RENHOTEC

TECHNICAL SELECTION CATALOG

J30J Mixed Current Connector Series

Hybrid pinouts, ordering codes, outline dimensions and recommended PCB layouts for RFQ preparation — supported by engineering drawings and dimension registers.

02P02 – 39P02
10 HYBRID LAYOUTS

3 A + 20 A
DUAL CURRENT RATING

Metal Shell
SHELL CONSTRUCTION

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J30J Mixed Current Connector (Combo Micro-D)

One connector for both power transmission and low-current control, in the same metal shell, mounting envelope and accessory system as the standard J30J series.

01 Dual Current Ratings

3 A signal and up to 20 A power contacts share one metal shell.

02 Asymmetric Hybrid Layout

Alternating hole sizes — 10 mixed layouts plus 9 pure power versions of 2 to 10 pins.

03 Wider Wire Range

Signal contacts take 0.1–0.15 mm² wire; power contacts 2.0 or 3.0 mm².



Hybrid contact layout in a metal shell

Technical Performance

Rated Current — Signal contacts	3 A	Rated Current — Power contacts	up to 20 A
Operating Temperature	−55 °C to +125 °C	Dielectric Withstanding Voltage	800 V (room temp.)
Contact Resistance	≤ 10 mΩ	Insulation Resistance — Standard	≥ 5000 MΩ
Insulation Resistance (Damp Heat)	≥ 100 MΩ	Mechanical Endurance	500 cycles
Vibration	10–2000 Hz, 196 m/s²	Shock	735 m/s²
Random Vibration	0.4 G²/Hz, 23.1 G rms	Relative Humidity	98 % at 40 °C
Salt Spray	48 h	Shell Material	Metal
Applicable Wire — Signal	0.1 – 0.15 mm²	Applicable Wire — Power	2.0 / 3.0 mm²
Reference Standard	Q/21EJ2923		

Part Number Structure

A J30J part number is built from ten blocks. Blocks 1 to 7 define the electrical and mechanical build, blocks 8 to 10 the shell variant, rear accessory and wire assembly.

J30J	27P02	J	S	000	S0	000	0	A3	(AFR2/0.12…)
1	2	3	4	5	6	7	8	9	10

1 Series Designation

J30J — mixed current rectangular electrical connector family.

2 Contact Arrangement

27P02 style code. The leading figure is the total contact count and the trailing pair the number of 20 A power contacts. Codes with matching figures are power-only; the remaining layouts carry both 3 A signal and 20 A power contacts.

Code	Contact Mix	Code	Contact Mix
02P02	2 × 20 A	**09P02**	7 × 3 A + 2 × 20 A
03P03	3 × 20 A	**11P04**	7 × 3 A + 4 × 20 A
04P04	4 × 20 A	**12P05**	7 × 3 A + 5 × 20 A
05P05	5 × 20 A	**13P06**	7 × 3 A + 6 × 20 A
06P06	6 × 20 A	**16P03**	13 × 3 A + 3 × 20 A
07P07	7 × 20 A	**21P02**	19 × 3 A + 2 × 20 A
08P08	8 × 20 A	**23P06**	17 × 3 A + 6 × 20 A
09P09	9 × 20 A	**25P02**	23 × 3 A + 2 × 20 A
10P10	10 × 20 A	**27P02**	25 × 3 A + 2 × 20 A
		39P02	37 × 3 A + 2 × 20 A

3 Signal Contact Type

0 — no signal contact
J — signal pin
K — signal socket

4 Power Contact Type

S — power socket (plug carries power sockets)
P — power pin (receptacle carries power pins)

> Blocks 3 and 4 combine in four ways only: **0S**, **0P**, **JS**, **KP**.

5 Signal Contact Termination

000 — no signal contact
C00 — crimp
S00 — solder
N0x — straight PCB, x = board thickness
W0x — right-angle PCB, x = board thickness

> Board thickness codes — **N01 / W01** 2 mm · **N02 / W02** 3 mm · **N03 / W03** 4 mm · **N04 / W04** 5 mm.

6 Power Contact Termination

C0 — crimp
S0 — solder
Nx — straight PCB
Wx — right-angle PCB

> Thickness codes **N1 / W1** 2 mm · **N2 / W2** 3 mm · **N3 / W3** 4 mm · **N4 / W4** 5 mm, and the x code must match block 5. Blocks 5 and 6 terminate in the same style; on special request solder and crimp may be mixed, e.g. **S00C0** or **C00S0**.

Part Number Structure

Blocks 7 to 9 cover the locking system, the shell variant and the rear accessory. Locking hardware separates free-end and fixed-end parts by panel or PCB thickness.

7 Locking Hardware Type

000 — no locking hardware

K00 — free-end kit, hand-tightened

L00 — free-end locking kit

P — fixed-end locking kit (see below)

Code	Locking Hardware Type	Code	Locking Hardware Type
P00	Front panel mount, panel ≤ 2.5 mm	**P09**	Rear panel mount, panel 2 mm
P03	Straight PCB mount, board ≤ 2.5 mm	**P10**	Right-angle PCB, 2 mm, rear mount
P04	Right-angle PCB mount	**P11**	Front panel mount, M3 threaded insert
P05	Rear panel mount, panel 0.6 mm	**P12**	Front panel mount, panel ≤ 5.5 mm
P06	Rear panel mount, panel 1.4 mm	**P13**	Straight PCB mount, board ≤ 4.5 mm
P07	Rear panel mount, panel 2.2 mm	**P111**	Straight PCB mount, board ≤ 3.5 mm
P08	Rear panel mount, panel 3.4 mm	**P54**	Straight PCB mount, board ≤ 5.5 mm

8 Shell Variant

0 — standard, nickel-plated aluminium alloy

1 — stainless steel

M1 — marine-grade stainless steel

9 Rear Accessory

(not stated) — no rear accessory

A3 — two-piece cable clamp (crimp / solder only)

10 Wire Information

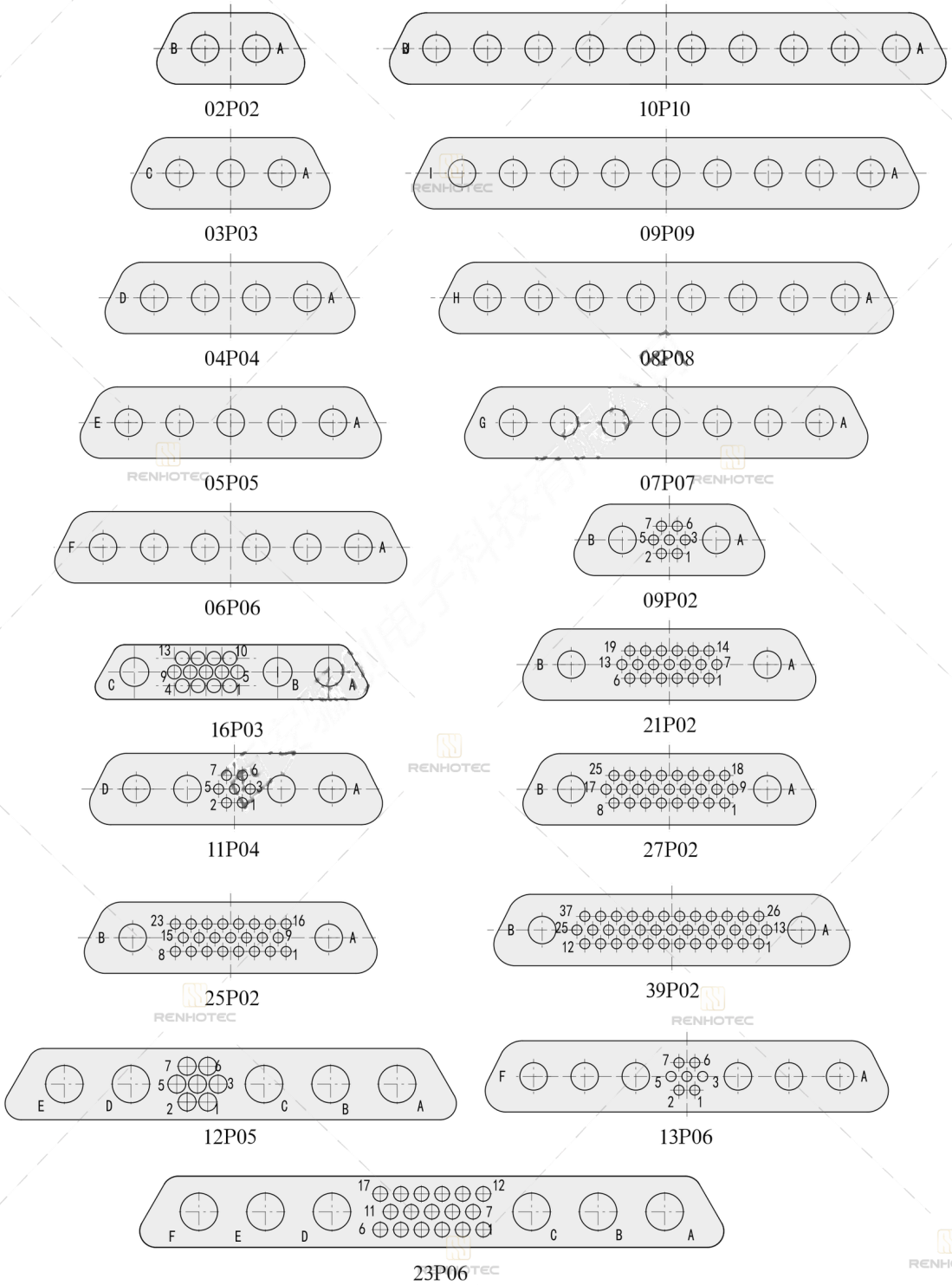
Appears in brackets after the part number, crimp and solder versions only. It reads **(wire type · gauge · colour · length · sleeve)** in two forms.

