RAINEON

南京睿宁电子科技有限公司

NANJING RAINEON ELECTRONIC TECHNOLOGY CO., LTD

PRODUCT CATALOGUE

Aviation Connectors | Interconnect Technology



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Features

- Contact counts: 9, 15, 21, 25, 31, 37, 51, 66 - eight versions
- Twisted-wire elastic pins (twist pins); contact pitch 1.91 mm, row spacing 1.65 mm
- Wire cross-section range: 0.15-0.3 mm²
- Widely used for circuit connections in aerospace, aviation, computers and other electronic equipment
- Executed standards:

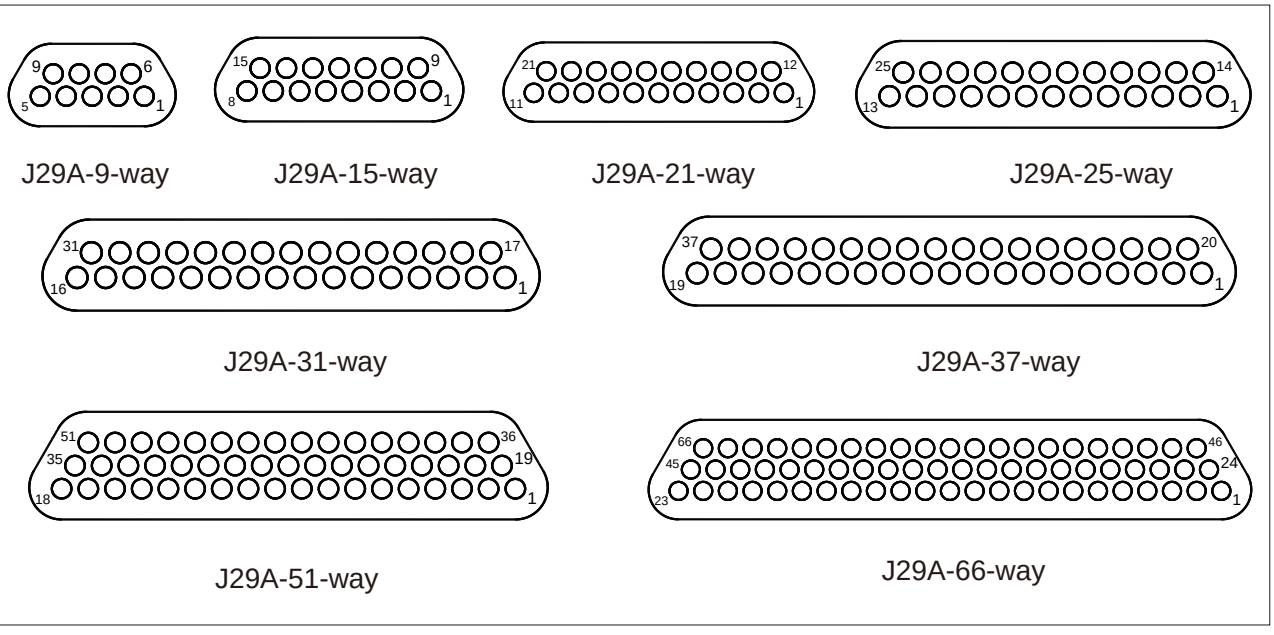
Q/Lk.J(02)30-2003 J29 Series Micro-Rectangular Connectors Detail Specification
Q/Lk20059-2004 J29M Micro-Rectangular Connectors Detail Specification

Technical Characteristics

- Ambient temperature: -55 degC to +125 degC
- Vibration: 10 Hz to 2000 Hz, 200 m/s²
- Random vibration: PSD 0.4 G 2/Hz, total RMS acceleration 23.1 G
- Shock: 1200 m/s² 6ms
- Rated current: 5 A
- Contact resistance: <=10 mOhm
- Insulation resistance: >=5000 MOhm
- Dielectric withstanding voltage: 1500 V
- Mechanical life: 500 cycles
- Sealing performance (J29M series products only)

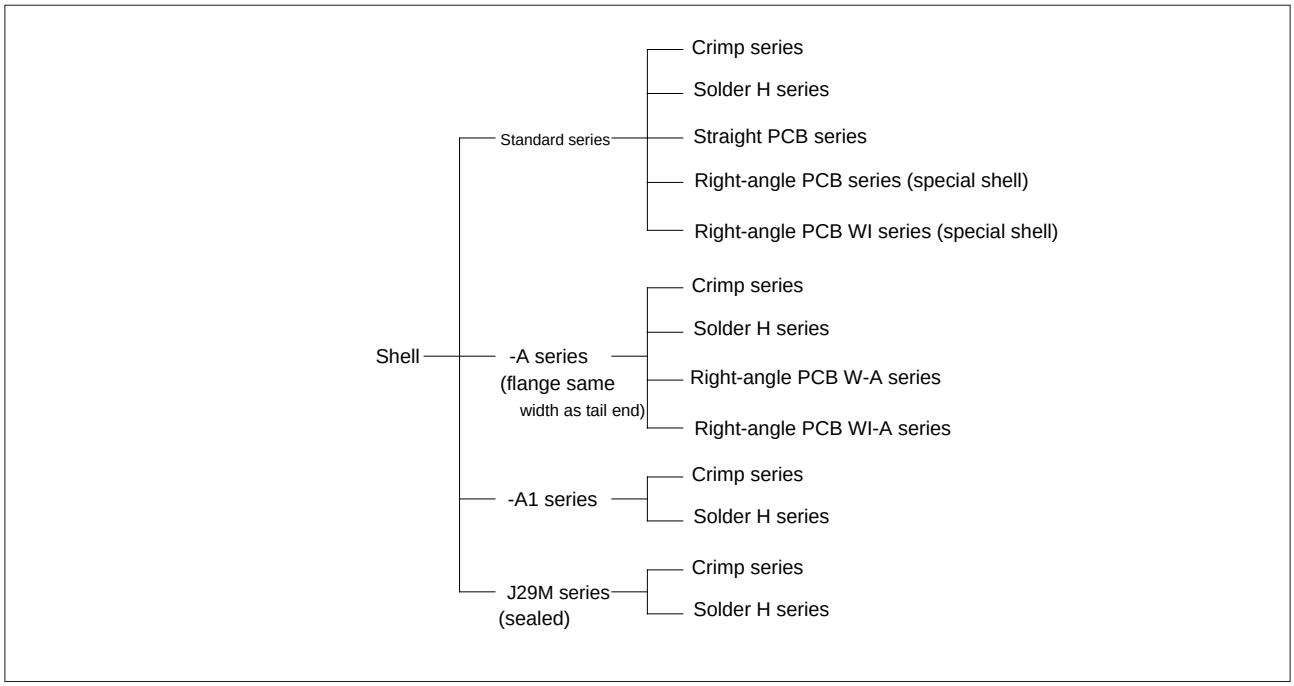
Water seal: at one atmosphere differential, no bubbles in water test
Hermetic seal: 1x10 $^{-1}$Pa.cm 3/s (one atmospheric pressure differential)

Arrangements

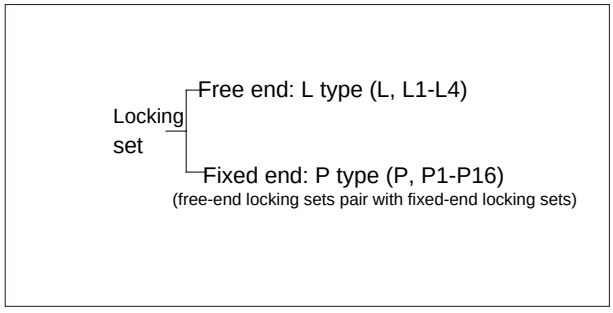


Note: viewed from the plug assembly mating end

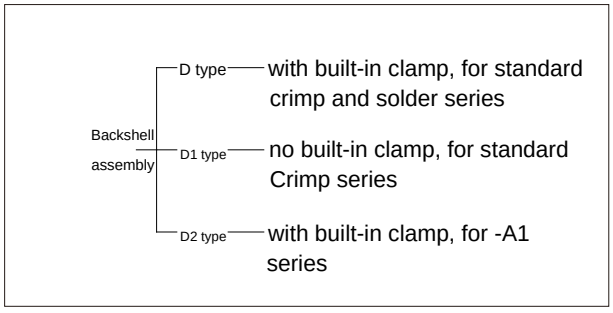
Product Family Tree



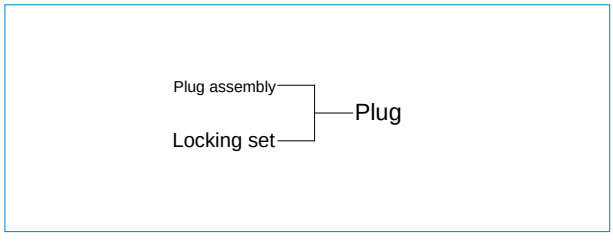
Locking set

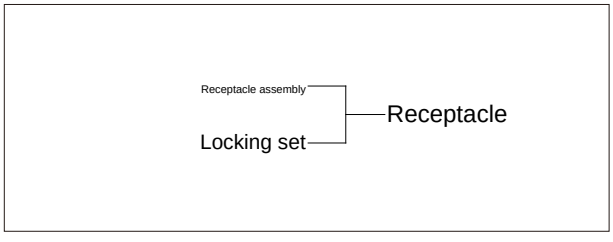


Backshell assembly



Notes:





As shown above, to form a complete plug or receptacle the user must select both the plug (receptacle) assembly and a locking set. The backshell assembly is optional and chosen as required. Detailed selection instructions are given in the relevant sections that follow.

