ZJ} ^{TK} H...-A1	

Contact arrangements (View from matching surface of insulator with sockets)



Designation_

R23-15 TK H L -A1 D2
1 2 3 4 5 6 7

- Basic series: R23
- Contact Number of contacts: 9, 15, 21, 25, 31, 37, 51, 66
- Connector and Contact types:
TJ - Plug with sockets; ZK - Receptacle with pins
- Contact termination type: Blank - crimp; H - soldering;
N— Straight PCB, Gridding 1.91×2.54;
W— Right angle PCB, Gridding 1.91×2.54;
WI— Right angle PCB, Gridding 3.82×2.54
- locking devices type: See "R23 Locking devices ". 6

Shell modification:

Blank - General Series

A- Shell mounting flange width equal to the end

A1 shell mounting flange width between General type and A type

- Accessory type: D-with built-in cable clamp, Applicable for General Crimp and Soldering Series Product

D1- without built-in cable clamp, Applicable for General Crimp Series Product

D2- with built-in cable clamp, Applicable for -A1 Crimp and Soldering Series Product

Order instruction

If users have no special requirements on the crimped products, size, color and length of wires applicable for R23 series are AFR-250-0.15-250V, White, L=250mm; If users have special requirements on wires, indicate them after part numbers of plug or receptacle in the format below:

- Plug and receptacle part numbers: do not change the original part numbers;
- Wire section: directly indicate wire section, if omitted, 0.15mm²;
L70 Series Product, applicable wire gauge 0.15~0.3mm²

3) Wire Color: Directly indicate wire Color. if omitted, White;

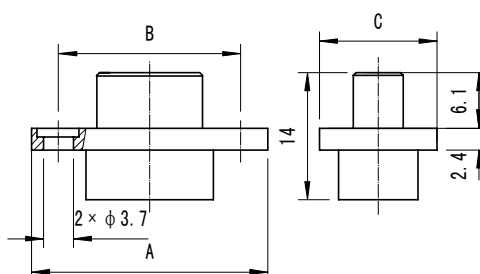
4) Wire Length: Wire length protruded from shell end face, in mm, if omitted, 250mm;

For example: if user orders R23-25TKL Product, requires wire is
AFR-250-0.2, red, Length Is 0.6m, ordering P/N: R23-25TKL (0.2 red L600)

Outline dimensions R23

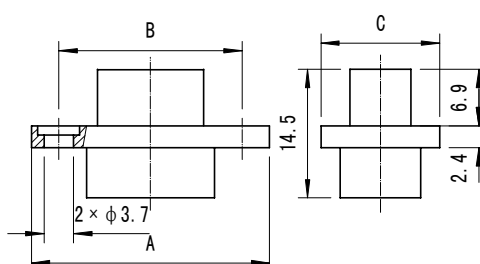
General crimp series

Plug R23-9, 15, 21, 25, 31, 37, 51, 66TK



P/N	A	B	C
R23-9TK	26.1	20.1	13
R23-15TK	31.6	25.6	13
R23-21TK	37.3	31.3	13
R23-25TK	42	36	13
R23-31TK	47.8	41.8	13
R23-37TK	53.5	47.5	13
R23-51TK	52	46	14.6
R23-66TK	61.5	55.5	14.6

Receptacle R23-9, 15, 21, 25, 31, 37, 51, 66TK



P/N	A	B	C
R23-9ZJ	26.1	20.1	13
R23-15ZJ	31.6	25.6	13
R23-21ZJ	37.3	31.3	13
R23-25ZJ	42	36	13
R23-31ZJ	47.8	41.8	13
R23-37ZJ	53.5	47.5	13

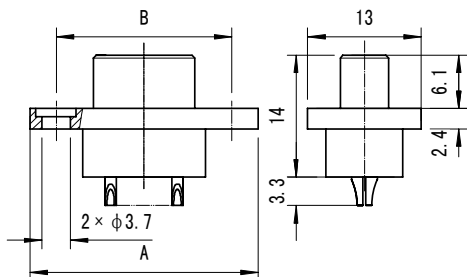
R23-51ZJ	52	46	14.6
R23-66ZJ	61.5	55.5	14.6

Mounting cutout dimensions

See "R23 Series product mounting cutout dimensions"

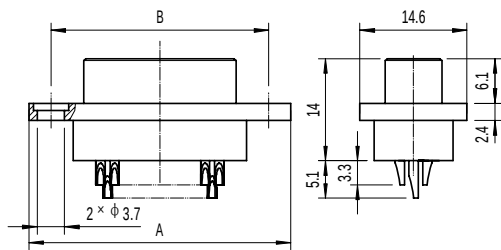
R23 General soldering series

Plug R23-9, 15, 25, 37TKH



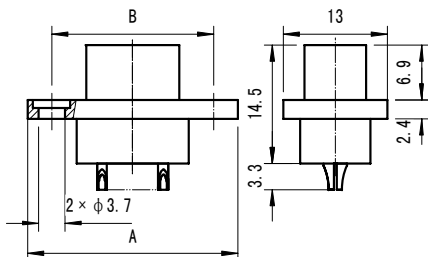
P/N	A	B
R23-9TKH	26.1	20.1
R23-15TKH	31.6	25.6
R23-25TKH	42	36
R23-37TKH	53.5	47.5

Plug R23-51, 66TKH



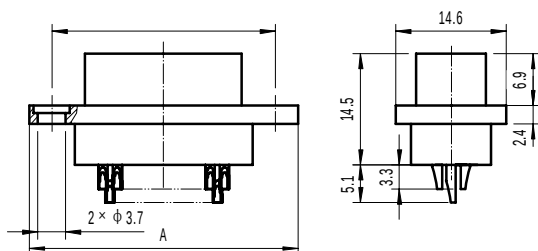
P/N	A	B
R23-51TKH	52	46
R23-66TKH	61.5	55.5

Receptacle R23-9, 15, 25, 37ZJH



P/N	A	B
R23-9ZJH	26.1	20.1
R23-15ZJH	31.6	25.6
R23-25ZJH	42	36
R23-37ZJH	53.5	47.5

Receptacle R23-51, 66ZJH



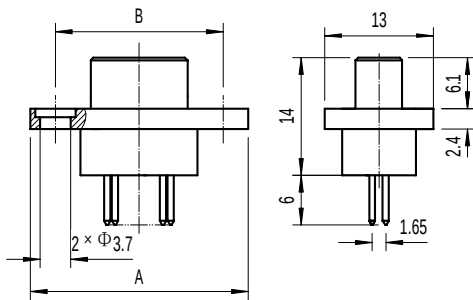
P/N	A	B
R23-51ZJH	52	46
R23-66ZJH	61.5	55.5

Mounting cutout dimensions

See "R23 Series product mounting cutout dimensions".

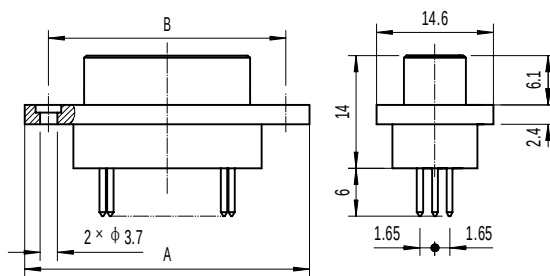
R23 General Straight PCB Series (Gridding 1.91×1.65)

Plug R23-9, 15, 25, 37TKN



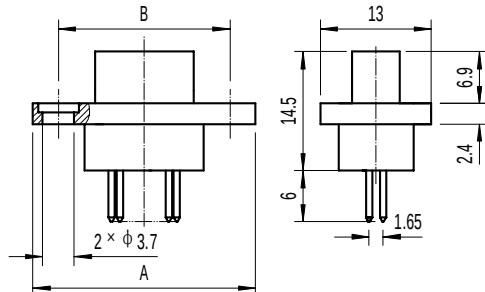
P/N	A	B
R23-9TKN	26.1	20.1
R23-15TKN	31.6	25.6
R23-25TKN	42	36
R23-37TKN	53.5	47.5