> **a. Mixed build — e.g. (AFR2/0.12 white L500PF):** wire type **AFR**; power contact gauge **2 mm²** (or 3 mm²), signal contact gauge **0.12 mm²** (or 0.15 mm²); colour **white**, identical on both sides; length **500 mm**, custom on request; **P** = RF shielding braid, **F** = olive-green polyamide sleeve, omitted when not fitted.

> **b. Power-only build — e.g. (AFR2 white L500PF):** same structure with the signal gauge omitted because no signal contacts are fitted. Soldered power contacts accept 1–3 mm², crimped ones only 2 or 3 mm².

Contact Arrangement Drawings

Mating face of the plug. Small circles are 3 A signal contacts, large circles are the 20 A power contacts; letters mark the polarising and mounting positions.

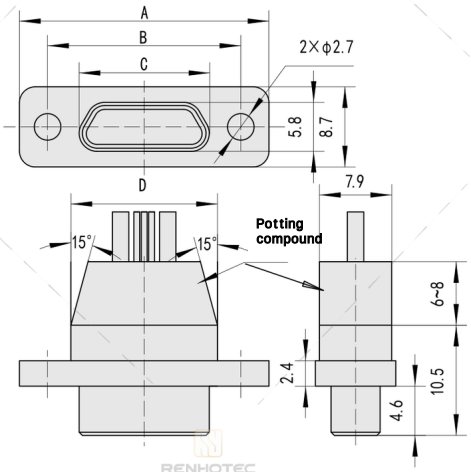


Outline Dimensions — Crimp Type

Plug and receptacle outline dimensions for crimp termination. All dimensions in millimetres.

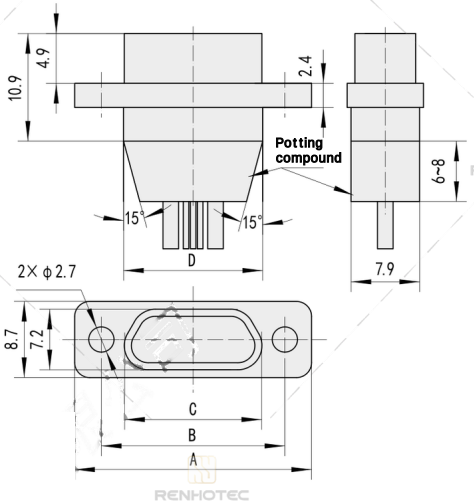
J30J□□P□□ □S□□□C0 000 0

Plug



J30J□□P□□ □P□□□C0 000 0

Receptacle



Dimension Register — Crimp Type

Plug Part Number	Dimensions (mm)				Receptacle Part Number	Dimensions (mm)			
	A	B	C	D		A	B	C	D
J30J02P020S000C00000	23.2	18.8	12.9	14.5	J30J02P020P000C00000	23.2	18.8	14.4	14.5
J30J03P030S000C00000	27.3	22.9	17	18.6	J30J03P030P000C00000	27.3	22.9	18.5	18.6
J30J04P040S000C00000	31.4	27	21.1	22.7	J30J04P040P000C00000	31.4	27	22.6	22.7
J30J05P050S000C00000	36.3	30.9	25	26.6	J30J05P050P000C00000	36.3	30.9	26.5	26.6
J30J06P060S000C00000	39.6	35.2	29.3	30.9	J30J06P060P000C00000	39.6	35.2	30.8	30.9
J30J07P070S000C00000	43.7	39.3	33.4	35	J30J07P070P000C00000	43.7	39.3	34.9	35
J30J08P080S000C00000	47.8	43.4	37.5	39.1	J30J08P080P000C00000	47.8	43.4	39	39.1
J30J09P090S000C00000	51.9	47.5	41.6	43.2	J30J09P090P000C00000	51.9	47.5	43.1	43.2
J30J10P100S000C00000	56	51.6	45.7	47.3	J30J10P100P000C00000	56	51.6	47.2	47.3
J30J09P02JSC00C00000	29.7	24.5	18.6	20.2	J30J09P02KPC00C00000	29.7	24.5	20.1	20.2
J30J11P04JSC00C00000	36.3	30.9	25	26.6	J30J11P04KPC00C00000	36.3	30.9	26.5	26.6
J30J12P05JSC00C00000	39.6	35.2	29.3	30.9	J30J12P05KPC00C00000	39.6	35.2	30.8	30.9
J30J13P06JSC00C00000	43.7	39.3	33.4	35	J30J13P06KPC00C00000	43.7	39.3	34.9	35
J30J16P03JSC00C00000	34.8	29.3	23.4	25	J30J16P03KPC00C00000	34.8	29.3	24.9	25
J30J21P02JSC00C00000	36.3	30.9	25	26.6	J30J21P02KPC00C00000	36.3	30.9	26.5	26.6
J30J23P06JSC00C00000	47.8	43.4	37.5	39.1	J30J23P06KPC00C00000	47.8	43.4	39	39.1
J30J25P02JSC00C00000	36.3	30.9	25	26.6	J30J25P02KPC00C00000	36.3	30.9	26.5	26.6
J30J27P02JSC00C00000	36.3	30.9	25	26.6	J30J27P02KPC00C00000	36.3	30.9	26.5	26.6
J30J39P02JSC00C00000	42.8	37.3	31.4	33	J30J39P02KPC00C00000	42.8	37.3	32.9	33

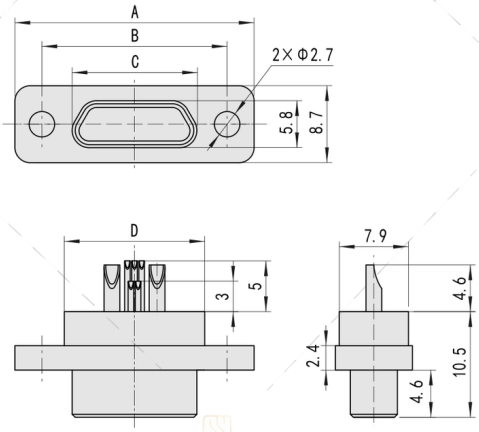
Note: “S” denotes a socket (receptacle) contact and “P” a pin (plug) contact in the fourth block of the part number. Dimension A is the overall width across the mounting flange.

Outline Dimensions — Solder Type

Plug and receptacle outline dimensions for solder-cup termination. All dimensions in millimetres.

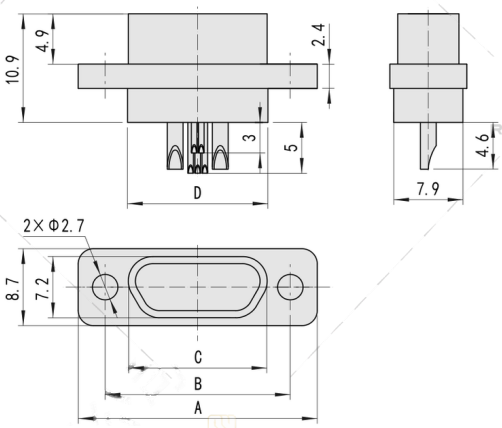
J30J□□P□□ □S□□□S0 000 0

Plug



J30J□□P□□ □P□□□S0 000 0

Receptacle



Dimension Register — Solder Type

Plug Part Number	Dimensions (mm)				Receptacle Part Number	Dimensions (mm)			
	A	B	C	D		A	B	C	D
J30J02P020S000S00000	23.2	18.8	12.9	14.5	J30J02P020P000S00000	23.2	18.8	14.4	14.5
J30J03P030S000S00000	27.3	22.9	17	18.6	J30J03P030P000S00000	27.3	22.9	18.5	18.6
J30J04P040S000S00000	31.4	27	21.1	22.7	J30J04P040P000S00000	31.4	27	22.6	22.7
J30J05P050S000S00000	36.3	30.9	25	26.6	J30J05P050P000S00000	36.3	30.9	26.5	26.6
J30J06P060S000S00000	39.6	35.2	29.3	30.9	J30J06P060P000S00000	39.6	35.2	30.8	30.9
J30J07P070S000S00000	43.7	39.3	33.4	35	J30J07P070P000S00000	43.7	39.3	34.9	35
J30J08P080S000S00000	47.8	43.4	37.5	39.1	J30J08P080P000S00000	47.8	43.4	39	39.1
J30J09P090S000S00000	51.9	47.5	41.6	43.2	J30J09P090P000S00000	51.9	47.5	43.1	43.2
J30J10P100S000S00000	56	51.6	45.7	47.3	J30J10P100P000S00000	56	51.6	47.2	47.3
J30J09P02JSS00S00000	29.7	24.5	18.6	20.2	J30J09P02KPS00S00000	29.7	24.5	20.1	20.2
J30J11P04JSS00S00000	36.3	30.9	25	26.6	J30J11P04KPS00S00000	36.3	30.9	26.5	26.6
J30J12P05JSS00S00000	39.6	35.2	29.3	30.9	J30J12P05KPS00S00000	39.6	35.2	30.8	30.9
J30J13P06JSS00S00000	43.7	39.3	33.4	35	J30J13P06KPS00S00000	43.7	39.3	34.9	35
J30J16P03JSS00S00000	34.8	29.3	23.4	25	J30J16P03KPS00S00000	34.8	29.3	24.9	25
J30J21P02JSS00S00000	36.3	30.9	25	26.6	J30J21P02KPS00S00000	36.3	30.9	26.5	26.6
J30J23P06JSS00S00000	47.8	43.4	37.5	39.1	J30J23P06KPS00S00000	47.8	43.4	39	39.1
J30J25P02JSS00S00000	36.3	30.9	25	26.6	J30J25P02KPS00S00000	36.3	30.9	26.5	26.6
J30J27P02JSS00S00000	36.3	30.9	25	26.6	J30J27P02KPS00S00000	36.3	30.9	26.5	26.6
J30J39P02JSS00S00000	42.8	37.3	31.4	33	J30J39P02KPS00S00000	42.8	37.3	32.9	33