Ordering Information

J29A series ordering code

J29A	−	×	TJ/ZK	×	×	−	×	×	(supplementary remarks)
1.		2.	3.	4.	5.		6.	7.	

(1) Basic code: J29A

(2) Contact count: 9, 15, 21, 25, 31, 37, 51, 66

(3) Connector and contact types: TJ - plug with pins; ZK - receptacle with sockets; TJ and ZK are a fixed pairing

(4) Contact tail style: no letter - crimp; H - solder; N - straight PCB;

W - right-angle PCB (1.91 x 2.54 grid);

WI - right-angle PCB (3.82 x 2.54 grid);

(5) Locking set type: see "J29A Locking Sets".

"Note: P3, P4, P6, P13 and P15 locking sets are exclusive to J29A-*TJW/ZKW/TJWI/ZKWI products".

(6) Shell type: no letter - standard (counterbored holes in the shell flange at the mating end),

J29A-*TJW/ZKW/TJWI/ZKWI use a special shell (no counterbores at the mating end of the flange; 4.5 x 4.5 square hole at the potting end)

A - shell flange same width as the tail end

A1 - shell flange width between standard and -A

(7) Backshell assembly type: D, D1, D2

Note: supplementary remarks are not part of the ordering code; state the crimped wire data in parentheses, e.g. wire cross-section, length and colour. For complex wiring, provide a wiring table.

Marking example

J29A-25ZKL4-A1D2 (supplementary remarks)

This code means: 25 contacts, receptacle with sockets, crimp-style contact tails, A1 shell, with L4 free-end locking set and D2 backshell assembly. (Supplementary remarks: wire cross-section, length, colour, etc.)

Ordering Information

J29M series ordering code

J29M	−	×	TJ/ZK	×	×	(supplementary remarks)
1.		2.	3.	4.	5.	

(1) Basic code: J29A

(2) Contact count: 9, 15, 21, 25, 31, 37, 51, 66

(3) Connector and contact types: TJ - plug with pins; ZK - receptacle with sockets; TJ and ZK are a fixed pairing

(4) Contact tail style: no letter - crimp; H - solder

(5) Locking set type: P5 locking set only

Note: supplementary remarks are not part of the ordering code; state the crimped wire data in parentheses, e.g. wire cross-section, length and colour. For complex wiring, provide a wiring table.

Marking example

J29M-51ZKH-P5 (supplementary remarks)

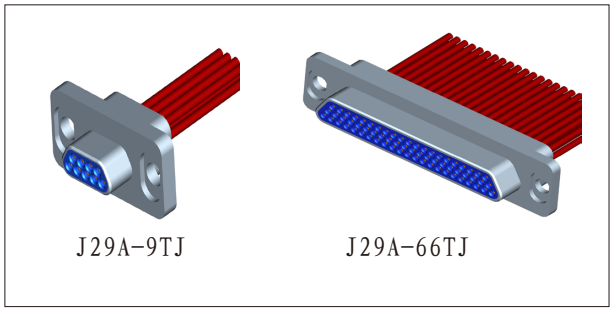
This code means: 51 contacts, receptacle with sockets, solder-style contact tails, with P5 fixed-end locking set, J29M sealed connector. (Supplementary remarks: wire cross-section, length, colour, etc.)

J29A Standard \ J29A Crimp Series

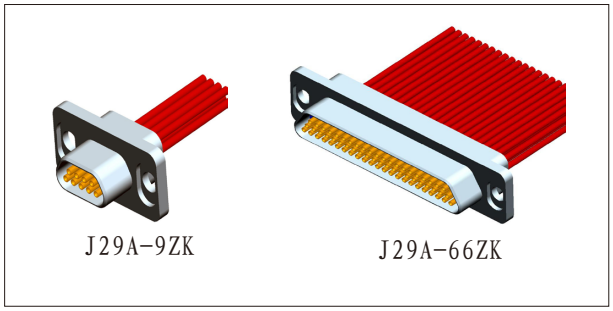
Plug
J29A-9, 15, 21, 25, 31, 37, 51, 66 TJ

Receptacle
J29A-9, 15, 21, 25, 31, 37, 51, 66 ZK

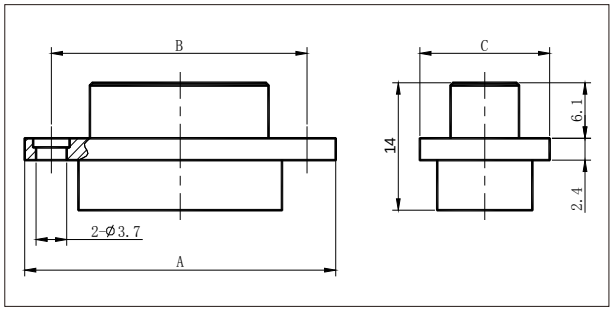
Product pictorial view



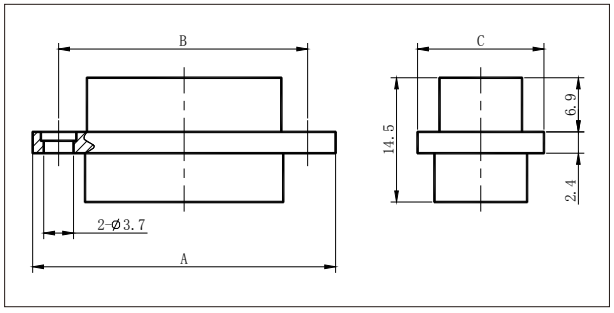
Product pictorial view



Product outline dimensions

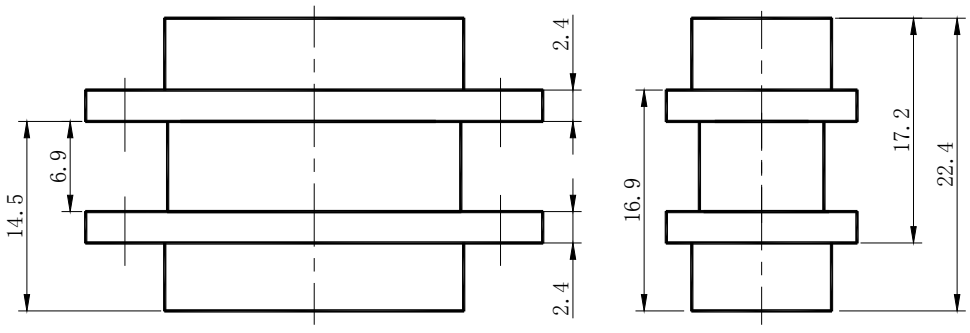


Product outline dimensions



Plug assembly	A	B	C	Receptacle assembly	A	B	C
J29A-9TJ	26.1	20.1	13	J29A-9ZK	26.1	20.1	13
J29A-15TJ	31.6	25.6	13	J29A-15ZK	31.6	25.6	13
J29A-21TJ	37.3	31.3	13	J29A-21ZK	37.3	31.3	13
J29A-25TJ	42	36	13	J29A-25ZK	42	36	13
J29A-31TJ	47.8	41.8	13	J29A-31ZK	47.8	41.8	13
J29A-37TJ	53.5	47.5	13	J29A-37ZK	53.5	47.5	13
J29A-51TJ	52	46	14.6	J29A-51ZK	52	46	14.6
J29A-66TJ	61.5	55.5	14.6	J29A-66ZK	61.5	55.5	14.6

Mated outline



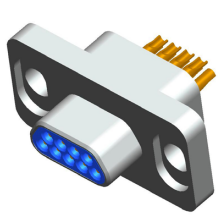
J29A-9, 15, 21, 25, 31, 37, 51, 66 TJ/ZK

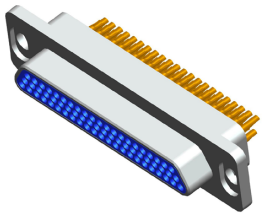
J29A Standard \ J29A Solder H Series

Plug
J29A-9, 15, 25, 37, 51, 66 TJH

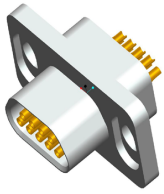
Receptacle
J29A-9, 15, 25, 37, 51, 66 ZKH