Plug R23-51, 66TKN



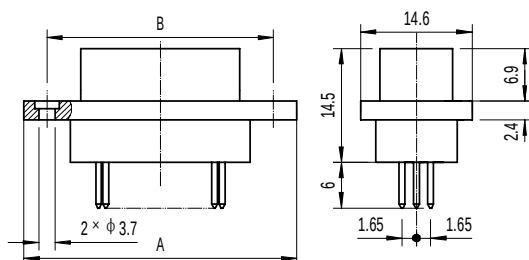
P/N	A	B
R23-51TKN	52	46
R23-66TKN	61.5	55.5

Receptacle R23-9, 15, 25, 37ZJN



P/N	A	B
R23-9ZJN	26.1	20.1
R23-15ZJN	31.6	25.6
R23-25ZJN	42	36
R23-37ZJN	53.5	47.5

Receptacle R23-51, 66ZJN

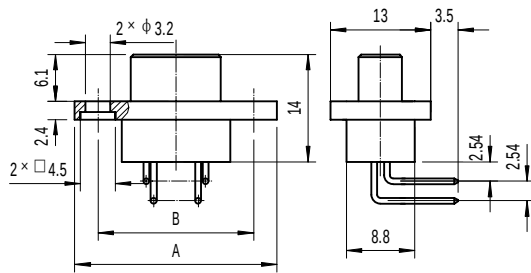


P/N	A	B
R23-51ZJN	52	46
R23-66ZJN	61.5	55.5

Recommended PCB cutout dimensions
See "R23 Series PCB cutout dimensions"

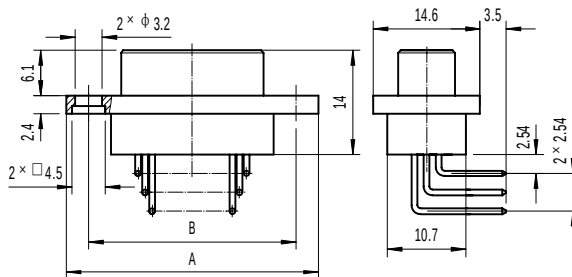
R23 General Right angle PCB W Series (Gridding 1.91×2.54)

Plug R23-9, 15, 25, 37TKW



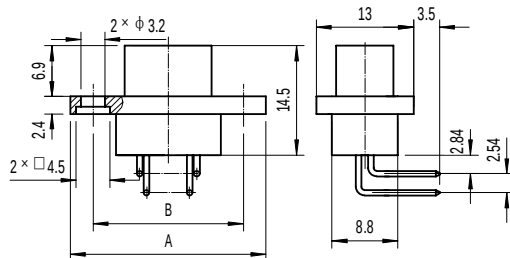
P/N	A	B
R23-9TKW	26.1	20.1
R23-15TKW	31.6	25.6
R23-25TKW	42	36
R23-37TKW	53.5	47.5

Plug R23-51, 66TKW



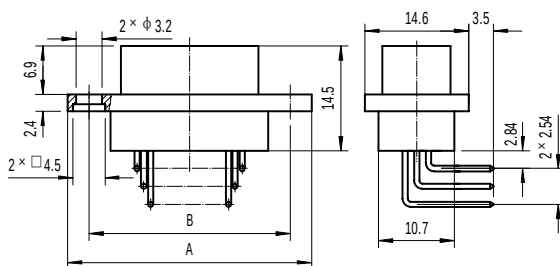
P/N	A	B
R23-51TKW	52	46
R23-66TKW	61.5	55.5

Receptacle R23-9, 15, 25, 37ZJW



P/N	A	B
R23-9ZJW	26.1	20.1
R23-15ZJW	31.6	25.6
R23-25ZJW	42	36
R23-37ZJW	53.5	47.5

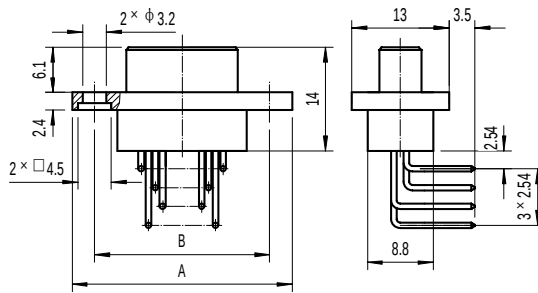
Receptacle R23-51, 66ZJW



P/N	A	B
R23-51ZJW	52	46
R23-66ZJW	61,5	55.5

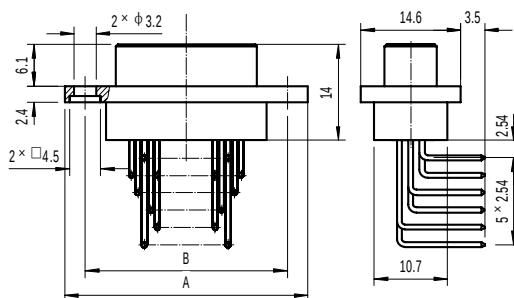
Recommended PCB cutout
dimensions See "R23 Series PCB
cutout dimensions".

R23 General Right angle PCB WI Series (Gridding 3.82×2.54) Plug MDM-9, 15, 25, 37TKWI



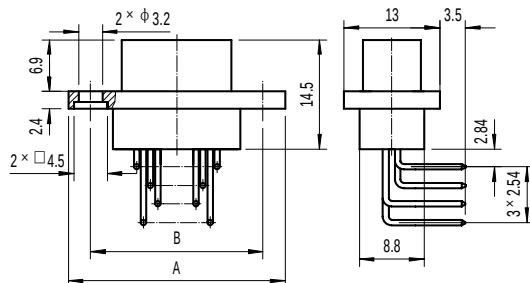
P/N	A	B
R23-9TKWI	26.1	20.1
R23-15TKWI	31.6	25.6
R23-25TKWI	42	36
R23-37TKWI	53.5	47.5

Plug R23-51, 66TKWI



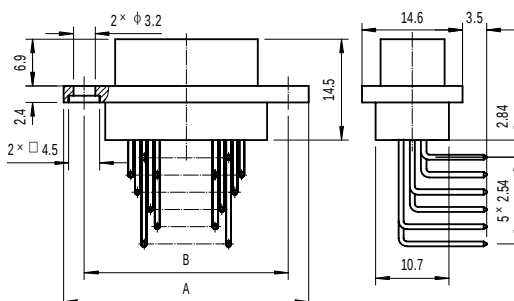
P/N	A	B
R23-51TKWI	52	46
R23-66TKWI	61.5	55.5

Receptacle R23-9, 15, 25, 37ZJWI



P/N	A	B
R23-9ZJWI	26.1	20.1
R23-15ZJWI	31.6	25.6
R23-25ZJWI	42	36
R23-37ZJWI	53.5	47.5

Receptacle R23- 51, 66ZJWI

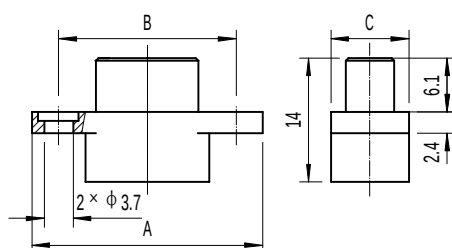


P/N	A	B
R23-51ZJWI	52	46
R23-66ZJWI	61.5	55.5

Recommended PCB cutout dimensions See "R23 Series PCB cutout dimensions".

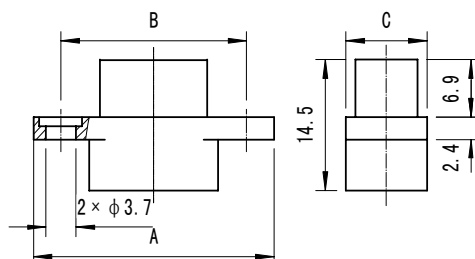
R23-A crimp series PlugMDM70-9,

15, 25, 37, 51, 66TK-A



P/N	A	B	C
R23-9TK-A	26.1	20.1	8.8
R23-15TK-A	31.6	25.6	8.8
R23-25TK-A	42	36	8.8
R23-37TK-A	53.5	47.5	8.8
R23-51TK-A	52	46	10.7
R23-66TK-A	61.5	55.5	10.7

Receptacle R23-9, 15, 25, 37, 51, 66ZJ-A



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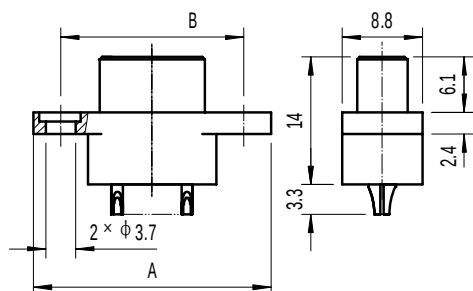
P/N	A	B	C
R23-9ZJ-A	26.1	20.1	8.8
R23-15ZJ-A	31.6	25.6	8.8
R23-25ZJ-A	42	36	8.8
R23-37ZJ-A	53.5	47.5	8.8
R23-51ZJ-A	52	46	10.7
R23-66ZJ-A	61.5	55.5	10.7

Mounting cutout dimensions

See "R23 Series product mounting cutout dimensions".