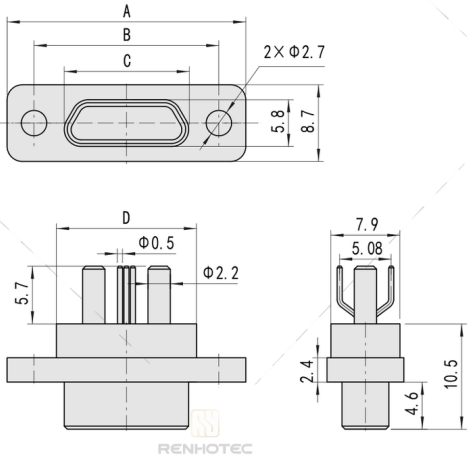
Note: “S” denotes a socket (receptacle) contact and “P” a pin (plug) contact in the fourth block of the part number. Dimension A is the overall width across the mounting flange.

Outline Dimensions — PCB Straight, 2 mm Board

Straight PCB termination, code **N1**, for 2 mm boards. All dimensions in millimetres.

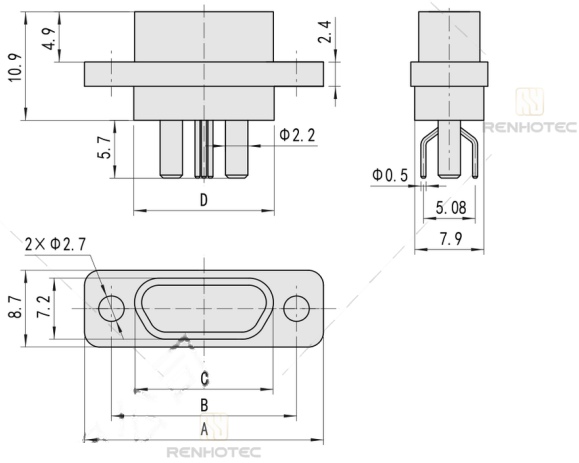
J30J□□P□□ □S□□□N1 000 0

Plug



J30J□□P□□ □P□□□N1 000 0

Receptacle



Dimension Register — PCB Straight, 2 mm Board

Plug Part Number	Dimensions (mm)				Receptacle Part Number	Dimensions (mm)			
	A	B	C	D		A	B	C	D
J30J02P020S000N10000	23.2	18.8	12.9	14.5	J30J02P020P000N10000	23.2	18.8	14.4	14.5
J30J03P030S000N10000	27.3	22.9	17	18.6	J30J03P030P000N10000	27.3	22.9	18.5	18.6
J30J04P040S000N10000	31.4	27	21.1	22.7	J30J04P040P000N10000	31.4	27	22.6	22.7
J30J05P050S000N10000	36.3	30.9	25	26.6	J30J05P050P000N10000	36.3	30.9	26.5	26.6
J30J06P060S000N10000	39.6	35.2	29.3	30.9	J30J06P060P000N10000	39.6	35.2	30.8	30.9
J30J07P070S000N10000	43.7	39.3	33.4	35	J30J07P070P000N10000	43.7	39.3	34.9	35
J30J08P080S000N10000	47.8	43.4	37.5	39.1	J30J08P080P000N10000	47.8	43.4	39	39.1
J30J09P090S000N10000	51.9	47.5	41.6	43.2	J30J09P090P000N10000	51.9	47.5	43.1	43.2
J30J10P100S000N10000	56	51.6	45.7	47.3	J30J10P100P000N10000	56	51.6	47.2	47.3
J30J09P02JSN01N10000	29.7	24.5	18.6	20.2	J30J09P02KPN01N10000	29.7	24.5	20.1	20.2
J30J11P04JSN01N10000	36.3	30.9	25	26.6	J30J11P04KPN01N10000	36.3	30.9	26.5	26.6
J30J12P05JSN01N10000	39.6	35.2	29.3	30.9	J30J12P05KPN01N10000	39.6	35.2	30.8	30.9
J30J13P06JSN01N10000	43.7	39.3	33.4	35	J30J13P06KPN01N10000	43.7	39.3	34.9	35
J30J16P03JSN01N10000	34.8	29.3	23.4	25	J30J16P03KPN01N10000	34.8	29.3	24.9	25
J30J21P02JSN01N10000	36.3	30.9	25	26.6	J30J21P02KPN01N10000	36.3	30.9	26.5	26.6
J30J23P06JSN01N10000	47.8	43.4	37.5	39.1	J30J23P06KPN01N10000	47.8	43.4	39	39.1
J30J25P02JSN01N10000	36.3	30.9	25	26.6	J30J25P02KPN01N10000	36.3	30.9	26.5	26.6
J30J27P02JSN01N10000	36.3	30.9	25	26.6	J30J27P02KPN01N10000	36.3	30.9	26.5	26.6
J30J39P02JSN01N10000	42.8	37.3	31.4	33	J30J39P02KPN01N10000	42.8	37.3	32.9	33

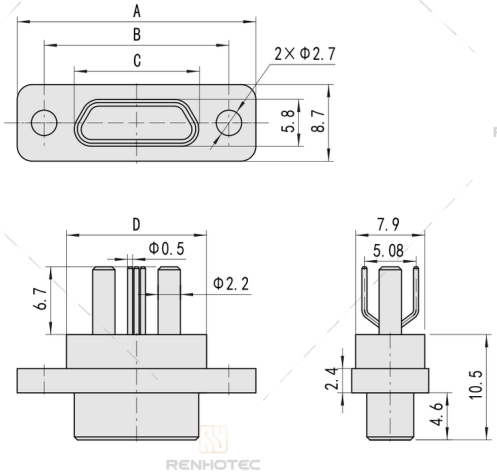
Note: the trailing figure of the part number is the board thickness code — **N1** 2 mm. Dimension A is the overall width across the mounting flange.

Outline Dimensions — PCB Straight, 3 mm Board

Straight PCB termination, code **N2**, for 3 mm boards. All dimensions in millimetres.

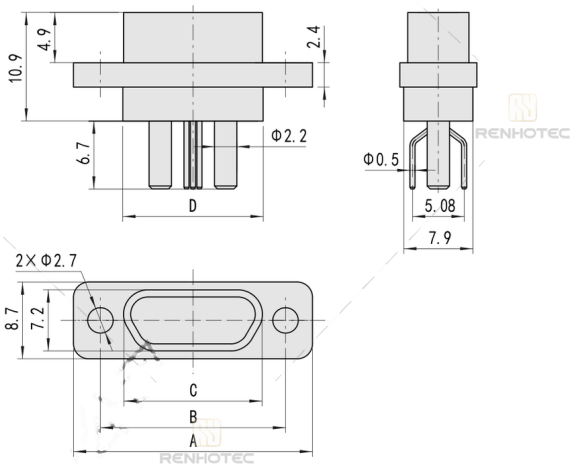
J30J□□P□□ □S□□□N2 000 0

Plug



J30J□□P□□ □P□□□N2 000 0

Receptacle



Dimension Register — PCB Straight, 3 mm Board

Plug Part Number	Dimensions (mm)				Receptacle Part Number	Dimensions (mm)			
	A	B	C	D		A	B	C	D
J30J02P020S000N20000	23.2	18.8	12.9	14.5	J30J02P020P000N20000	23.2	18.8	14.4	14.5
J30J03P030S000N20000	27.3	22.9	17	18.6	J30J03P030P000N20000	27.3	22.9	18.5	18.6
J30J04P040S000N20000	31.4	27	21.1	22.7	J30J04P040P000N20000	31.4	27	22.6	22.7
J30J05P050S000N20000	36.3	30.9	25	26.6	J30J05P050P000N20000	36.3	30.9	26.5	26.6
J30J06P060S000N20000	39.6	35.2	29.3	30.9	J30J06P060P000N20000	39.6	35.2	30.8	30.9
J30J07P070S000N20000	43.7	39.3	33.4	35	J30J07P070P000N20000	43.7	39.3	34.9	35
J30J08P080S000N20000	47.8	43.4	37.5	39.1	J30J08P080P000N20000	47.8	43.4	39	39.1
J30J09P090S000N20000	51.9	47.5	41.6	43.2	J30J09P090P000N20000	51.9	47.5	43.1	43.2
J30J10P100S000N20000	56	51.6	45.7	47.3	J30J10P100P000N20000	56	51.6	47.2	47.3
J30J09P02JSN02N20000	29.7	24.5	18.6	20.2	J30J09P02KPN02N20000	29.7	24.5	20.1	20.2
J30J11P04JSN02N20000	36.3	30.9	25	26.6	J30J11P04KPN02N20000	36.3	30.9	26.5	26.6
J30J12P05JSN02N20000	39.6	35.2	29.3	30.9	J30J12P05KPN02N20000	39.6	35.2	30.8	30.9
J30J13P06JSN02N20000	43.7	39.3	33.4	35	J30J13P06KPN02N20000	43.7	39.3	34.9	35
J30J16P03JSN02N20000	34.8	29.3	23.4	25	J30J16P03KPN02N20000	34.8	29.3	24.9	25
J30J21P02JSN02N20000	36.3	30.9	25	26.6	J30J21P02KPN02N20000	36.3	30.9	26.5	26.6
J30J23P06JSN02N20000	47.8	43.4	37.5	39.1	J30J23P06KPN02N20000	47.8	43.4	39	39.1
J30J25P02JSN02N20000	36.3	30.9	25	26.6	J30J25P02KPN02N20000	36.3	30.9	26.5	26.6
J30J27P02JSN02N20000	36.3	30.9	25	26.6	J30J27P02KPN02N20000	36.3	30.9	26.5	26.6
J30J39P02JSN02N20000	42.8	37.3	31.4	33	J30J39P02KPN02N20000	42.8	37.3	32.9	33