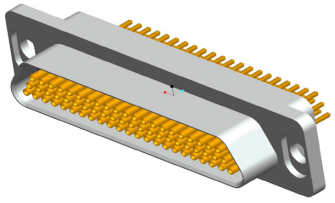
Product pictorial view


J29A-9TJH

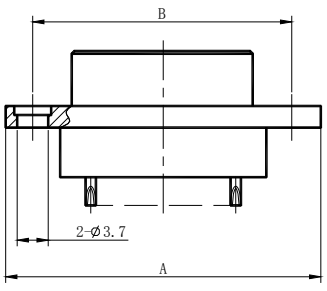

J29A-66TJH

Product pictorial view

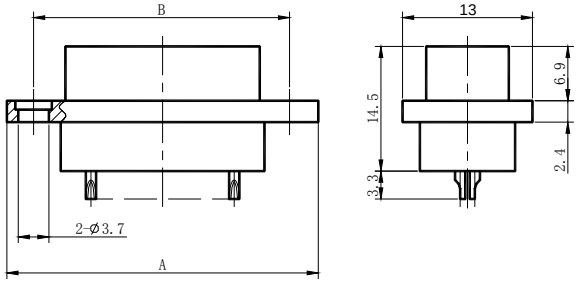

J29A-9ZKH


J29A-66ZKH

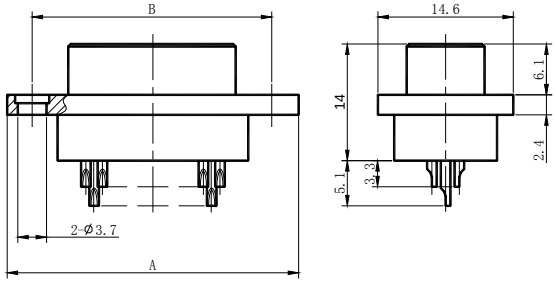
Product outline dimensions



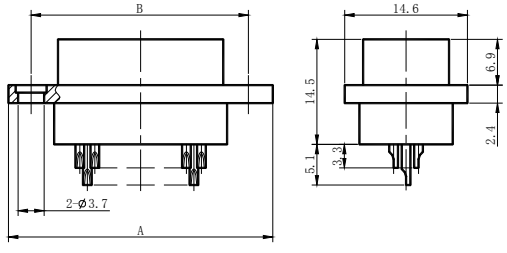
J29A-9, 15, 25, 37 TJH



J29A-9, 15, 25, 37 ZKH



J29A-51, 66 TJH



J29A-51, 66 ZKH

Ordering Information	A	B	Ordering Information	A	B
J29A-9TJH	26.1	20.1	J29A-9ZKH	26.1	20.1
J29A-15TJH	31.6	25.6	J29A-15ZKH	31.6	25.6
J29A-25TJH	42	36	J29A-25ZKH	42	36
J29A-37TJH	53.5	47.5	J29A-37ZKH	53.5	47.5
J29A-51TJH	52	46	J29A-51ZKH	52	46
J29A-66TJH	61.5	55.5	J29A-66ZKH	61.5	55.5

J29A Standard \ J29A Straight PCB N Series

Features: PCB hole grid 1.91 x 1.65 (columns x rows)

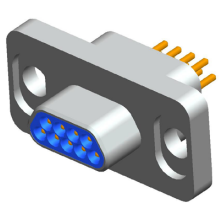
Plug

J29A-9, 15, 25, 37, 51, 66 TJN

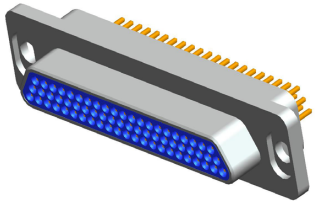
Receptacle

J29A-9, 15, 25, 37, 51, 66 ZKN

Product pictorial view

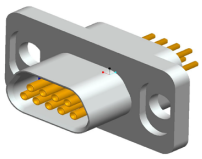


J29A-9TJN

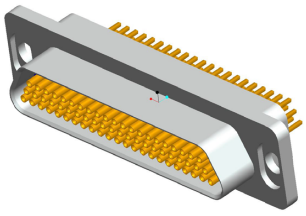


J29A-66TJN

Product pictorial view

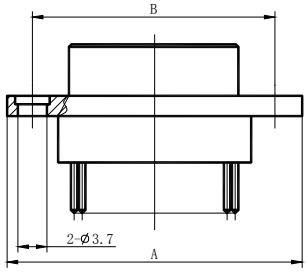


J29A-9ZKN

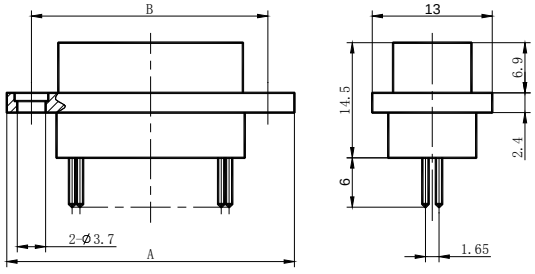


J29A-66ZKN

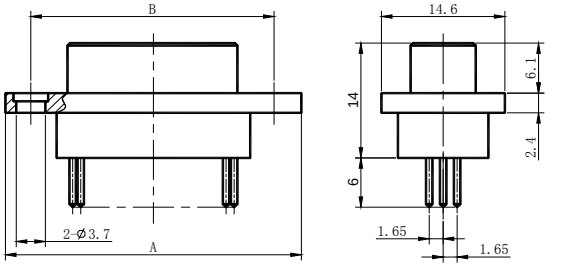
Product outline dimensions



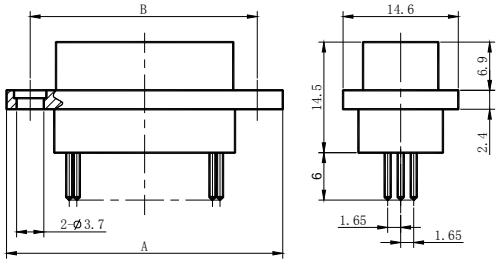
J29A-9, 15, 25, 37 TJN



J29A-9, 15, 25, 37 ZKN



J29A-51, 66 TJN



J29A-51, 66 ZKN

Plug assembly	A	B	Receptacle assembly	A	B
J29A-9TJN	26.1	20.1	J29A-9ZKN	26.1	20.1
J29A-15TJN	31.6	25.6	J29A-15ZKN	31.6	25.6
J29A-25TJN	42	36	J29A-25ZKN	42	36
J29A-37TJN	53.5	47.5	J29A-37ZKN	53.5	47.5
J29A-51TJN	52	46	J29A-51ZKN	52	46
J29A-66TJN	61.5	55.5	J29A-66ZKN	61.5	55.5

J29A Standard \ J29A Right-angle PCB W Series

Features: special shell (no counterbores at the mating end of the flange; 4.5 x 4.5 square hole at the potting end); PCB hole grid 1.91 x 2.54

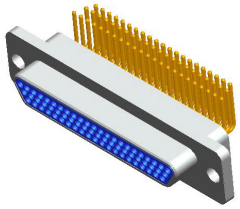
Plug

J29A-9, 15, 25, 37, 51, 66 TJW

Receptacle

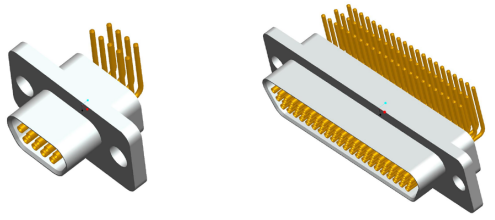
J29A-9, 15, 25, 37, 51, 66 ZKW

Product pictorial view



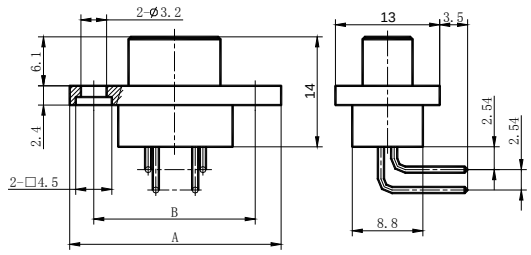
J29A-9TJW J29A-66TJW

Product pictorial view

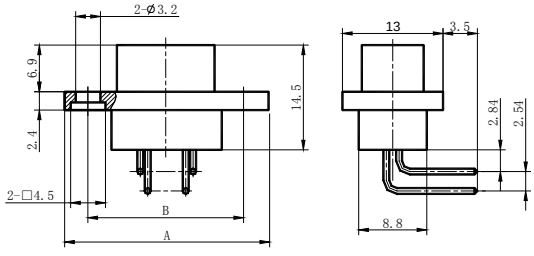


J29A-9ZKW J29A-66ZKW

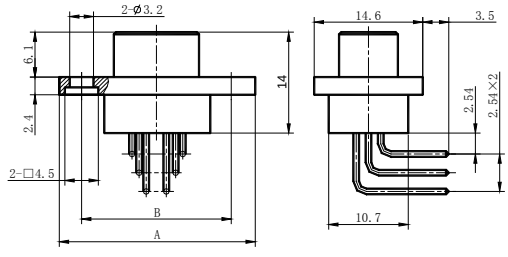
Product outline dimensions



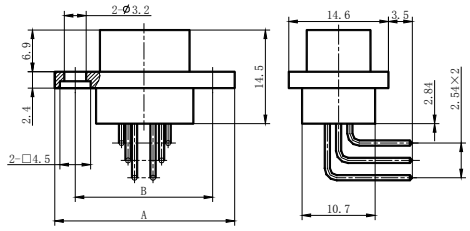
J29A-9, 15, 25, 37 TJW



J29A-9, 15, 25, 37 ZKW



J29A-51, 66 TJW



J29A-51, 66 ZKW

Plug assembly	A	B	Receptacle assembly	A	B
J29A-9TJW	26.1	20.1	J29A-9ZKW	26.1	20.1
J29A-15TJW	31.6	25.6	J29A-15ZKW	31.6	25.6
J29A-25TJW	42	36	J29A-25ZKW	42	36
J29A-37TJW	53.5	47.5	J29A-37ZKW	53.5	47.5
J29A-51TJW	52	46	J29A-51ZKW	52	46
J29A-66TJW	61.5	55.5	J29A-66ZKW	61.5	55.5