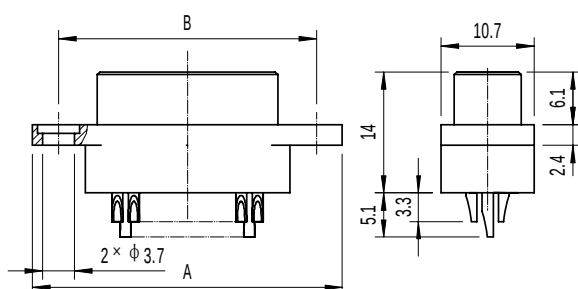
R23-A soldering series

Plug R23-9, 15, 25, 37TKH-A



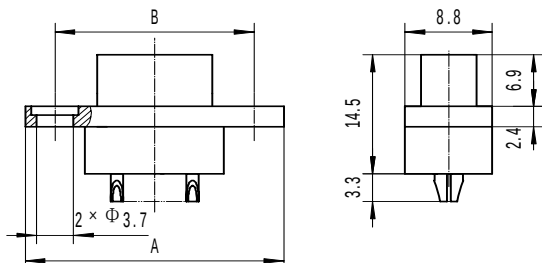
P/N	A	B
R23-9TKH-A	26.1	20.1
R23-15TKH-A	31.6	25.6
R23-25TKH-A	42	36
R23-37TKH-A	53.5	47.5

Plug R23-51, 66TKH-A



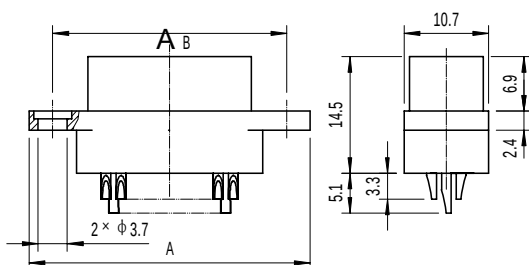
P/N	A	B
R23-51TKH-A	52	46
R23-66TKH-A	61.5	55.5

Receptacle R23-9, 15, 25, 37ZJH-A



P/N	A	B
R23-9ZJH-A	26.1	20.1
R23-15ZJH-A	31.6	25.6
R23-25ZJH-A	42	36
R23-37ZJH-A	53.5	47.5

Receptacle R23-51, 66ZJH-



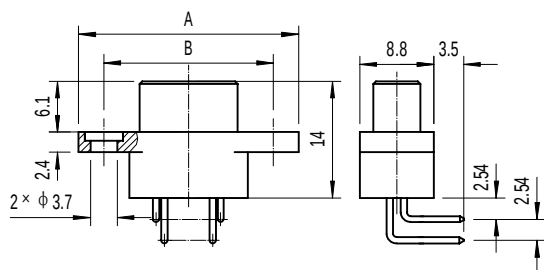
P/N	A	B
R23-51ZJH-A	52	46
R23-66ZJH-A	61.5	55.5

Mounting cutout dimensions

See "R23 Series product mounting cutout dimensions".

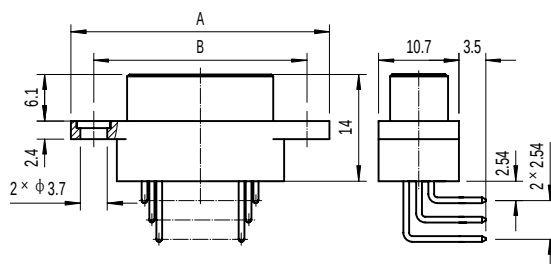
R23-A type Right angle PCB W Series (Gridding 1.91×2.54)

Plug R23-9, 15, 25, 37TKW-A



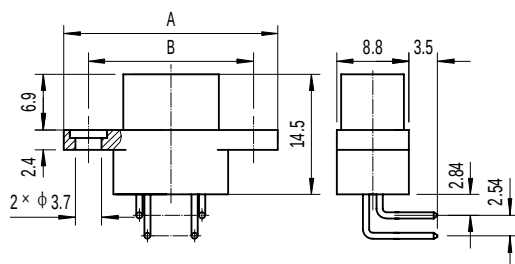
P/N	A	B
R23-9TKW-A	26.1	20.1
R23-15TKW-A	31.6	25.6
R23-25TKW-A	42	36
R23-37TKW-A	53.5	47.5

Plug R23-51, 66TKW-A



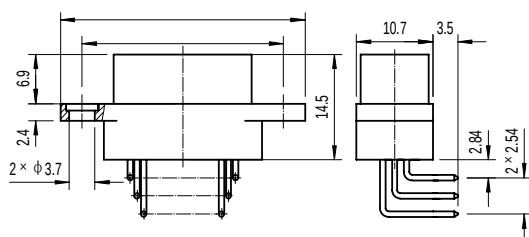
P/N	A	B
R23-51TKW-A	52	46
R23-66TKW-A	61.5	55.5

Receptacle R23-9, 15, 25, 37ZJW-A



P/N	A	B
R23-9ZJW-A	26.1	20.1
R23-15ZJW-A	31.6	25.6
R23-25ZJW-A	42	36
R23-37ZJW-A	53.5	47.5

Receptacle R23-51, 66ZJW-A _{AB}

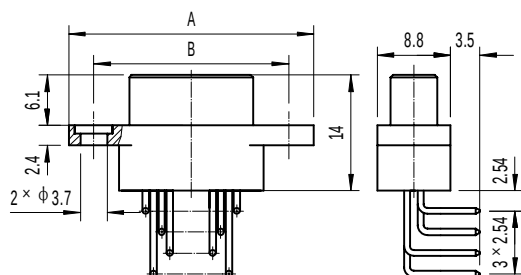


P/N	A	B
R23-51ZJW-A	52	46
R23-66ZJW-A	61.5	55.5

Recommended PCB cutout
dimensions See "R23 Series product
mounting cutout dimensions"

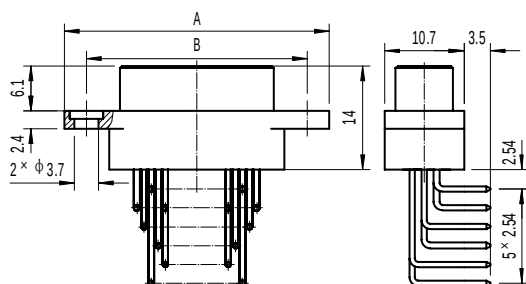
R23-A Right angle PCB WI Series (Gridding 3.81×2.54)

Plug R23-9, 15, 25, 37TKWI-A



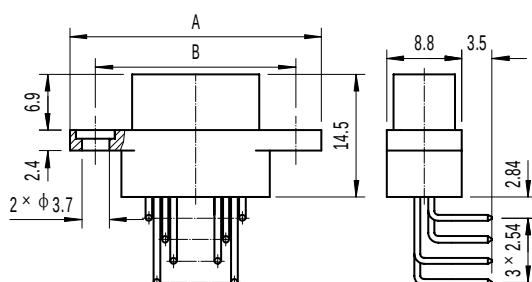
P/N	A	B
R23-9TKWI-A	26.1	20.1
R23-15TKWI-A	31.6	25.6
R23-25TKWI-A	42	36
R23-37TKWI-A	53.5	47.5

Plug R23-51, 66TKWI-A



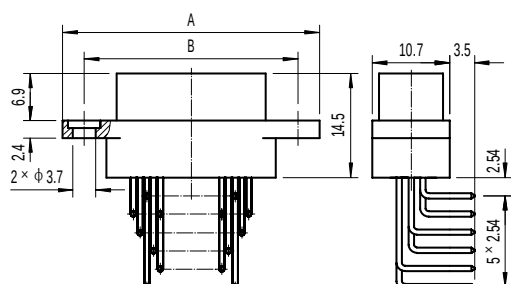
P/N	A	B
R23-51TKWI-A	52	46
R23-66TKWI-A	61.5	55.5