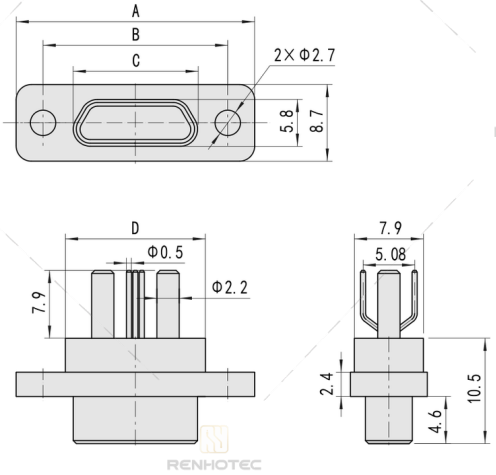
Note: the trailing figure of the part number is the board thickness code — **N2** 3 mm. Dimension A is the overall width across the mounting flange.

Outline Dimensions — PCB Straight, 4 mm Board

Straight PCB termination, code **N3**, for 4 mm boards. All dimensions in millimetres.

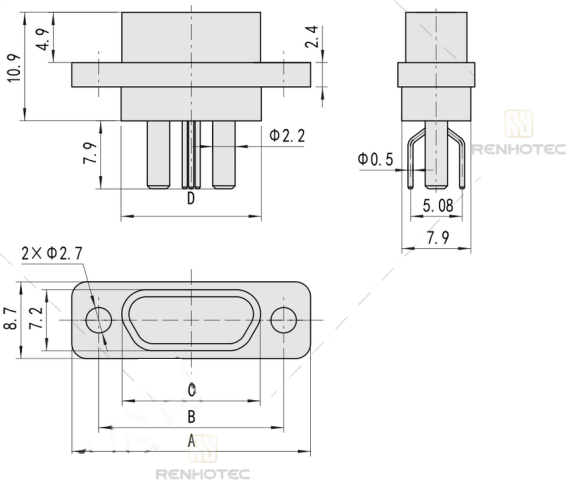
J30J□□P□□ □S□□□N3 000 0

Plug



J30J□□P□□ □P□□□N3 000 0

Receptacle



Dimension Register — PCB Straight, 4 mm Board

Plug Part Number	Dimensions (mm)				Receptacle Part Number	Dimensions (mm)			
	A	B	C	D		A	B	C	D
J30J02P020S000N30000	23.2	18.8	12.9	14.5	J30J02P020P000N30000	23.2	18.8	14.4	14.5
J30J03P030S000N30000	27.3	22.9	17	18.6	J30J03P030P000N30000	27.3	22.9	18.5	18.6
J30J04P040S000N30000	31.4	27	21.1	22.7	J30J04P040P000N30000	31.4	27	22.6	22.7
J30J05P050S000N30000	36.3	30.9	25	26.6	J30J05P050P000N30000	36.3	30.9	26.5	26.6
J30J06P060S000N30000	39.6	35.2	29.3	30.9	J30J06P060P000N30000	39.6	35.2	30.8	30.9
J30J07P070S000N30000	43.7	39.3	33.4	35	J30J07P070P000N30000	43.7	39.3	34.9	35
J30J08P080S000N30000	47.8	43.4	37.5	39.1	J30J08P080P000N30000	47.8	43.4	39	39.1
J30J09P090S000N30000	51.9	47.5	41.6	43.2	J30J09P090P000N30000	51.9	47.5	43.1	43.2
J30J10P100S000N30000	56	51.6	45.7	47.3	J30J10P100P000N30000	56	51.6	47.2	47.3
J30J09P02JSN03N30000	29.7	24.5	18.6	20.2	J30J09P02KPN03N30000	29.7	24.5	20.1	20.2
J30J11P04JSN03N30000	36.3	30.9	25	26.6	J30J11P04KPN03N30000	36.3	30.9	26.5	26.6
J30J12P05JSN03N30000	39.6	35.2	29.3	30.9	J30J12P05KPN03N30000	39.6	35.2	30.8	30.9
J30J13P06JSN03N30000	43.7	39.3	33.4	35	J30J13P06KPN03N30000	43.7	39.3	34.9	35
J30J16P03JSN03N30000	34.8	29.3	23.4	25	J30J16P03KPN03N30000	34.8	29.3	24.9	25
J30J21P02JSN03N30000	36.3	30.9	25	26.6	J30J21P02KPN03N30000	36.3	30.9	26.5	26.6
J30J23P06JSN03N30000	47.8	43.4	37.5	39.1	J30J23P06KPN03N30000	47.8	43.4	39	39.1
J30J25P02JSN03N30000	36.3	30.9	25	26.6	J30J25P02KPN03N30000	36.3	30.9	26.5	26.6
J30J27P02JSN03N30000	36.3	30.9	25	26.6	J30J27P02KPN03N30000	36.3	30.9	26.5	26.6
J30J39P02JSN03N30000	42.8	37.3	31.4	33	J30J39P02KPN03N30000	42.8	37.3	32.9	33

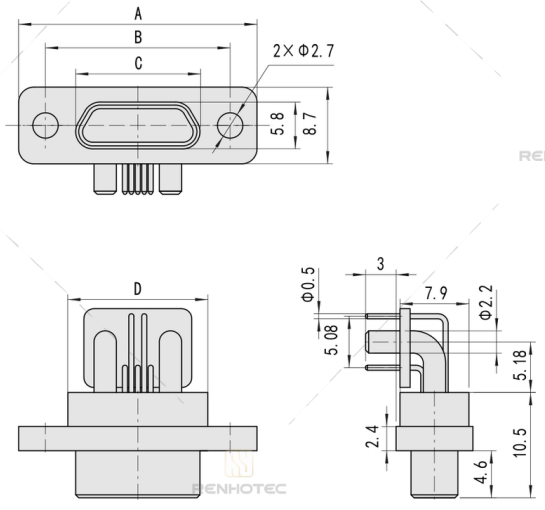
Note: the trailing figure of the part number is the board thickness code — **N3** 4 mm. Dimension A is the overall width across the mounting flange.

Outline Dimensions — PCB Right-angle, 2 mm Board

Right-angle PCB termination, code **W1**, for 2 mm boards. All dimensions in millimetres.