J29A Standard \ J29A Right-angle PCB WI Series

Features: special shell (no counterbores at the mating end of the flange; 4.5 x 4.5 square hole at the potting end); PCB hole grid 3.82 x 2.54

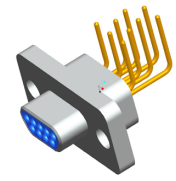
Plug

J29A-9, 15, 25, 37, 51, 66 TJWI

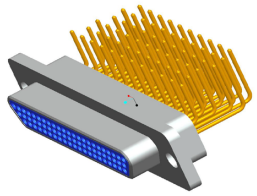
Receptacle

J29A-9, 15, 25, 37, 51, 66 ZKWI

Product pictorial view

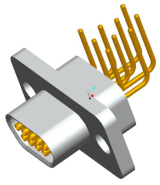


J29A-9TJW I

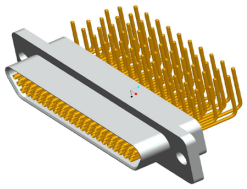


J29A-66TJW I

Product pictorial view

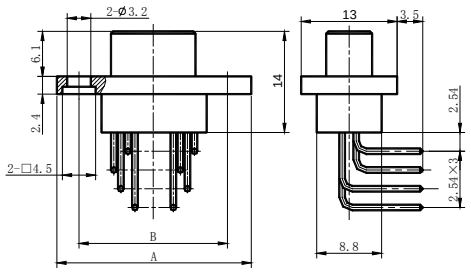


J29A-9ZKW I

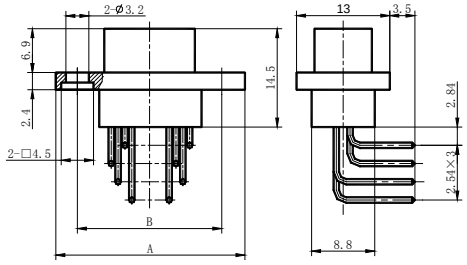


J29A-66ZKW I

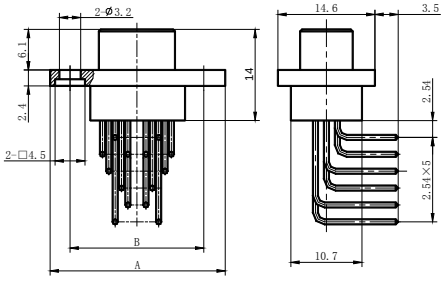
Product outline dimensions



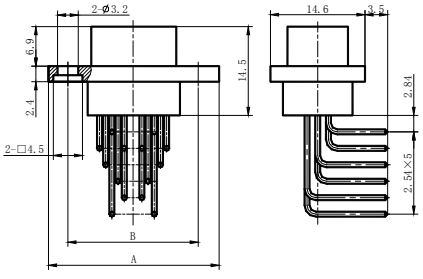
J29A-9, 15, 25, 37 TJW I



J29A-9, 15, 25, 37 ZKW I



J29A-51, 66 TJW I



J29A-51, 66 ZKW I

Plug assembly	A	B	Receptacle assembly	A	B
J29A-9TJW I	26.1	20.1	J29A-9ZKW I	26.1	20.1
J29A-15TJW I	31.6	25.6	J29A-15ZKW I	31.6	25.6
J29A-25TJW I	42	36	J29A-25ZKW I	42	36
J29A-37TJW I	53.5	47.5	J29A-37ZKW I	53.5	47.5
J29A-51TJW I	52	46	J29A-51ZKW I	52	46
J29A-66TJW I	61.5	55.5	J29A-66ZKW I	61.5	55.5

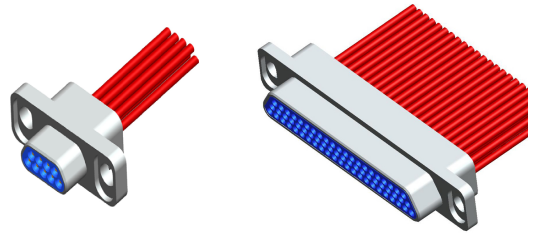
J29A-A \ J29A-A Crimp Series

Features: modified shell; flange same width as the tail end

Plug

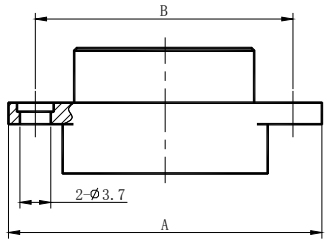
J29A-9, 15, 25, 37, 51, 66 TJ-A

Product pictorial view



J29A-9TJ-A J29A-66TJ-A

Product outline dimensions

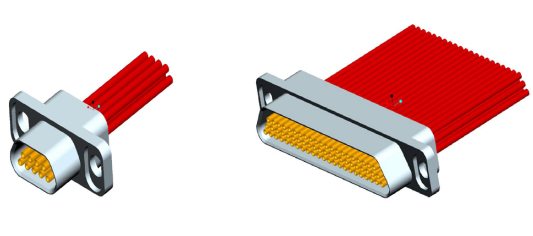


J29A-9, 15, 25, 37, 51, 66 TJ-A

Receptacle

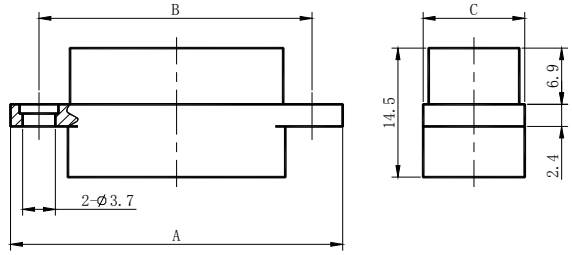
J29A-9, 15, 25, 37, 51, 66 ZK-A

Product pictorial view



J29A-9ZK-A J29A-66ZK-A

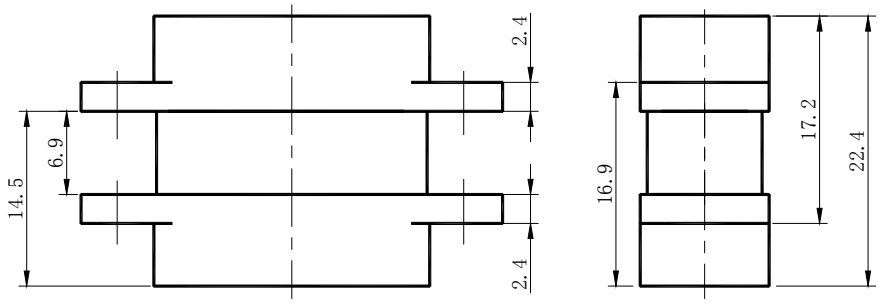
Product outline dimensions



J29A-9, 15, 25, 37, 51, 66 ZK-A

Plug assembly	A	B	C	Receptacle assembly	A	B	C
J29A-9TJ-A	26.1	20.1	8.8	J29A-9ZK-A	26.1	20.1	8.8
J29A-15TJ-A	31.6	25.6	8.8	J29A-15ZK-A	31.6	25.6	8.8
J29A-25TJ-A	42	36	8.8	J29A-25ZK-A	42	36	8.8
J29A-37TJ-A	53.5	47.5	8.8	J29A-37ZK-A	53.5	47.5	8.8
J29A-51TJ-A	52	46	10.7	J29A-51ZK-A	52	46	10.7
J29A-66TJ-A	61.5	55.5	10.7	J29A-66ZK-A	61.5	55.5	10.7