Receptacle R23-9, 15, 25, 37ZJWI-A



P/N	A	B
R23-9ZJWI-A	26.1	20.1
R23-15ZJWI-A	31.6	25.6
R23-25ZJWI-A	42	36
R23-37ZJWI-A	53.5	47.5

Receptacle R23-51, 66ZJWI-A



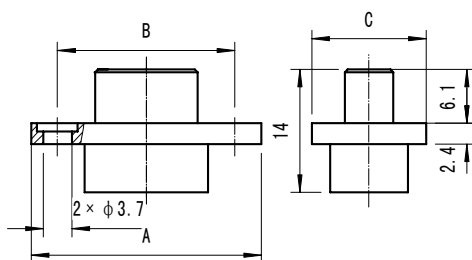
P/N	A	B
R23-51ZJWI-A	52	46
R23-66ZJWI-A	61.5	55.5

Recommended PCB cutout dimensions

See "R23 Series product mounting cutout dimensions".

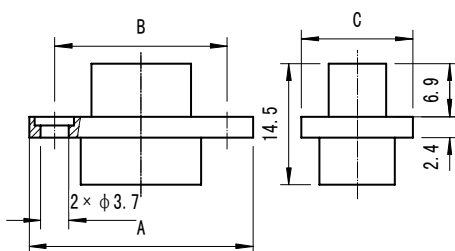
R23-A1 crimp series

Plug R23-9, 15, 25, 37, 51, 66TK-A1



P/N	A	B	C
R23-9TK-A1	26.1	20.1	11
R23-15TK-A1	31.6	25.6	11
R23-25TK-A1	42	36	11
R23-37TK-A1	53.5	47.5	11
R23-51TK-A1	52	46	12.6
R23-66TK-A1	61.5	55.5	12.6

Receptacle R23-9, 15, 25, 37, 51, 66ZJ-A1



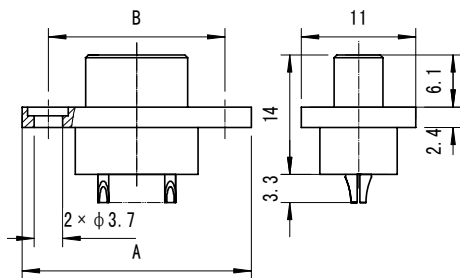
P/N	A	B	C
R23-9ZJ-A1	26.1	20.1	11
R23-15ZJ-A1	31.6	25.6	11
R23-25ZJ-A1	42	36	11
R23-37ZJ-A1	53.5	47.5	11
R23-51ZJ-A1	52	46	12.6
R23-66ZJ-A1	61.5	55.5	12.6

Mounting cutout dimensions

See "R23 Series product mounting cutout dimensions".

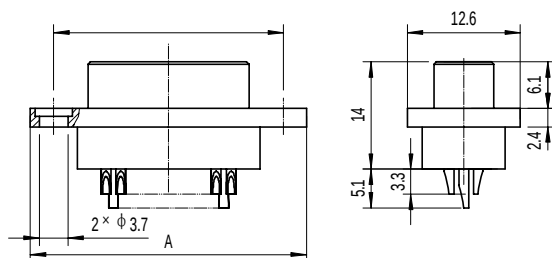
R23-A1 soldering series

Plug R23-9, 15, 25, 37TKH-A1



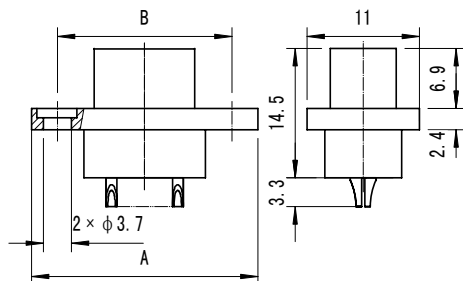
P/N	A	B
R23-9TKH-A1	26.1	20.1
R23-15TKH-A1	31.6	25.6
R23-25TKH-A1	42	36
R23-37TKH-A1	53.5	47.5

Plug R23-51, 66TKH-A1 _B



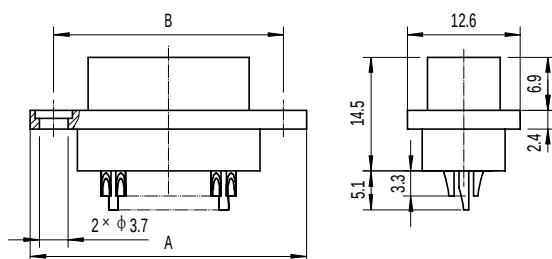
P/N	A	B
R23-51TKH-A1	52	46
R23-66TKH-A1	61.5	55.5

Receptacle R23-9, 15, 25, 37ZJH-A1



P/N	A	B
R23-9ZJH-A1	26.1	20.1
R23-15ZJH-A1	31.6	25.6
R23-25ZJH-A1	42	36
R23-37ZJH-A1	53.5	47.5

Receptacle R23-51, 66ZJH-A1



P/N	A	B
R23-51ZJH-A1	52	46
R23-66ZJH-A1	61.5	55.5

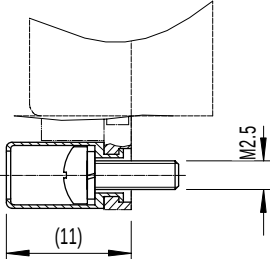
Mounting cutout dimensions

See "R23 Series product mounting cutout dimensions".

R23 Locking devices

Free end locking devices Outline dimensions

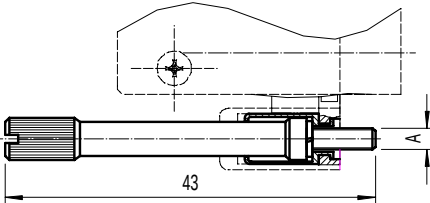
- L type Locking devices

Assembling illustration	Assembly Outline dimensions
	

L type locking devices matching table

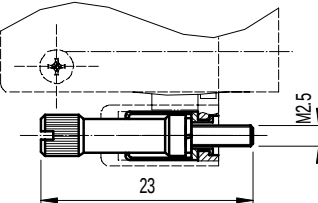
Free end Locking devices	Applicable fixed end Locking devices
L type	P, P1, P3, P4, P5, P8, P9, P11~P16 type

- L1, L2 type Locking devices

Assembling illustration	Assembly Outline dimensions
	

Free end Locking devices	Applicable fixed end Locking devices	Applicable accessories	A
L1 type	P, P1, P3, P4, P5, P8, P9, P11~P16 type	D, D1, D2 type	M2.5
L2 type	P6 type	D, D1, D2 type	0.099-48UNC-2A

- L3 type Locking devices

Assembling illustration	Assembly Outline dimensions	
		
Free end Locking devices	Applicable fixed end Locking devices	Applicable accessories



APMA

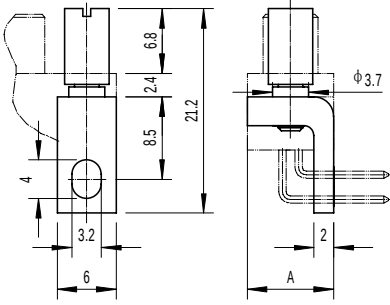
L3 type	P、P1、P3、P4、P5、P8、P9、P11~P16 type	D, D1, D2 type
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Fixed end locking devices Outline dimensions

- P type locking devices

P type locking devices are used for edge mounting of “-A” shell Right angle PCB Series Product without mounting panel.

P type locking devices with studded nut bracket which has $\Phi 3.7$ round shoulder.