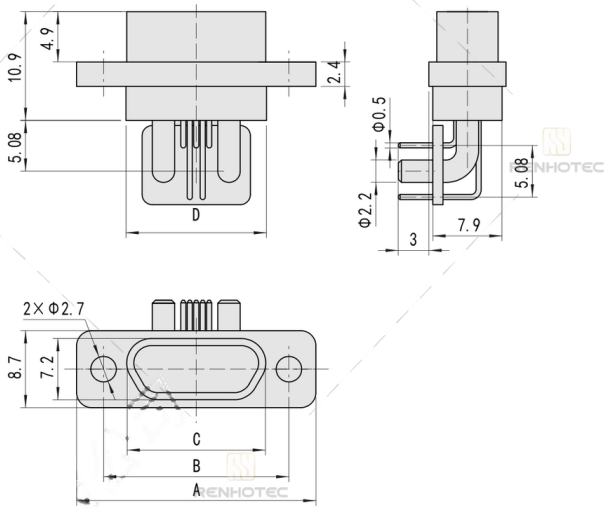
J30J□□P□□ □S□□□W1 000 0

Plug



J30J□□P□□ □P□□□W1 000 0

Receptacle



Dimension Register — PCB Right-angle, 2 mm Board

Plug Part Number	Dimensions (mm)				Receptacle Part Number	Dimensions (mm)			
	A	B	C	D		A	B	C	D
J30J02P020S000W10000	23.2	18.8	12.9	14.5	J30J02P020P000W10000	23.2	18.8	14.4	14.5
J30J03P030S000W10000	27.3	22.9	17	18.6	J30J03P030P000W10000	27.3	22.9	18.5	18.6
J30J04P040S000W10000	31.4	27	21.1	22.7	J30J04P040P000W10000	31.4	27	22.6	22.7
J30J05P050S000W10000	36.3	30.9	25	26.6	J30J05P050P000W10000	36.3	30.9	26.5	26.6
J30J06P060S000W10000	39.6	35.2	29.3	30.9	J30J06P060P000W10000	39.6	35.2	30.8	30.9
J30J07P070S000W10000	43.7	39.3	33.4	35	J30J07P070P000W10000	43.7	39.3	34.9	35
J30J08P080S000W10000	47.8	43.4	37.5	39.1	J30J08P080P000W10000	47.8	43.4	39	39.1
J30J09P090S000W10000	51.9	47.5	41.6	43.2	J30J09P090P000W10000	51.9	47.5	43.1	43.2
J30J10P100S000W10000	56	51.6	45.7	47.3	J30J10P100P000W10000	56	51.6	47.2	47.3
J30J09P02JSW01W10000	29.7	24.5	18.6	20.2	J30J09P02KPW01W10000	29.7	24.5	20.1	20.2
J30J11P04JSW01W10000	36.3	30.9	25	26.6	J30J11P04KPW01W10000	36.3	30.9	26.5	26.6
J30J12P05JSW01W10000	39.6	35.2	29.3	30.9	J30J12P05KPW01W10000	39.6	35.2	30.8	30.9
J30J13P06JSW01W10000	43.7	39.3	33.4	35	J30J13P06KPW01W10000	43.7	39.3	34.9	35
J30J16P03JSW01W10000	34.8	29.3	23.4	25	J30J16P03KPW01W10000	34.8	29.3	24.9	25
J30J21P02JSW01W10000	36.3	30.9	25	26.6	J30J21P02KPW01W10000	36.3	30.9	26.5	26.6
J30J23P06JSW01W10000	47.8	43.4	37.5	39.1	J30J23P06KPW01W10000	47.8	43.4	39	39.1
J30J25P02JSW01W10000	36.3	30.9	25	26.6	J30J25P02KPW01W10000	36.3	30.9	26.5	26.6
J30J27P02JSW01W10000	36.3	30.9	25	26.6	J30J27P02KPW01W10000	36.3	30.9	26.5	26.6
J30J39P02JSW01W10000	42.8	37.3	31.4	33	J30J39P02KPW01W10000	42.8	37.3	32.9	33

Note: the trailing figure of the part number is the board thickness code — **W1** 2 mm. Right-angle parts mate at 90° to the board plane.

Rear Accessory — A3 Cable Clamp

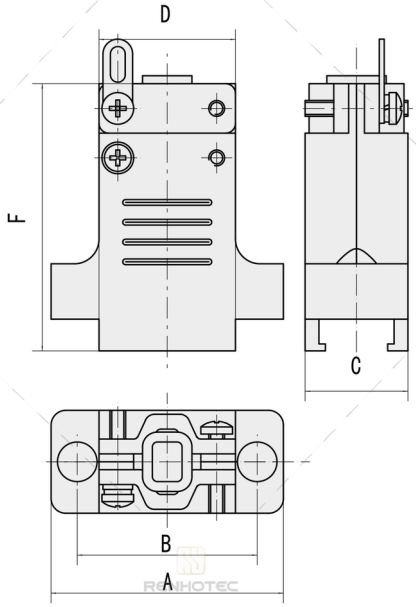
Assembly view: J30J-xxA3 fitted to the connector. Dimensions in millimetres.



J30J-xxA3



J30J-xxA3



Outline Dimensions — A3 Clamp

Part Number	A (mm)	B (mm)	C (mm)	D (mm)	F (mm)
J30J02P02A3	23.2	18.8	11.2	14.5	30
J30J03P03A3	27.4	22.9	11.2	18.6	30
J30J04P04A3	31.5	27	11.2	22.7	30
J30J05P05A3	36.4	30.9	11.2	26.6	30
J30J06P06A3	39.9	35.2	11.2	30.9	30
J30J07P07A3	44.2	39.3	11.2	35	30
J30J08P08A3	48.1	43.4	11.2	39.1	30
J30J09P09A3	52.3	47.5	11.2	43.2	30
J30J10P10A3	56.1	51.6	11.2	47.3	30
J30J09P02A3	29.8	24.5	11.2	20.2	30
J30J16P03A3	35.1	29.3	11.2	25	30
J30J39P02A3	43	37.3	11.2	31.4	30

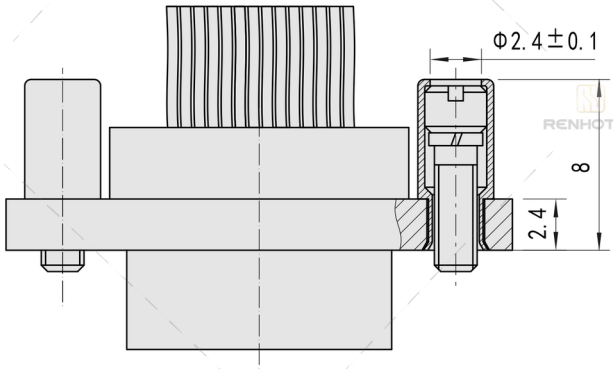
Note: for layouts 11P04, 21P02, 25P02 and 27P02 the A3 clamp follows the 05P05 version; 12P05 follows 06P06, 13P06 follows 07P07 and 23P06 follows 08P08.

Note: J30J-xxA3 cable clamps can only be used with J30J crimp and solder products. Once an A3 accessory is fitted, the connector cannot be fixed to a mounting panel.

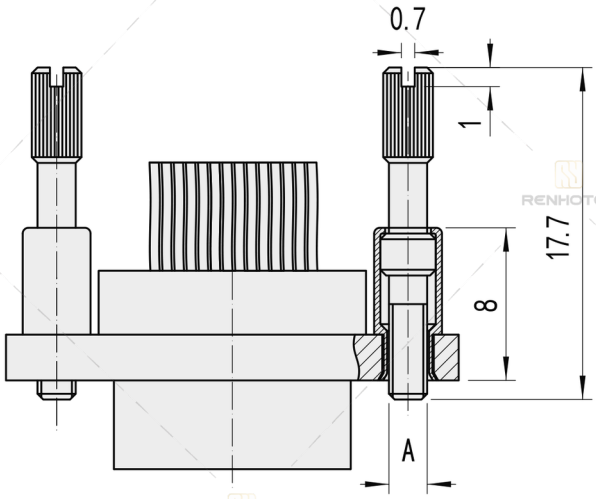
Free-End Locking Kits

Dimensions in millimetres.

J30JL00

Assembly view	Outline dimensions
	

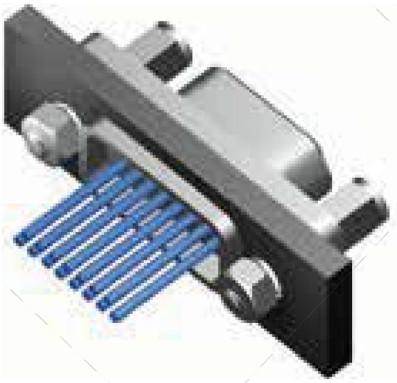
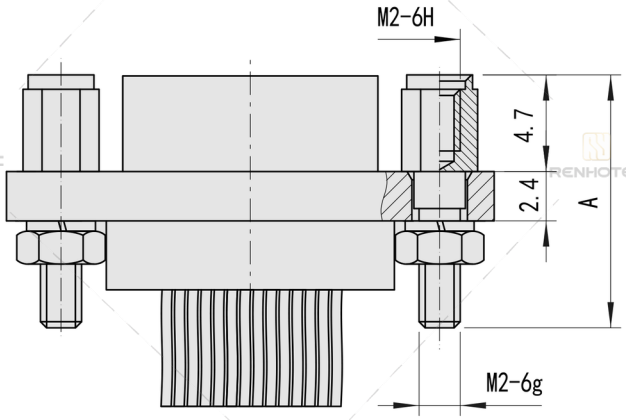
J30JK00

Assembly view	Outline dimensions
	

Fixed-End Locking Kits

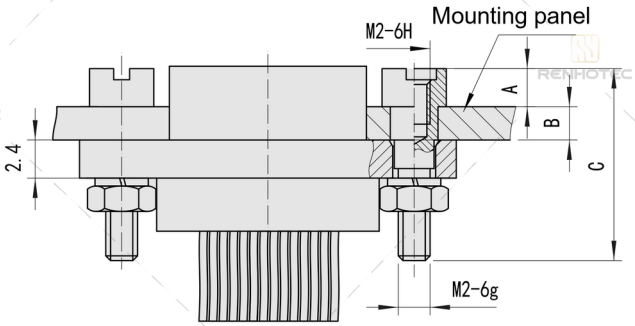
Dimensions in millimetres.