Mated outline



J29A-9, 15, 25, 37, 51, 66 TJ-A/ZK-A

J29A-A \ J29A-A Solder H Series

Features: modified shell; flange same width as the tail end

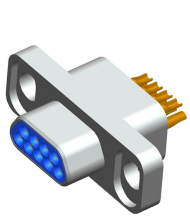
Plug

J29A-9, 15, 25, 37, 51, 66 TJH-A

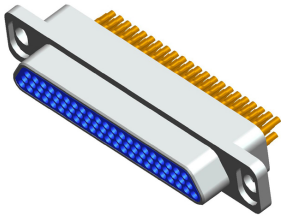
Receptacle

J29A-9, 15, 25, 37, 51, 66 ZKH-A

Product pictorial view

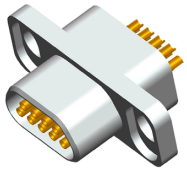


J29A-9TJH-A

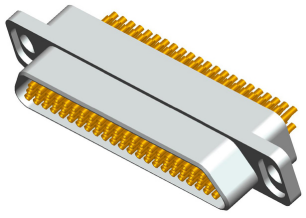


J29A-66TJH-A

Product pictorial view

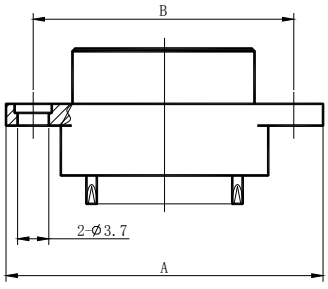


J29A-9ZKH-A

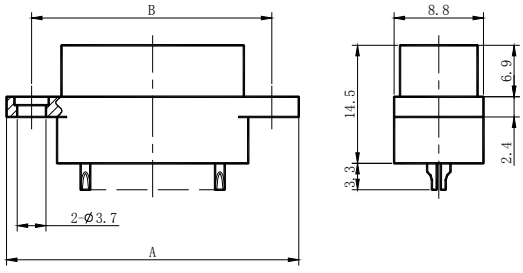


J29A-66ZKH-A

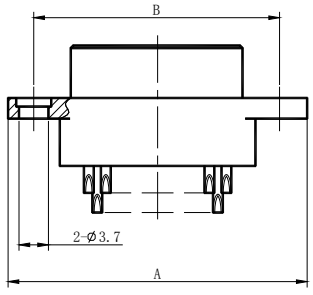
Product outline dimensions



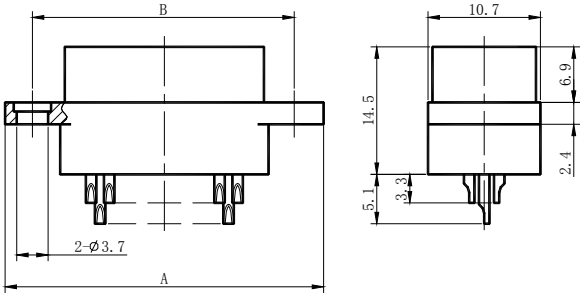
J29A-9, 15, 25, 37 TJH-A



J29A-9, 15, 25, 37 ZKH-A



J29A-51, 66 TJH-A



J29A-51, 66 ZKH-A

Plug assembly	A	B	Receptacle assembly	A	B
J29A-9TJH-A	26.1	20.1	J29A-9ZKH-A	26.1	20.1
J29A-15TJH-A	31.6	25.6	J29A-15ZKH-A	31.6	25.6
J29A-25TJH-A	42	36	J29A-25ZKH-A	42	36
J29A-37TJH-A	53.5	47.5	J29A-37ZKH-A	53.5	47.5
J29A-51TJH-A	52	46	J29A-51ZKH-A	52	46
J29A-66TJH-A	61.5	55.5	J29A-66ZKH-A	61.5	55.5

J29A-A \ J29A-A Right-angle PCB W Series

Features: modified shell; flange same width as the tail end;
PCB hole grid 1.91 x 2.54

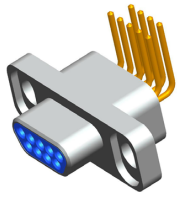
Plug

J29A-9, 15, 25, 37, 51, 66 TJW-A

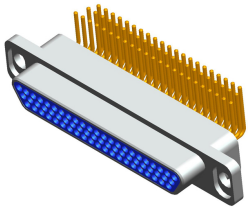
Receptacle

J29A-9, 15, 25, 37, 51, 66 ZKW-A

Product pictorial view

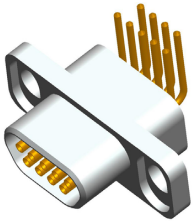


J29A-9TJW-A

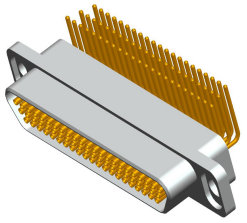


J29A-66TJW-A

Product pictorial view

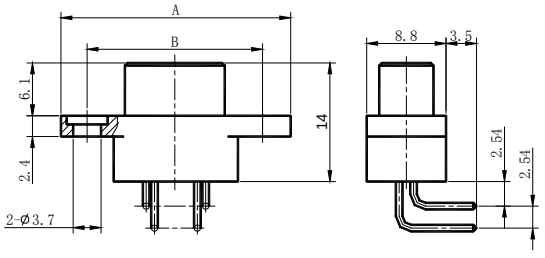


J29A-9ZKW-A

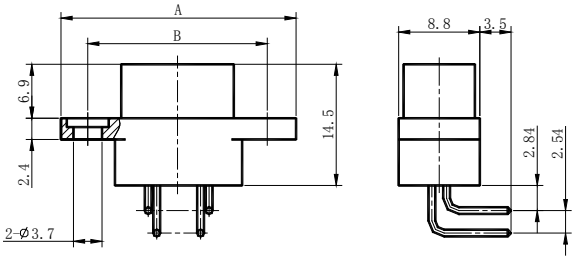


J29A-66ZKW-A

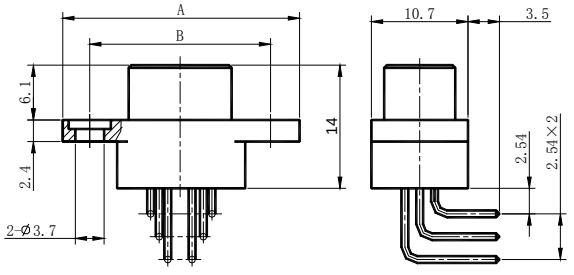
Product outline dimensions



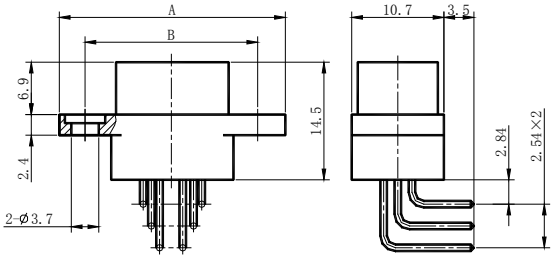
J29A-9, 15, 25, 37 TJW-A



J29A-9, 15, 25, 37 ZKW-A



J29A-51, 66 TJW-A



J29A-51, 66 ZKW-A

Plug assembly	A	B	Receptacle assembly	A	B
J29A-9TJW-A	26.1	20.1	J29A-9ZKW-A	26.1	20.1
J29A-15TJW-A	31.6	25.6	J29A-15ZKW-A	31.6	25.6
J29A-25TJW-A	42	36	J29A-25ZKW-A	42	36
J29A-37TJW-A	53.5	47.5	J29A-37ZKW-A	53.5	47.5
J29A-51TJW-A	52	46	J29A-51ZKW-A	52	46
J29A-66TJW-A	61.5	55.5	J29A-66ZKW-A	61.5	55.5

J29A-A \ J29A-A Right-angle PCB WI Series

Features: modified shell; flange same width as the tail end;
PCB hole grid 3.82 x 2.54

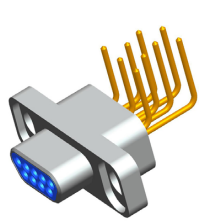
Plug

J29A-9, 15, 25, 37, 51, 66 TJW ··-A

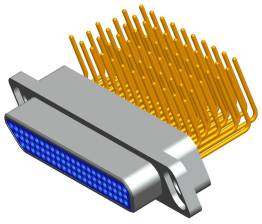
Receptacle

J29A-9, 15, 25, 37, 51, 66 ZKW ··-A

Product pictorial view

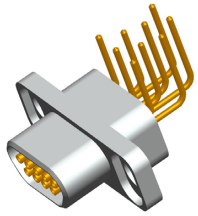


J29A-9TJW I -A

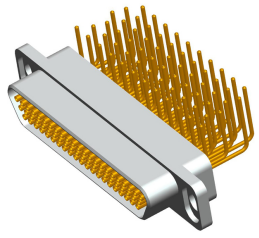


J29A-66TJW I -A

Product pictorial view

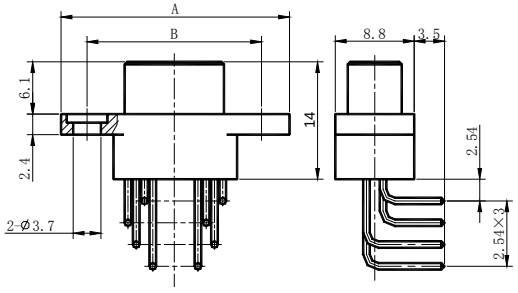


J29A-9ZKW I -A

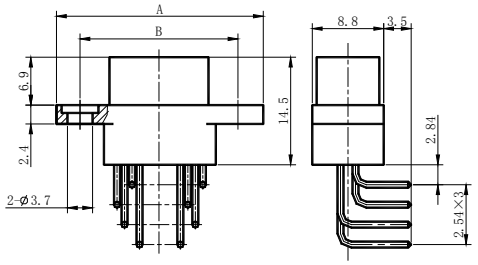


J29A-66ZKW I -A

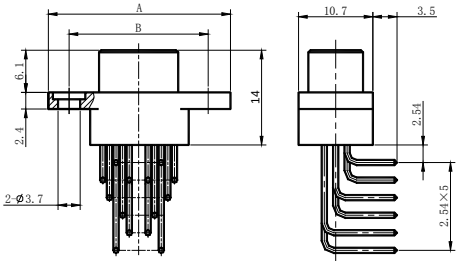
Product outline dimensions



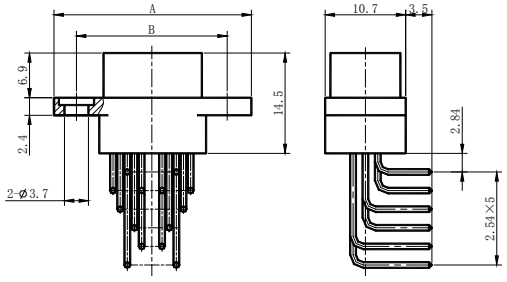
J29A-9, 15, 25, 37 TJW ··-A



J29A-9, 15, 25, 37 ZKW ··-A



J29A-51, 66 TJW ··-A



J29A-51, 66 ZKW ··-A

Plug assembly	A	B	Receptacle assembly	A	B
J29A-9TJW I -A	26.1	20.1	J29A-9ZKW I -A	26.1	20.1
J29A-15TJW I -A	31.6	25.6	J29A-15ZKW I -A	31.6	25.6
J29A-25TJW I -A	42	36	J29A-25ZKW I -A	42	36
J29A-37TJW I -A	53.5	47.5	J29A-37ZKW I -A	53.5	47.5
J29A-51TJW I -A	52	46	J29A-51ZKW I -A	52	46
J29A-66TJW I -A	61.5	55.5	J29A-66ZKW I -A	61.5	55.5