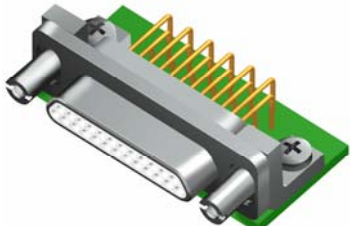
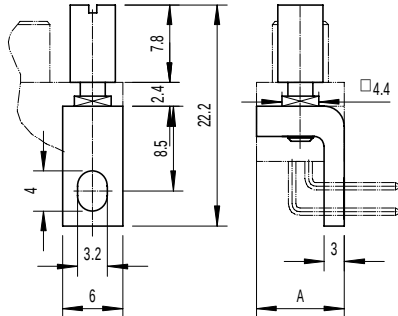
Assembling illustration	Assembly Outline dimensions
	

Fixed end Locking devices	Applicable Free end Locking devices	A	Remark
P type	L, L1, L3 type	8.8	9~37 contacts
		10.7	51~66 contacts

- P15 type locking devices

P15 type locking devices Only for R23- $\times$ TKW/ZJW/TKW I /ZKW I Right angle PCB Series Product edge mounting type, without mounting panel.

P15 type locking devices with studded nut bracket which has 4.4 square mounting shoulder.

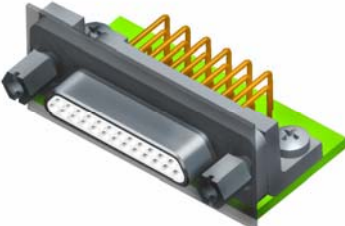
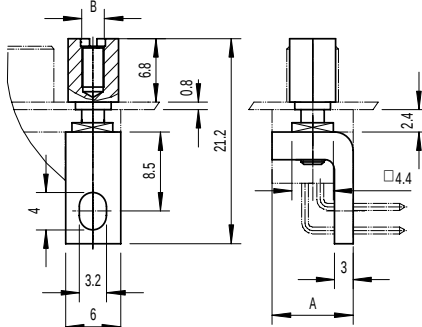
Assembling illustration	Assembly Outline dimensions
	

Fixed end Locking devices	Applicable Free end Locking devices	A	Remark
P15 type	L, L1, L3 type	13	9~37 contacts
		14.6	51~66

			contacts
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● 3, P6 type locking devices

P3, P6 type locking devices Only for R23-×TKW/ZJW/TKW I /ZJW I Right angle PCB Series Product back panel edge mounting type, mounting panel thickness 0.8mm. P3, P6 type locking devices with studded nut bracket which has □4.4 square mounting shoulder.

Assembling illustration	Assembly Outline dimensions
	

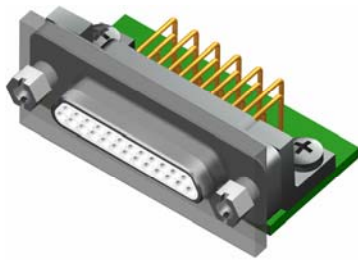
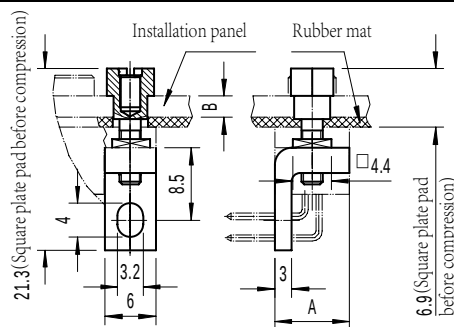
Fixed end Locking devices	Applicable Free end Locking devices	A	B	Remark
P3 type (metric thread)	L, L1, L3 type	13	M2.5-6H	9~37 contacts
		14.6		51~66 contacts
P6 type (inch thread)	L2	13	0.099-48UNC-2A	9~37 contacts
		14.6		51~66 contacts

● P4、P13 type Locking devices

P4 type locking devices Only for R23-×TKW/ZJW/TKW I /ZJW I Right angle PCB Series Product back panel edge mounting type, mounting panel thickness 2.5mm.

P13 type locking devices Only for R23-×TKW/ZJW/TKW I /ZJW I Right angle PCB Series Product back panel edge mounting type, mounting panel thickness 2mm.

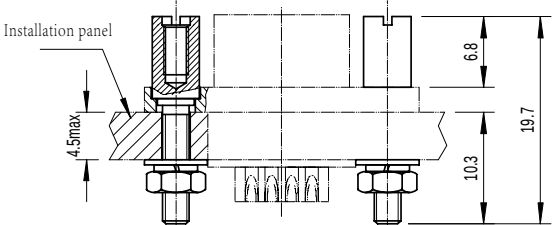
P4、P13 type locking devices with studded nut bracket which has □4.4 square mounting shoulder and square flange rubber washers.

Assembling illustration	Assembly Outline dimensions
	

Fixed end Locking devices	Applicable Free end Locking devices	A	B	Remark
P4 type	L, L1, L3 type	13	2.5	9~37 contacts
P13 type	L, L1, L3 type	14.6	2	51~66 contacts

- P8 type Locking devices

P8 type locking devices mainly used for Front panel mounting, mounting panel thickness $\leq 4.5\text{mm}$

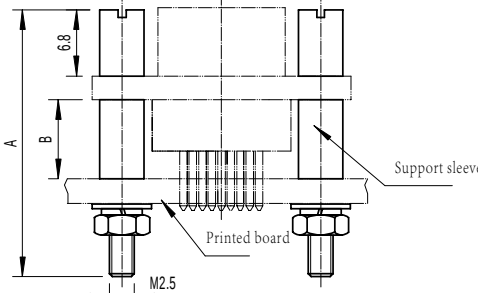
Assembling illustration	Assembly Outline dimensions
	

Fixed end Locking devices	Applicable Free end Locking devices
P8 type	L, L1, L3 type

- P9, P11 type Locking devices

P9 type: locking devices Applicable for Straight PCB N Series Product, PCB thickness $\leq 2.5\text{mm}$; with 8mm supporting sleeve without mounting panel.

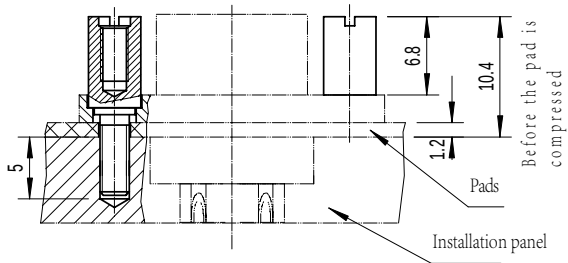
P11 type: locking devices Applicable for Straight PCB N Series Product, PCB thickness 2.5~3.5mm; with 7.2mm supporting sleeve without mounting panel.

Assembling illustration	Assembly Outline dimensions
	

Fixed end Locking devices	Applicable Free end Locking devices	A	B
P9 type	L, L1, L3 type	27	8
P11 type	L, L1, L3 type	24	7.2

- P12 type Locking devices

P12 type locking devices mainly used for Front panel mounting, with interface sealing function and thread depth $\geq 5\text{mm}$

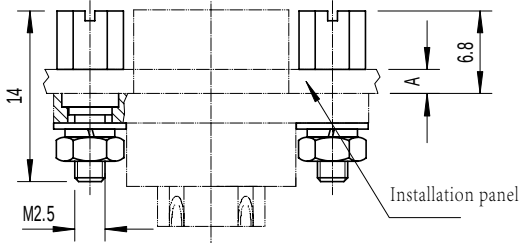
Assembling illustration	Assembly Outline dimensions
	

Fixed end Locking devices	Applicable Free end Locking devices
P12 type	L, L1, L3 type

- P14, P16 type Locking devices

P14 type locking devices Applicable for crimp and soldering Series Product Back panel mounting, mounting thickness 2~2.5mm

P16 type locking devices Applicable for crimp and soldering Series Product Back panel mounting, mounting thickness 1~1.5mm

Assembling illustration	Assembly Outline dimensions
	

Fixed end Locking devices	Applicable Free end Locking devices	A
P14 type	L, L1, L3 type	2~2.5
P16 type	L, L1, L3 type	1~1.5

R23 Series Accessories

Product brief introduction

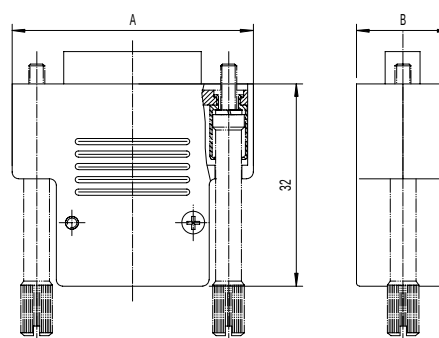
- Accessories types: D, D1 and D2 end caps
- D is two-piece configuration with cable clamp built-in. Applicable for general crimping and soldering series Product;
- D1 is two-piece configuration without cable clamp built-in. Applicable for general crimping series Product ;
- D2 is two-piece configuration with cable clamp built-in. Applicable for -A1 type crimping and soldering series Product