J30JP00 / J30JP12

Assembly view	Outline dimensions
	

Locking Kit Part No.	A (mm)
J30JP00	12.6
J30JP12	15.6

J30JP05 / J30JP06 / J30JP07 / J30JP08 / J30JP09

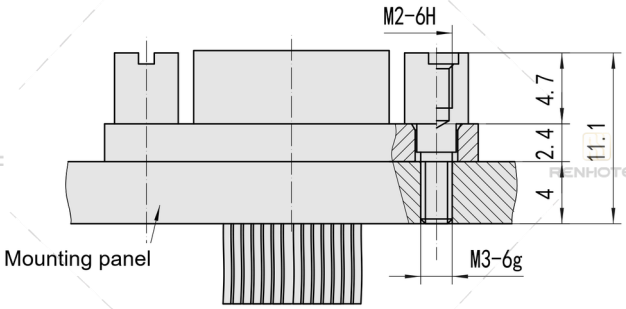
Assembly view	Outline dimensions
	

Locking Kit Part No.	A (mm)	B (mm)	C (mm)
J30JP05	4.1	0.6	12.6
J30JP06	3.3	1.4	12.6
J30JP07	2.5	2.2	12.6
J30JP08	1.3	3.4	12.6
J30JP09	2.7	2	20

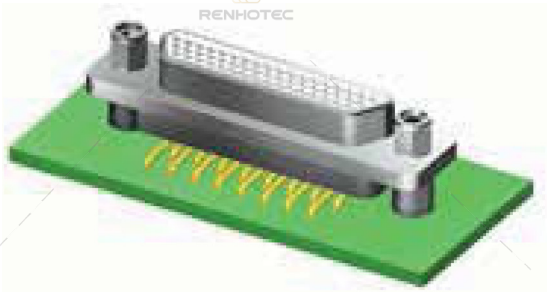
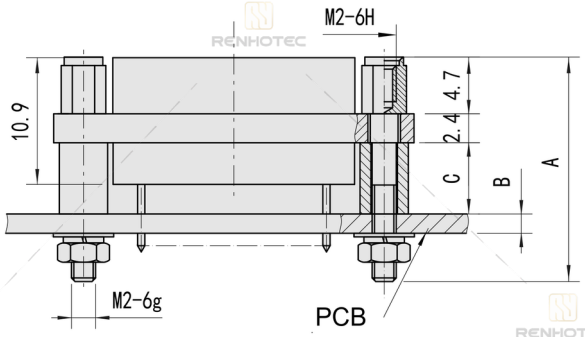
Fixed-End Locking Kits

Dimensions in millimetres.

J30JP11

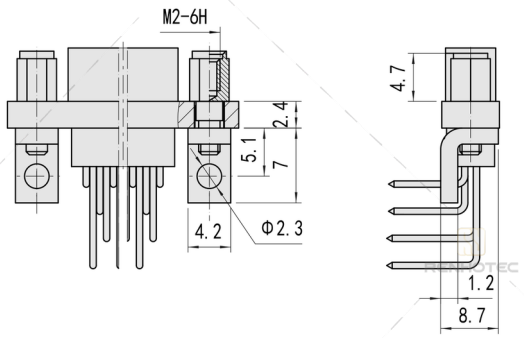
Assembly view	Outline dimensions
	

J30JP03 / J30JP111 / J30JP13 / J30JP54

Assembly view	Outline dimensions
	

Locking Kit Part No.	A (mm)	B (mm)	C (mm)
J30JP03	18.6	1.6–2.5	5.9
J30JP111	19.6	1.6–3.5	5.9
J30JP13	20.5	1.6–4.5	5.9
J30JP54	21.6	1.6–6	5.9

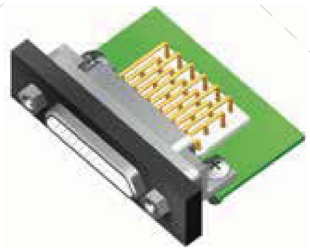
J30JP04

Assembly view	Outline dimensions
	

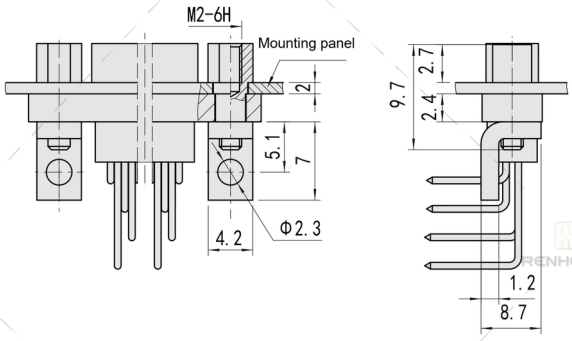
Fixed-End Locking Kits & Mounting Cutouts

J30JP10

Assembly view

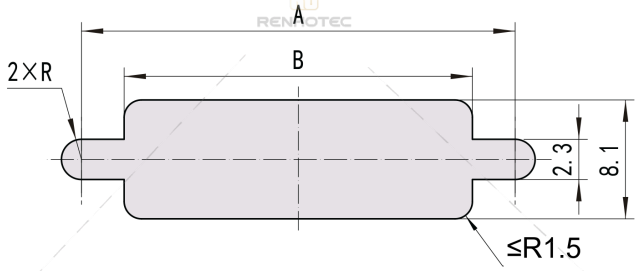


Outline dimensions



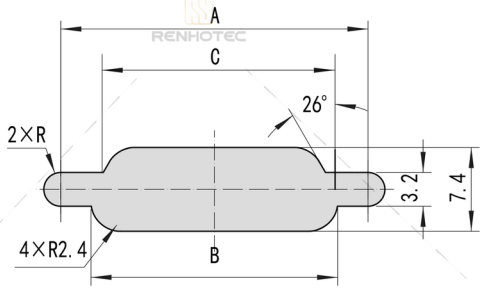
Panel Cutout Dimensions

Cutout — Front Mounting



Layout	A (mm)	B (mm)
02P02	18.8	14.8
03P03	22.9	18.9
04P04	27	23
05P05	30.9	26.9
06P06	35.2	31.2
07P07	39.3	35.3
08P08	43.4	39.4
09P09	47.5	43.5
10P10	51.6	47.6
09P02	24.5	20.5
11P04	30.9	26.9
12P05	35.2	31.2
13P06	39.3	35.3
16P03	29.3	25.3
21P02	30.9	26.9
23P06	43.4	39.4
25P02	30.9	26.9
27P02	30.9	26.9
39P02	37.3	33.3

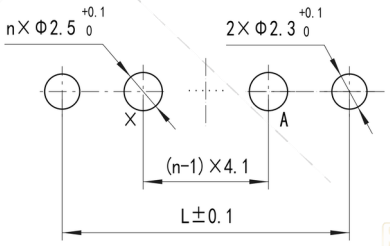
Cutout — Rear Mounting



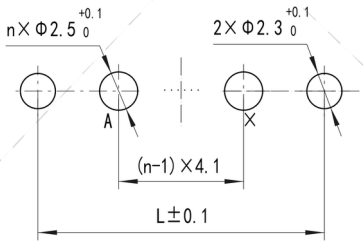
Layout	A (mm)	B (mm)	C (mm)
02P02	18.8	14.8	12.6
03P03	22.9	18.9	16.7
04P04	27	23	20.8
05P05	30.9	26.9	24.7
06P06	35.2	31.2	29
07P07	39.3	35.3	33.1
08P08	43.4	39.4	37.2
09P09	47.5	43.5	41.3
10P10	51.6	47.6	45.4
09P02	24.5	20.5	18.3
11P04	30.9	26.9	24.7
12P05	35.2	31.2	29
13P06	39.3	35.3	33.1
16P03	29.3	25.3	23.1
21P02	30.9	26.9	24.7
23P06	43.4	39.4	37.2
25P02	30.9	26.9	24.7
27P02	30.9	26.9	24.7
39P02	37.3	33.3	31.1

Recommended PCB Cutout — Straight Type

Viewed from the mating end. Dimensions in millimetres.



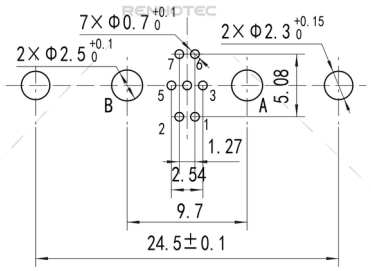
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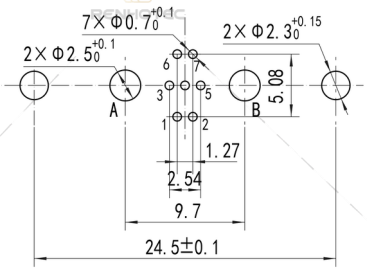
J30J□□P□□0P000N10000

Contact Layout Register

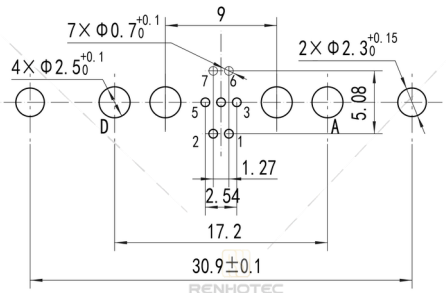
Contact Layout	L (mm)	n	×	Contact Layout	L (mm)	n	×
02P02	18.8	2	B	**07P07**	39.3	7	G
03P03	22.9	3	C	**08P08**	43.4	8	H
04P04	27.0	4	D	**09P09**	47.5	9	I
05P05	30.9	5	E	**10P10**	51.6	10	J
06P06	35.2	6	F				



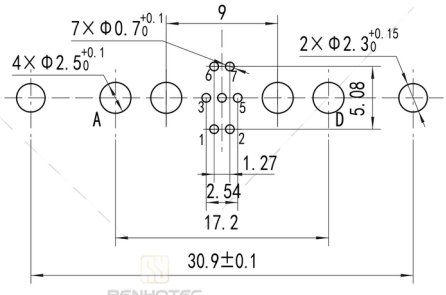
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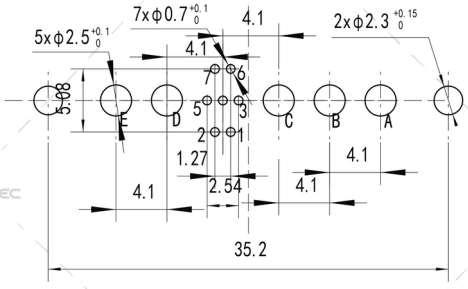
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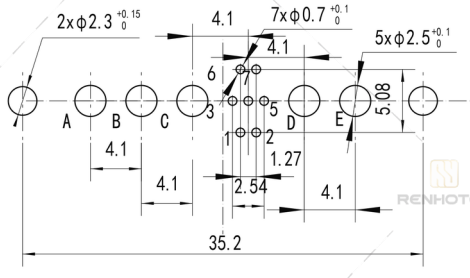
J30J11P04JSN01N10000