J29A-A1 \ J29A-A1 Crimp Series

Features: modified shell; flange width between standard and -A

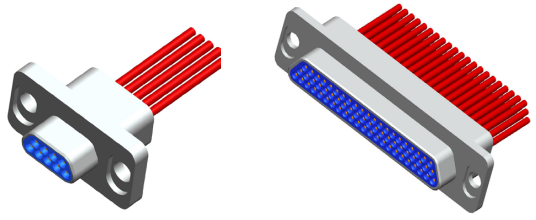
Plug

J29A-9, 15, 25, 37, 51, 66 TJ-A I

Receptacle

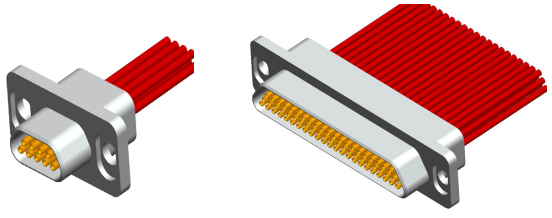
J29A-9, 15, 25, 37, 51, 66 ZK-A I

Product pictorial view



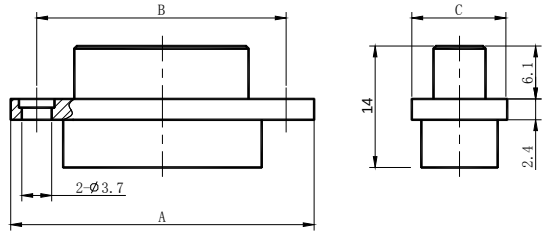
J29A-9TJ-A1 J29A-66TJ-A1

Product pictorial view



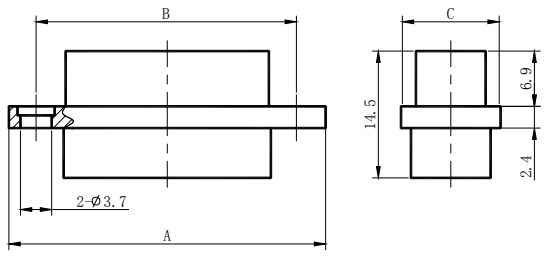
J29A-9ZK-A1 J29A-66ZK-A1

Product outline dimensions



J29A-25, 37, 51 TJ-A1

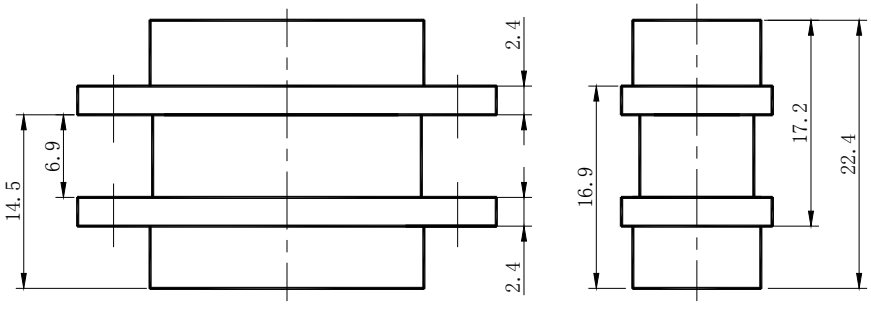
Product outline dimensions



J29A-25, 37, 51 ZK-A1

Plug assembly	A	B	C	Receptacle assembly	A	B	C
J29A-9TJ-A1	26.1	20.1	11	J29A-9ZK-A1	26.1	20.1	11
J29A-15TJ-A1	31.6	25.6	11	J29A-15ZK-A1	31.6	25.6	11
J29A-25TJ-A	42	36	11	J29A-25ZK-A1	42	36	11
J29A-37TJ-A	53.5	47.5	11	J29A-37ZK-A1	53.5	47.5	11
J29A-51TJ-A	52	46	12.6	J29A-51ZK-A1	52	46	12.6
J29A-66TJ-A	61.5	55.5	12.6	J29A-66ZK-A1	61.5	55.5	12.6

Mated outline



J29A-A1 \ J29A-A1 Solder H Series

Features: modified shell; flange width between standard and -A; solder-style contact tails

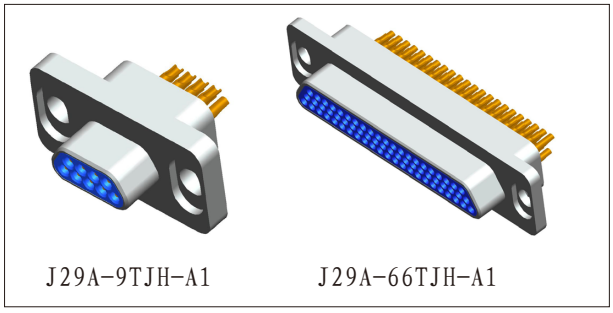
Plug

J29A-9, 15, 25, 37, 51, 66 TJH-A1

Receptacle

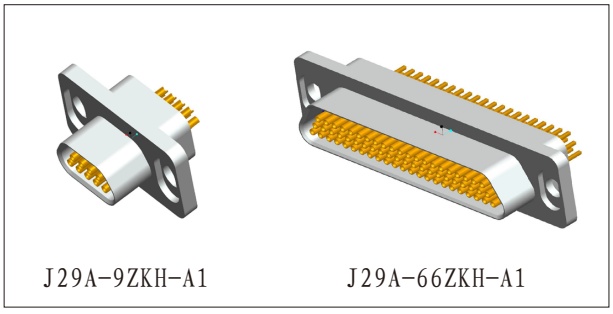
J29A-9, 15, 25, 37, 51, 66 ZKH-A1

Product pictorial view



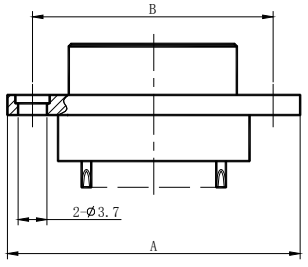
J29A-9TJH-A1 J29A-66TJH-A1

Product pictorial view

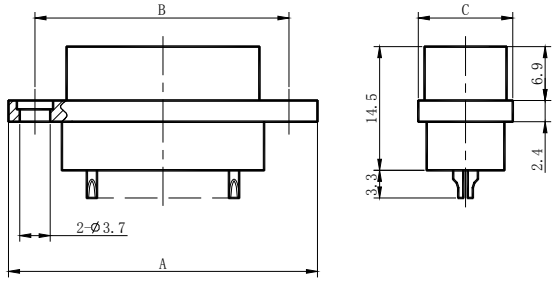


J29A-9ZKH-A1 J29A-66ZKH-A1

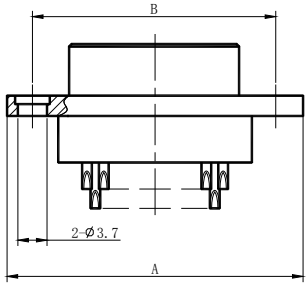
Product outline dimensions



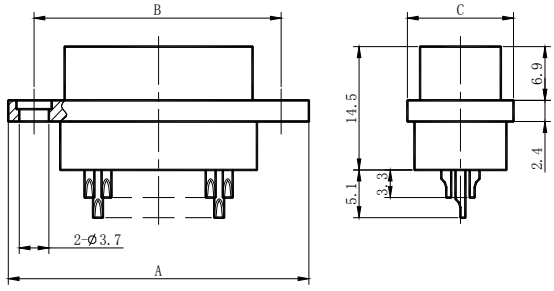
J29A-25, 37 TJH-A1



J29A-25, 37 ZKH-A1



J29A-51TJH-A1



J29A-51ZKH-A1

Plug assembly	A	B	C	Receptacle assembly	A	B	C
J29A-9TJH-A1	26.1	20.1	11	J29A-9ZKH-A1	26.1	20.1	11
J29A-15TJH-A1	31.6	25.6	11	J29A-15ZKH-A1	31.6	25.6	11
J29A-25TJH-A	42	36	11	J29A-25ZKH-A1	42	36	11
J29A-37TJH-A	53.5	47.5	11	J29A-37ZKH-A1	53.5	47.5	11
J29A-51TJH-A	52	46	12.6	J29A-51ZKH-A1	52	46	12.6
J29A-66TJH-A	61.5	55.5	12.6	J29A-66ZKH-A1	61.5	55.5	12.6

J29M Series \ J29M Crimp Series

The sealed version differs from the standard only in potting-chamber height at the tail end; crimp-style contact tails