■ D Accessories Product Outline dimensions

Before assembly

After assembly

Outline dimensions



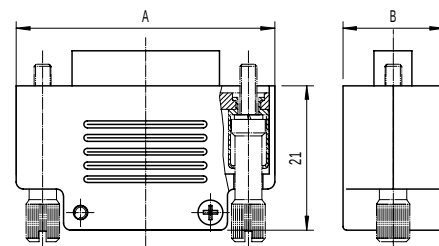
Applicable product	A	B	Applicable product	A	B
R23-9	27.8	15	R23-31	49.6	15
R23-15	33.3	15	R23-37	55.3	15
R23-21	38.9	15	R23-51	53.8	16.6
R23-25	43.8	15	R23-66	63.3	16.6

■ D1 Accessories Product Outline dimensions

Before assembly

After assembly

Outline dimensions



Applicable product	A	B	Applicable product	A	B
R23-9	27.8	15	R23-31	49.6	15
R23-15	33.3	15	R23-37	55.3	15

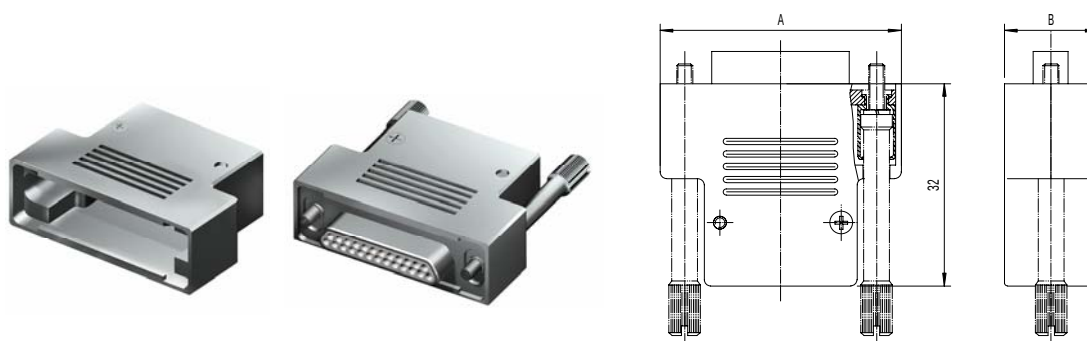
R23-21	38.9	15	R23-51	53.8	16.6
R23-25	43.8	15	R23-66	63.3	16.6

■ D2 Accessories Product Outline dimensions

Before assembly

After assembly

Outline dimensions

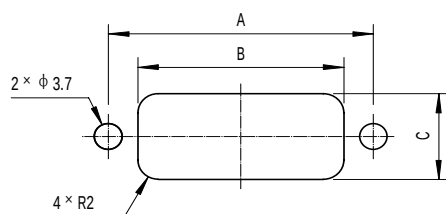


Applicable product	A	B	Applicable product	A	B
R23-9	27.8	13	R23-31	49.6	13
R23-15	33.3	13	R23-37	55.3	13
R23-21	38.9	13	R23-51	55.8	14.6
R23-25	43.8	13	R23-66	63.3	14.6

R23 Series product mounting cutout dimensions ● R23

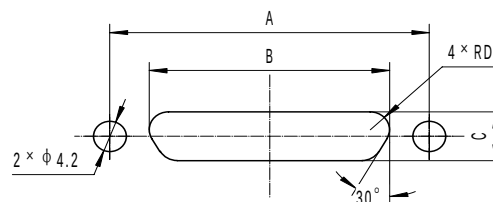
Series mounting panle cutout dimensions

Front panel mounting



P/N	A	B	C
R23-9	20.1	14.4	9
R23-15	25.6	19.9	9
R23-21	31.3	25.6	9
R23-25	36	30.1	9
R23-31	41.8	35.9	9
R23-37	47.5	41.6	9
R23-51	46	40.1	10.9
R23-66	55.5	49.6	10.9

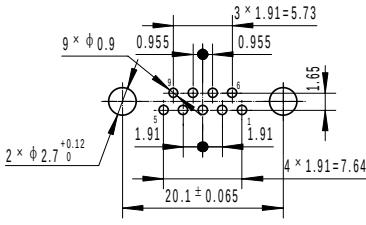
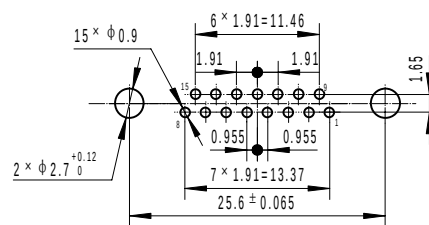
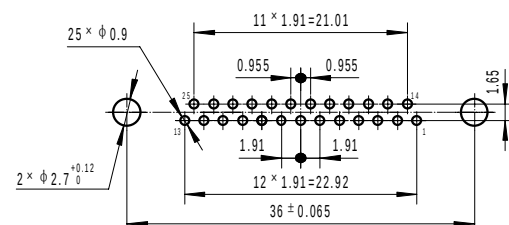
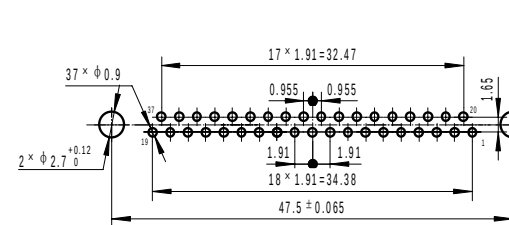
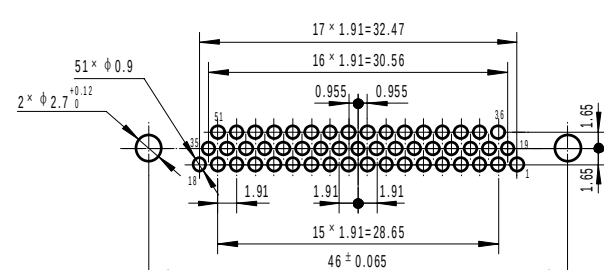
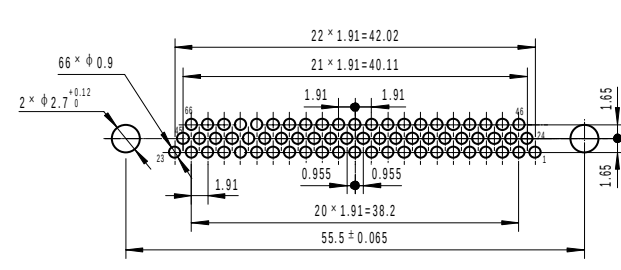
Back panel mounting



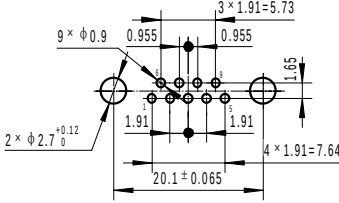
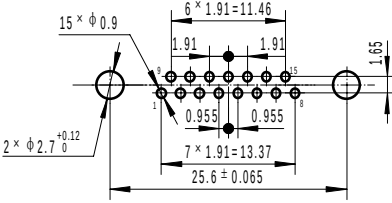
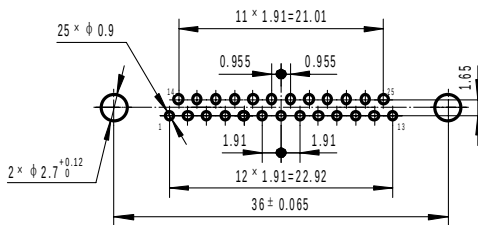
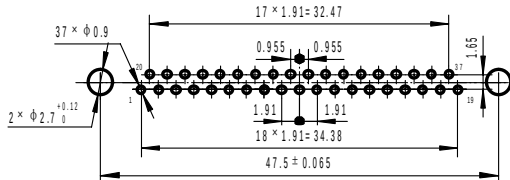
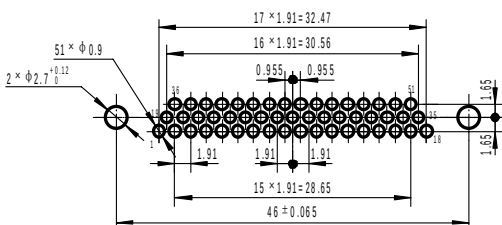
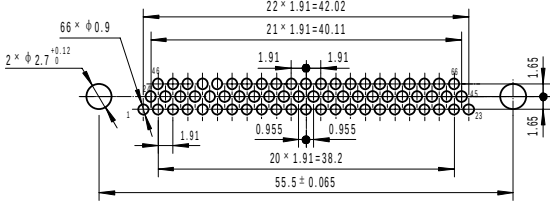
P/N	A	B	C	D
R23-9	20.1	13.3	7	2.7
R23-15	25.6	18.8	7	2.7
R23-21	31.3	24.5	7	2.7
R23-25	36	30.2	7.9	3.1
R23-31	41.8	35	7.9	3.1
R23-37	47.5	40.7	7.9	3.1
R23-51	46	39.2	9.6	3.1
R23-66	55.5	48.7	9.6	3.1