J30J11P04KPN01N10000



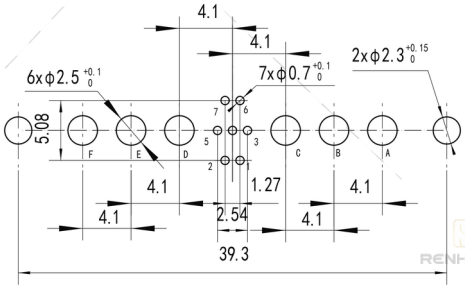
J30J12P05JSN01N10000



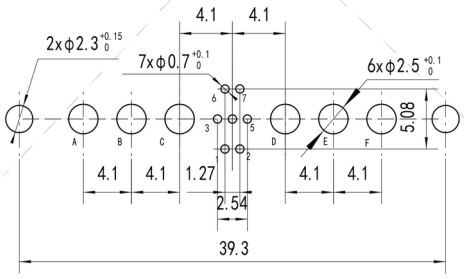
J30J12P05KPN01N10000

Recommended PCB Cutout — Straight Type

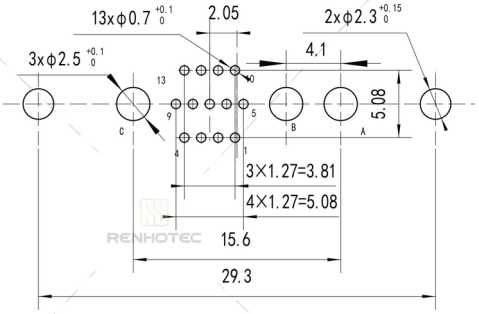
Viewed from the mating end. Dimensions in millimetres.



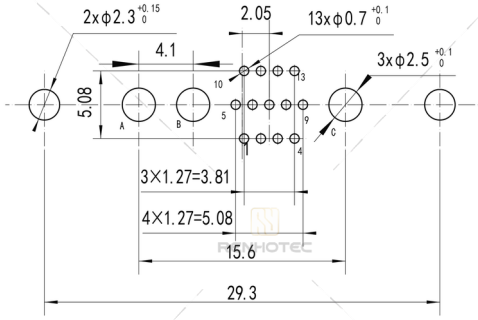
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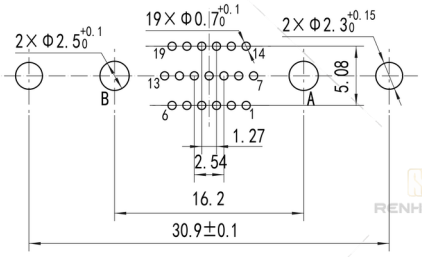
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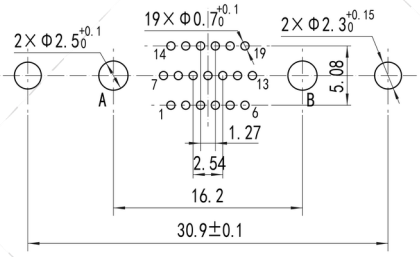
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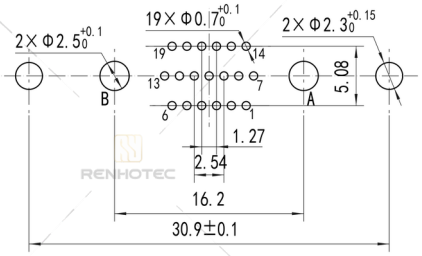
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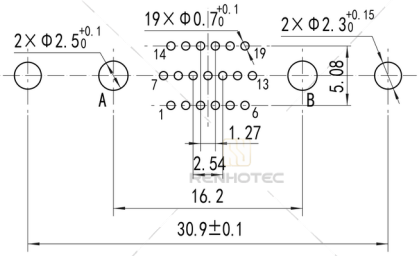
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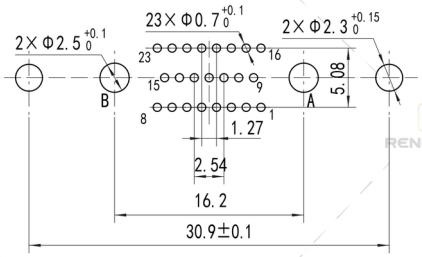
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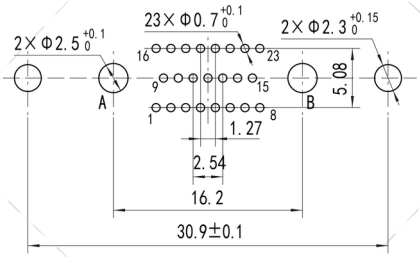
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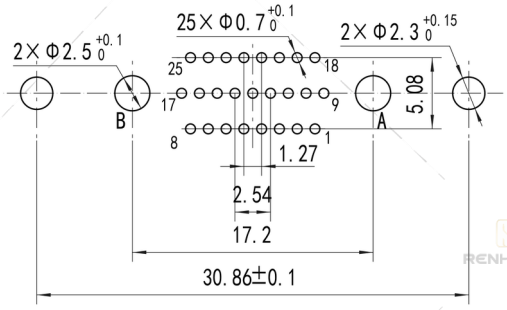
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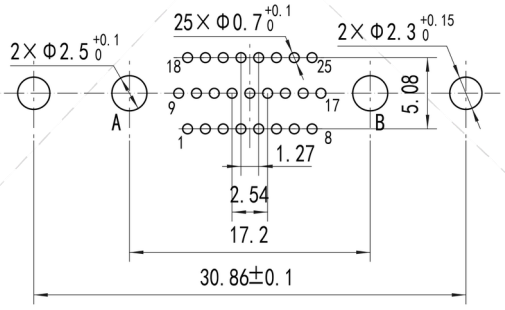
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Recommended PCB Cutout — Straight Type

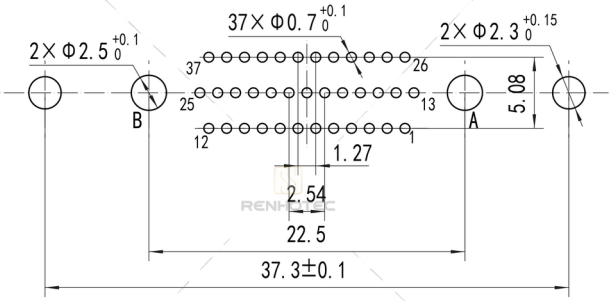
Viewed from the mating end. Dimensions in millimetres.



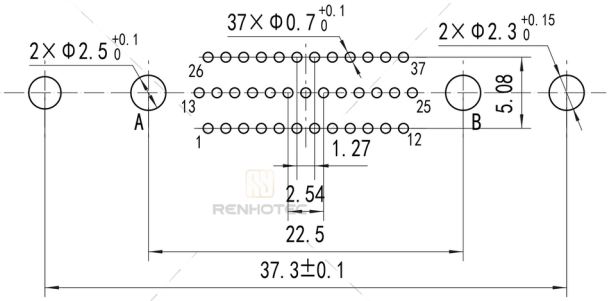
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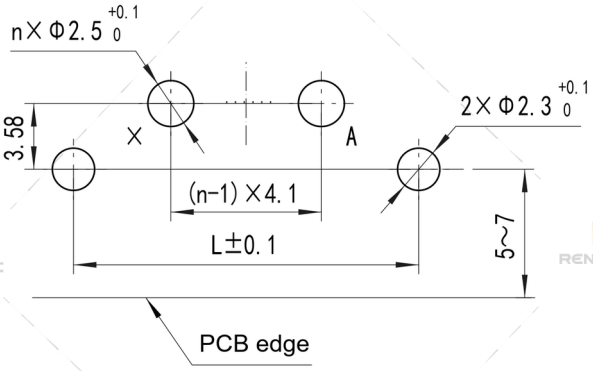
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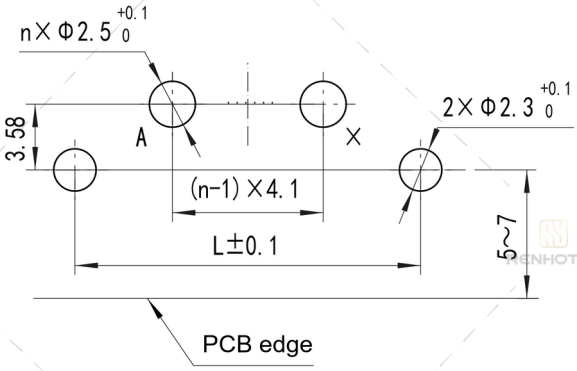
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Recommended PCB Cutout — Right-angle Type

Viewed from the mating end. Dimensions in millimetres.