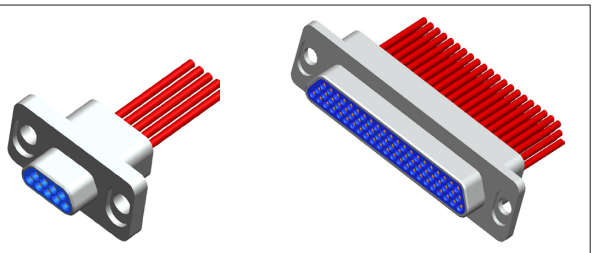
Plug

J29M-9, 15, 25, 37, 51, 66 TJ

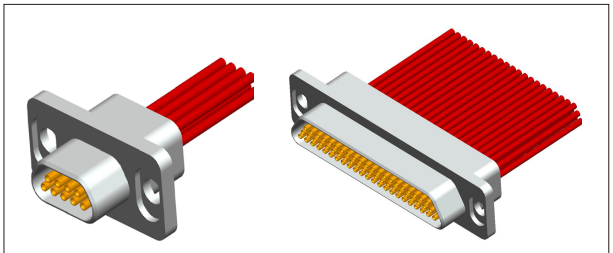
Receptacle

J29M-9, 15, 25, 37, 51, 66 ZK

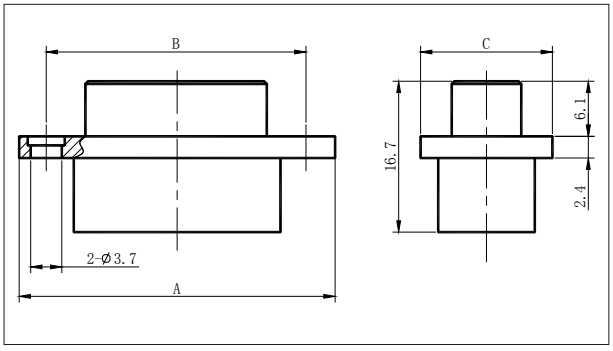
Product pictorial view



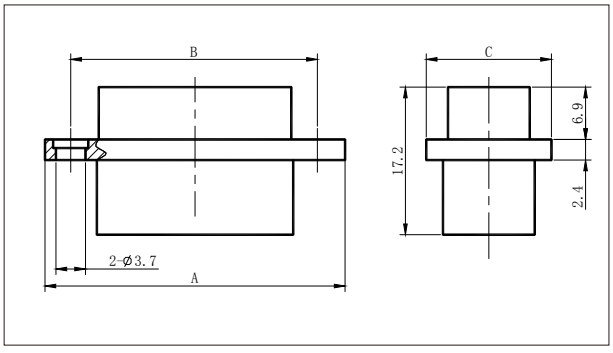
Product pictorial view



Product outline dimensions

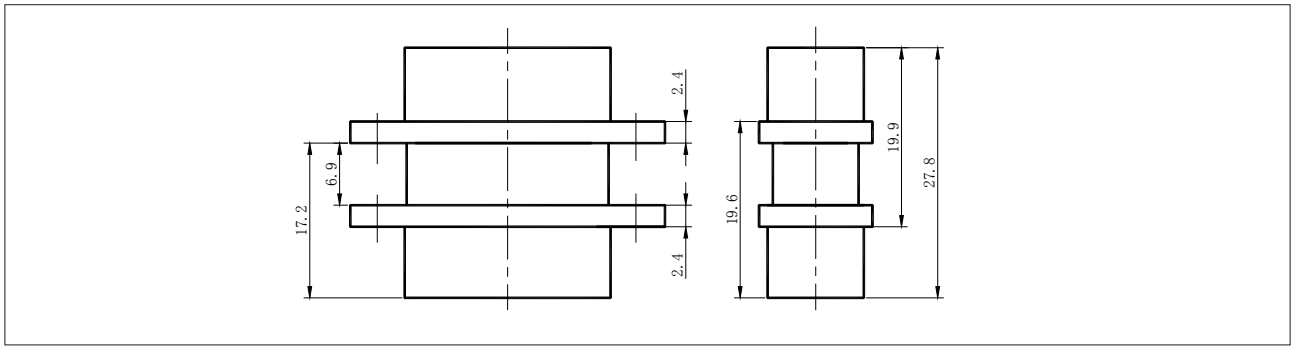


Product outline dimensions



Plug assembly	A	B	C	Receptacle assembly	A	B	C
J29M-9TJ	26.1	20.1	13	J29M-9ZK	26.1	20.1	13
J29M-15TJ	31.6	25.6	13	J29M-15ZK	31.6	25.6	13
J29M-25TJ	42	36	13	J29M-25ZK	42	36	13
J29M-37TJ	53.5	47.5	13	J29M-37ZK	53.5	47.5	13
J29M-51TJ	52	46	14.6	J29M-51ZK	52	46	14.6
J29M-66TJ	61.5	55.5	14.6	J29M-66ZK	61.5	55.5	14.6

Mated outline



J29M Series \ J29M Solder H Series

The sealed version differs from the standard only in potting-chamber height at the tail end; solder-style contact tails

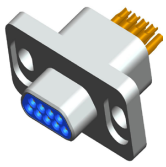
Plug

J29M-9, 15, 25, 37, 51, 66 TJH

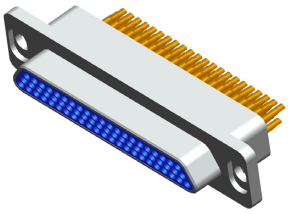
Receptacle

J29M-9, 15, 25, 37, 51, 66 ZKH

Product pictorial view

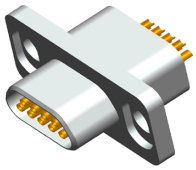


J29M-9TJH

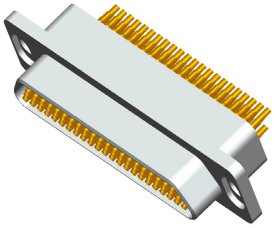


J29M-66TJH

Product pictorial view

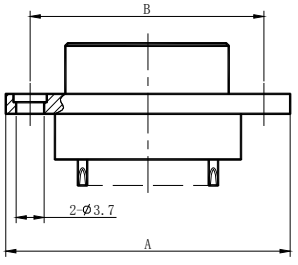


J29M-9ZKH

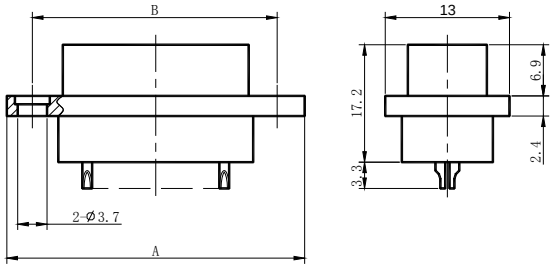


J29M-66ZKH

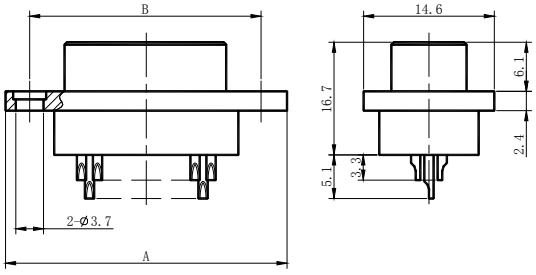
Product outline dimensions



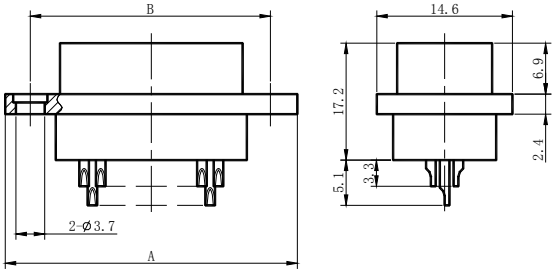
J29M-9, 15, 25, 37 TJH



J29M-9, 15, 25, 37 ZKH



J29M-51, 66 TJH



J29M-51, 66 ZKH

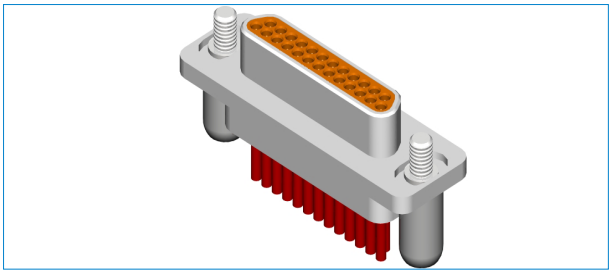
Plug assembly	A	B	Receptacle assembly	A	B
J29M-9TJH	26.1	20.1	J29M-9ZKH	26.1	20.1
J29M-15TJH	31.6	25.6	J29M-15ZKH	31.6	25.6
J29M-25TJH	42	36	J29M-25ZKH	42	36
J29M-37TJH	53.5	47.5	J29M-37ZKH	53.5	47.5
J29M-51TJH	52	46	J29M-51ZKH	52	46
J29M-66TJH	61.5	55.5	J29M-66ZKH	61.5	55.5