R23 Series PCB cutout dimensions R23

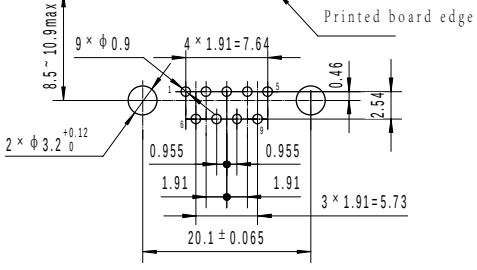
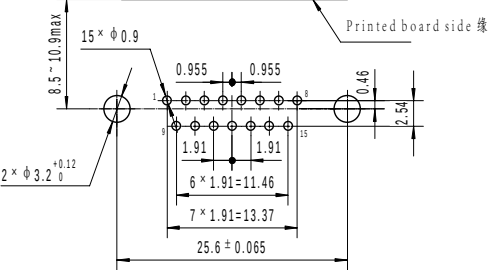
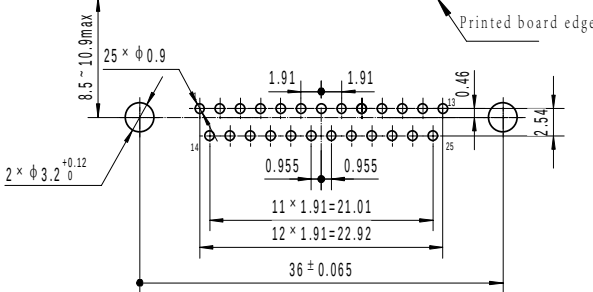
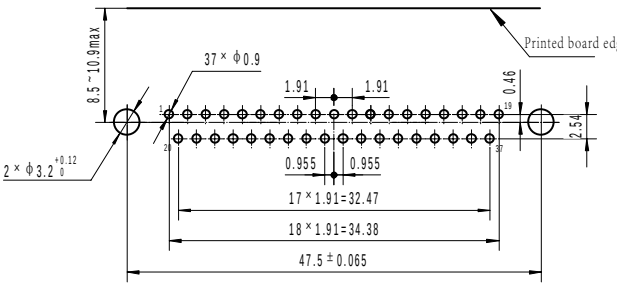
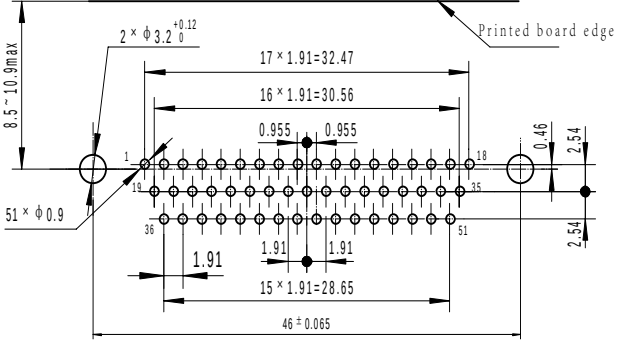
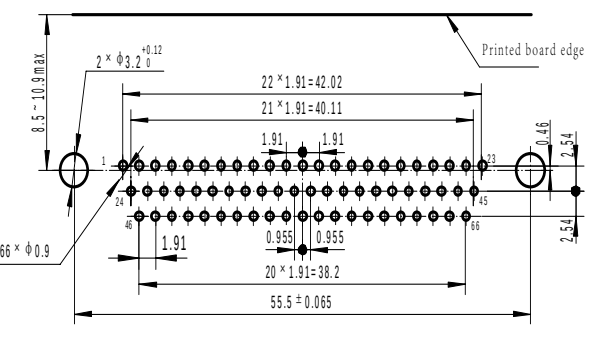
Straight PCB N Series plug PCB cutout dimensions

R23-9TKN	R23-15TKN
	
R23-25TKN	R23-37TKN
	
R23-51TKN	R23-66TKN
	

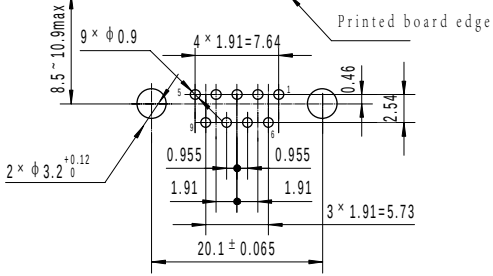
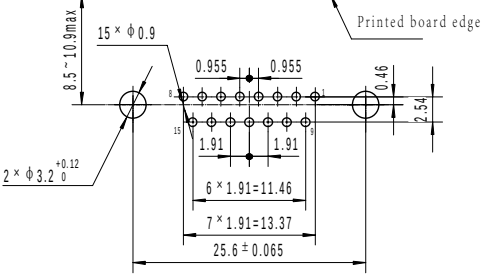
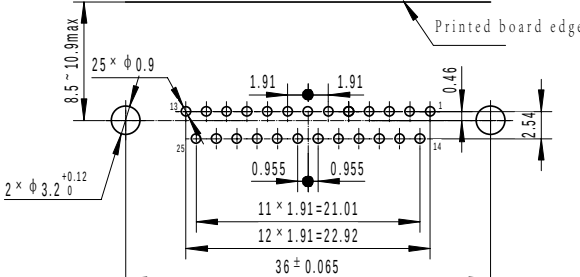
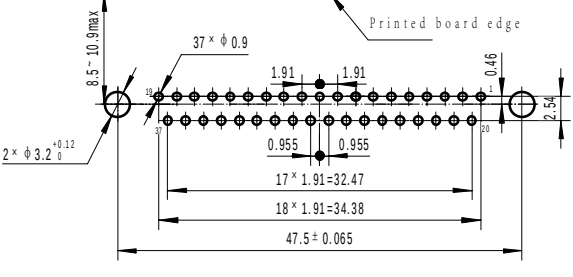
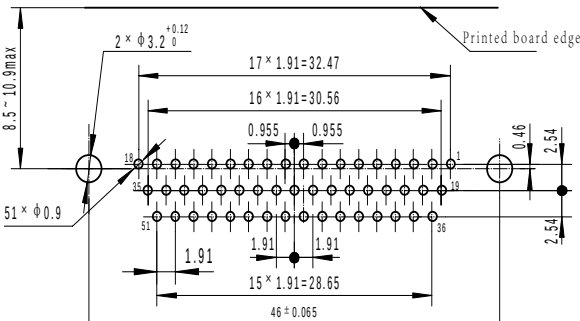
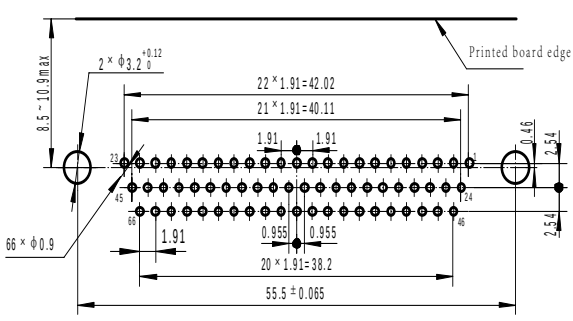
R23 Straight PCB N Series receptacle PCB cutout dimensions