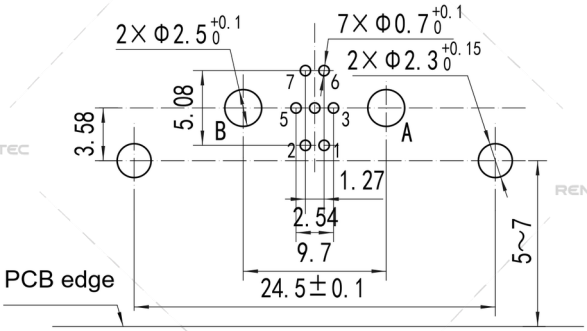
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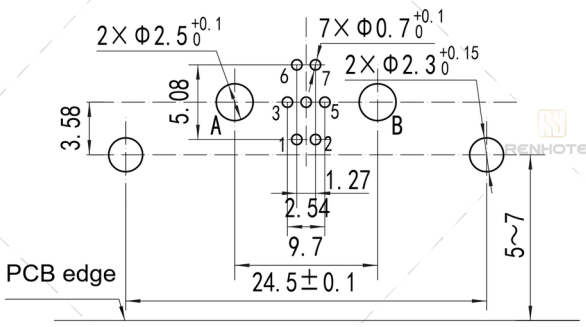
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Contact Layout Register

Contact Layout	L (mm)	n	×	Contact Layout	L (mm)	n	×
02P02	18.8	2	B	**07P07**	39.3	7	G
03P03	22.9	3	C	**08P08**	43.4	8	H
04P04	27.0	4	D	**09P09**	47.5	9	I
05P05	30.9	5	E	**10P10**	51.6	10	J
06P06	35.2	6	F				



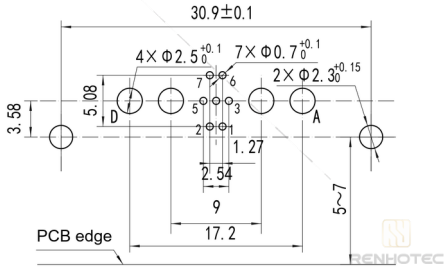
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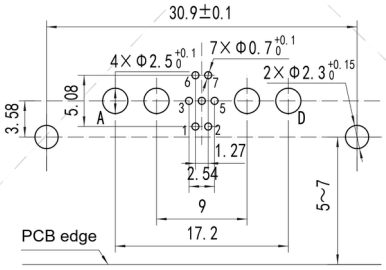
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Recommended PCB Cutout — Right-angle Type

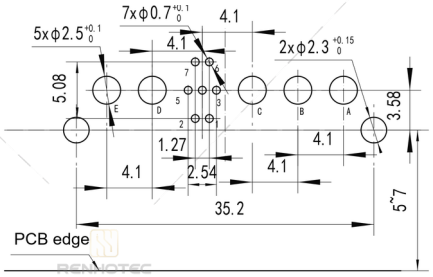
Viewed from the mating end. Dimensions in millimetres.



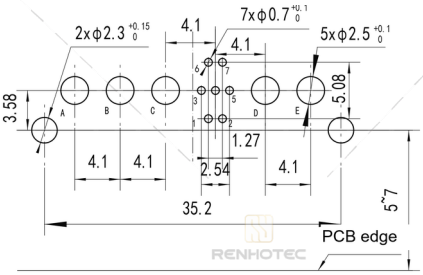
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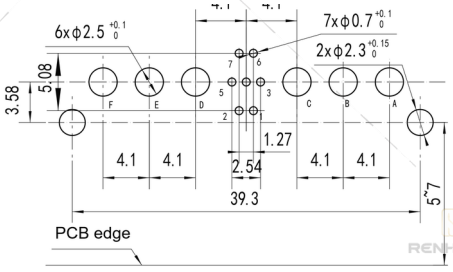
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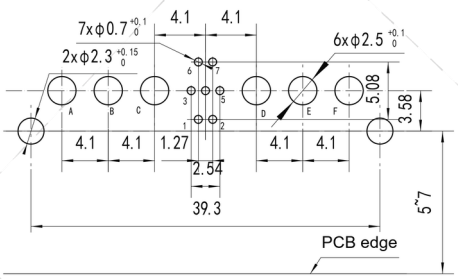
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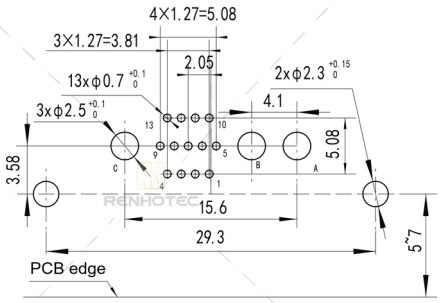
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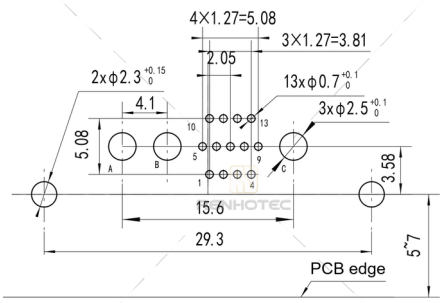
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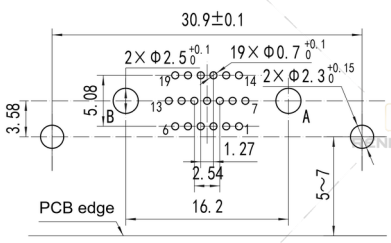
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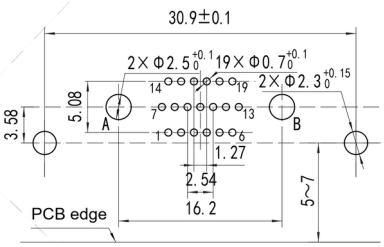
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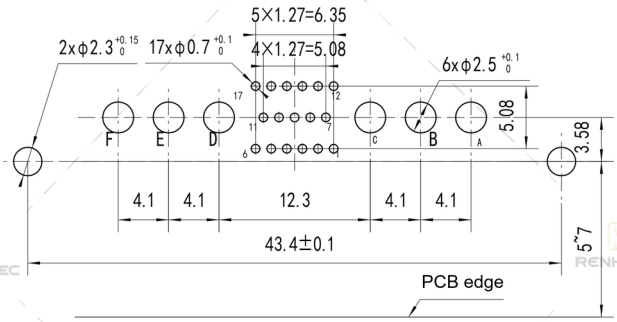
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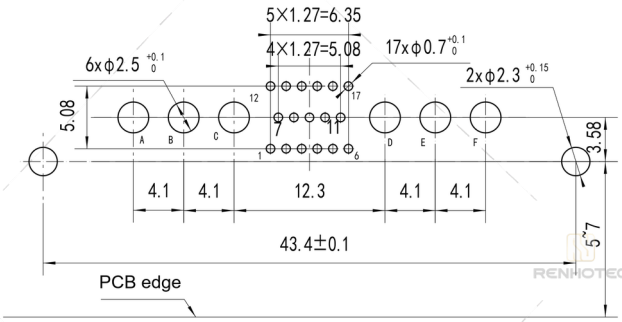
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Recommended PCB Cutout — Right-angle Type

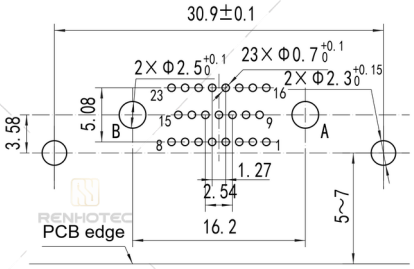
Viewed from the mating end. Dimensions in millimetres.



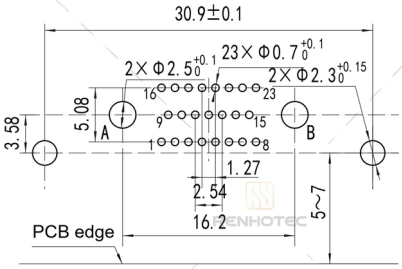
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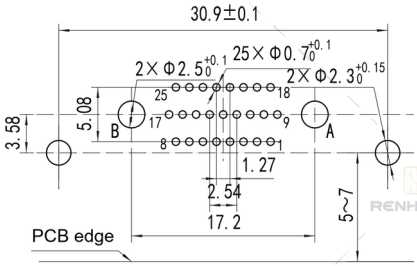
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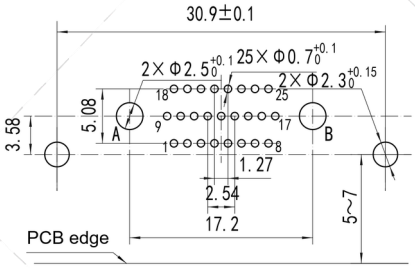
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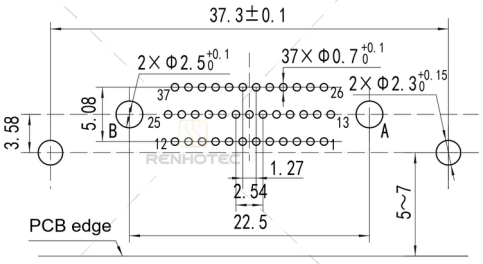
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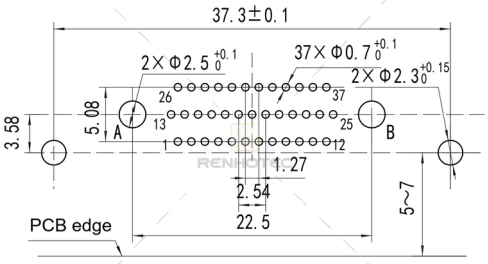
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J30J27P02KPW01W10000



J30J39P02JSW01W10000



J30J39P02KPW01W10000

NEXT STEP

Specify Your J30J Connector

Send us the contact layout, the termination code and the board thickness.
We confirm the part number against the drawing and quote for your volume.

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Hybrid layouts 02P02 – 39P02 · 3 A signal + 20 A power · crimp, solder, PCB straight and right-angle · specialised cable assemblies on request