R23-9ZJN	R23-15ZJN
	
R23-25ZJN	R23-37ZJN
	
R23-51ZJN	R23-66ZJN
	

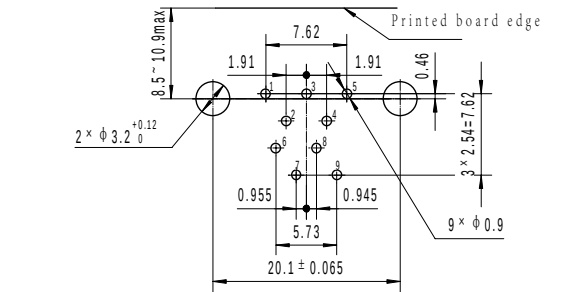
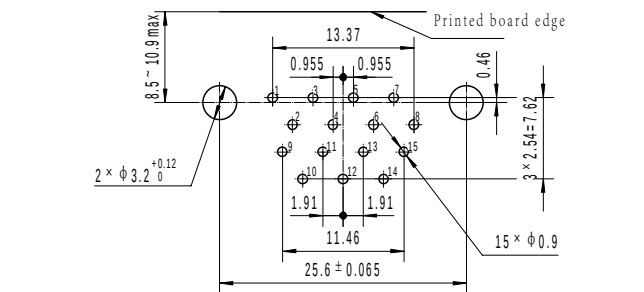
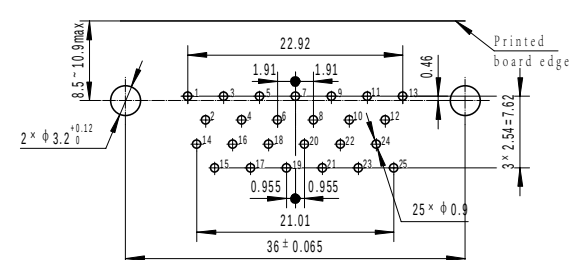
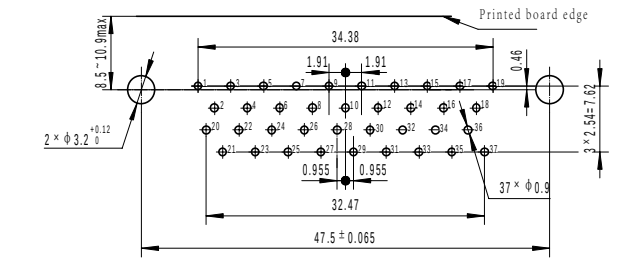
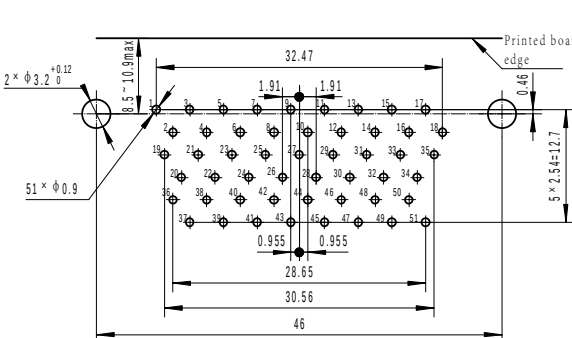
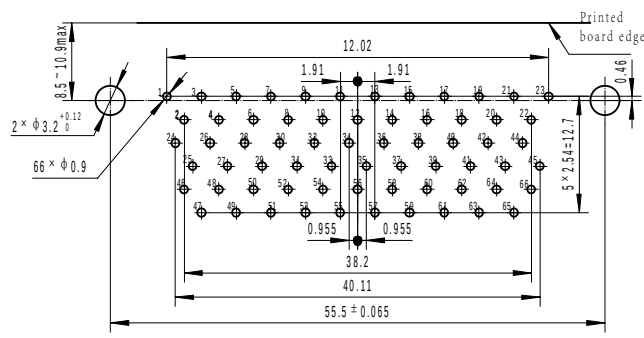
R23 Right angle PCB W Series plug PCB cutout dimensions

R23-9TKW、R23-9TKW-A 	R23-15TKW、R23-15TKW-A 
R23-25TKW、R23-25TKW-A 	R23-37TKW、R23-37TKW-A 
R23-51TKW、R23-51TKW-A 	R23-66TKW、R23-66TKW-A 

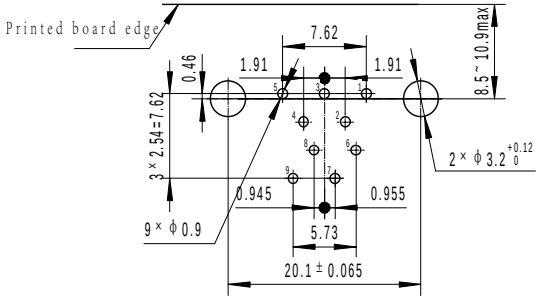
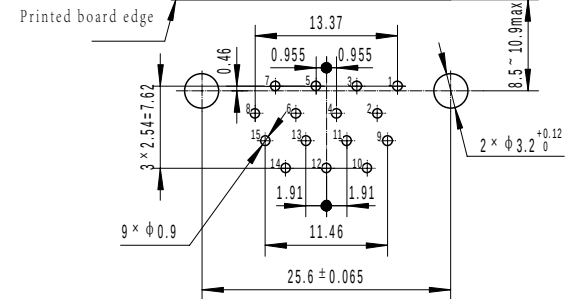
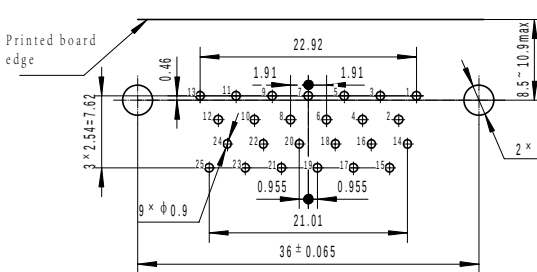
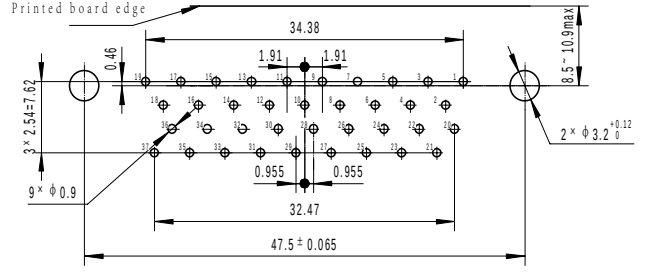
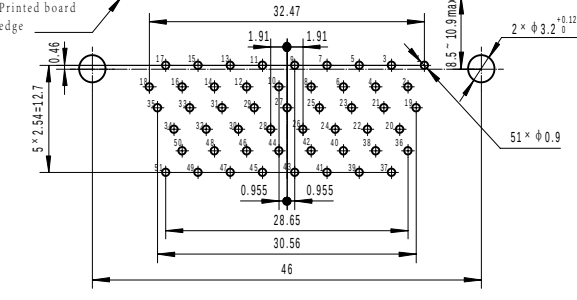
R23 Right angle PCB W Series receptacle PCB cutout dimensions

R23-9ZJW、R23-9ZJW-A 	R23-15ZJW、R23-15ZJW-A 
R23-25ZJW、R23-25ZJW-A 	R23-37ZJW、R23-37ZJW-A 
R23-51ZJW、R23-51ZJW-A 	R23-66ZJW、R23-66ZJW-A 

R23 Right angle PCB WI Series plug PCB cutout dimensions

R23-9TKWI, R23-9TKWI-A 	R23-15TKWI, R23-15TKWI-A 
R23-25TKWI, R23-25TKWI-A 	R23-37TKWI, R23-37TKWI-A 
R23-51TKWI, R23-51TKWI-A 	R23-66TKWI, R23-66TKWI-A 

R23 Right angle PCB WI Series receptacle PCB cutout dimensions

R23-9ZJWI, R23-9ZJWI-A 	R23-15ZJWI, R23-15ZJWI-A 
R23-25ZJWI, R23-25ZJWI-A 	R23-37ZJWI, R23-37ZJWI-A 
R23-51ZJWI, R23-51ZJWI-A 	R23-66ZJWI, R23-66ZJWI-A 