J29A Locking Sets \ J29A Free-End Locking Sets

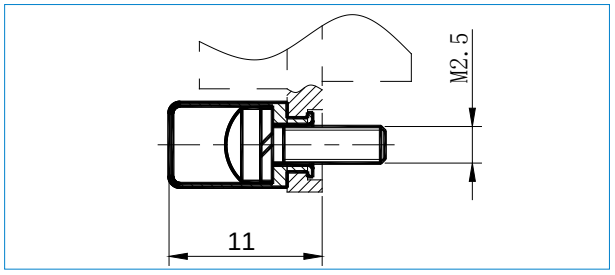
J29A free-end locking sets

L locking set

Assembly diagram



Outline dimensions

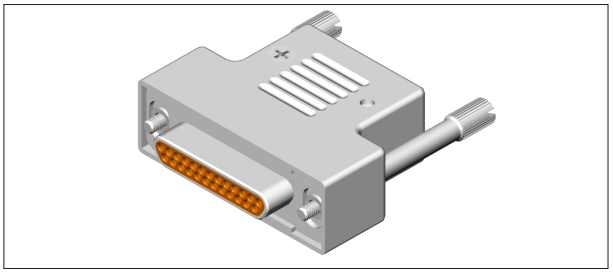


L locking set mating table

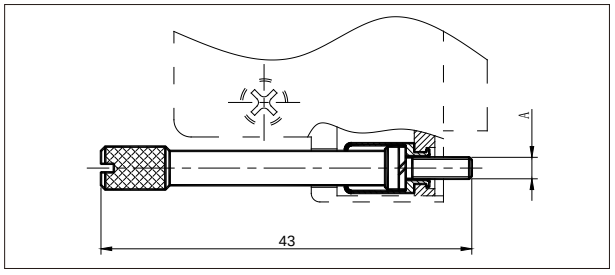
Locking set	Matable fixed-end locking sets
L type	P, P1, P3, P4, P5, P8, P9, P11, P12, P13, P14, P15, P16 types

L1, L2 locking sets

Mounting diagram (backshell assembly fitted in the picture)



Outline dimensions

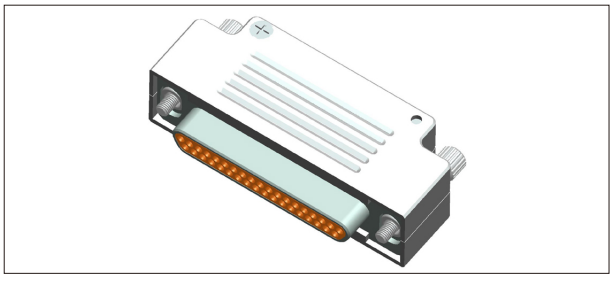


L1, L2 locking set mating table and outline dimensions

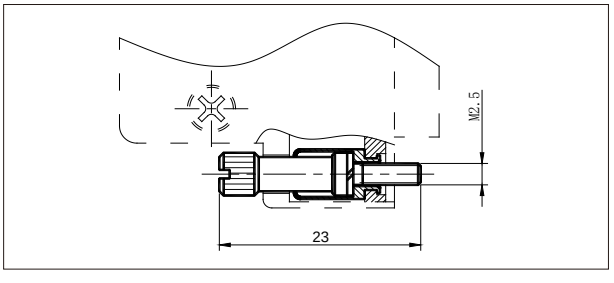
Locking set	Matable fixed-end locking sets	Matable backshell assemblies	A
L1 type	P, P1, P3, P4, P5, P8, P9, P11-P16 types	D, D1, D2 types	M2.5
L2 type	P6 type	D, D1, D2 types	0.099-48UNC-2A

L3 locking set

Mounting diagram (backshell assembly fitted in the picture)



Outline dimensions



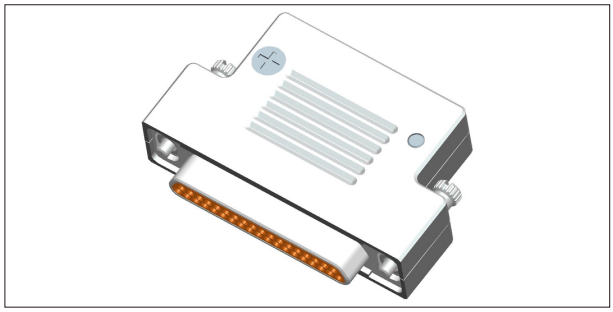
L3 locking set mating table

Free-end locking set	Matable fixed-end locking sets	Matable backshell assemblies
L3 type	P, P1, P3, P4, P5, P8, P9, P11-P16 types	D, D1, D2 types

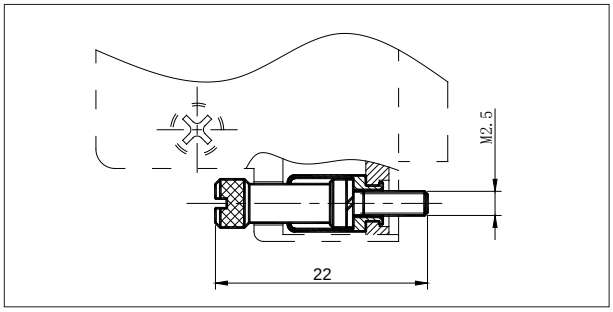
J29A Locking Sets \ J29A Free-End & Fixed-End Locking Sets

L4 locking set

Mounting diagram (backshell assembly fitted in the picture)



Outline dimensions



L4 locking set mating table

Free-end locking set	Matable fixed-end locking sets	Matable backshell assemblies
L4 type	P, P1, P3, P4, P5, P8, P9, P11-P16 types	D, D1, D2 types

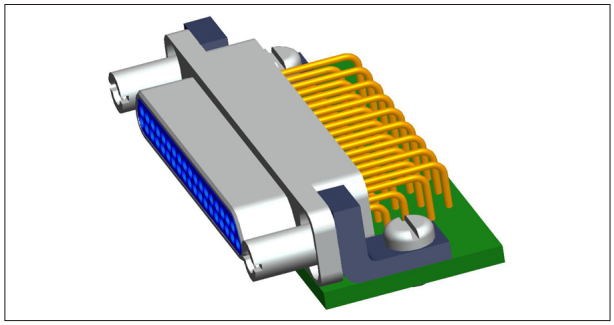
J29A Locking Sets / J29A Fixed-End Locking Sets

P locking set

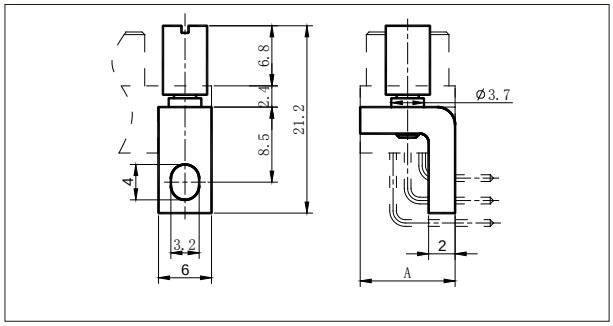
P locking set is for edge mounting of -A right-angle PCB series products; no mounting panel.

P locking set has an insert-nut bracket with a dia. 3.7 circular boss.

Mounting diagram



Outline dimensions



P locking set mating table

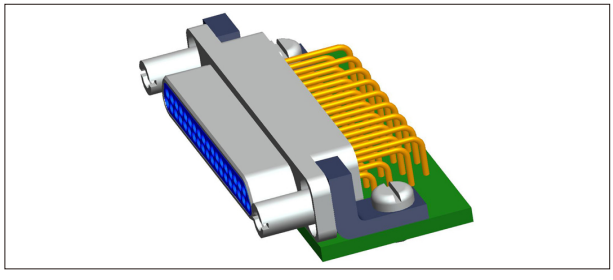
Fixed-end locking set	Matable free-end locking sets	A	Remarks
P type	L, L1, L3, L4 types	8.8	9-37 ways
		10.7	51-66 ways

P15 locking set

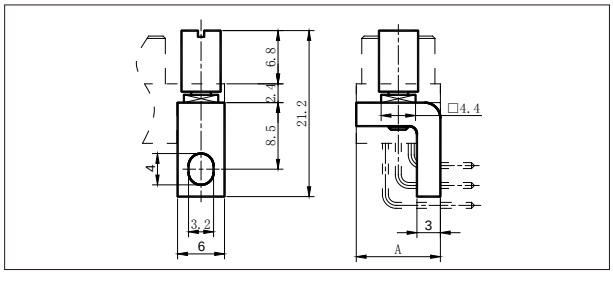
P15 locking set suits edge mounting of J29A-*TJW/ZKW/TJWI/ZKWI right-angle PCB series only; no mounting panel.

P15 locking set has an insert-nut bracket with a 4.4 square boss.

Mounting diagram



Outline dimensions



J29A Locking Sets \ J29A Free-End & Fixed-End Locking Sets

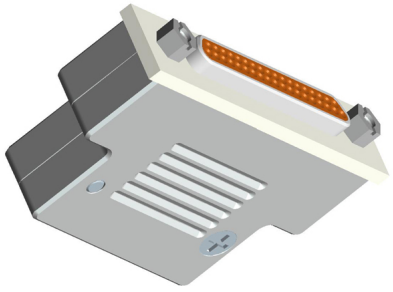
P15 locking set mating table

Fixed-end locking set	Matable free-end locking sets	A	Remarks
P15 type	L, L1, L3, L4 types	13	9-37 ways
		14.6	51-66 ways

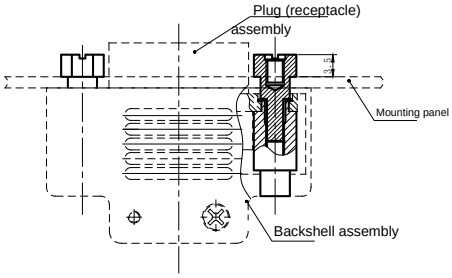
P1 locking set

P1 locking set is mainly for rear-panel mounting of crimp and solder series that take a backshell assembly; panel thickness 2.3 mm

Mounting diagram



Outline dimensions



P1 locking set mating table

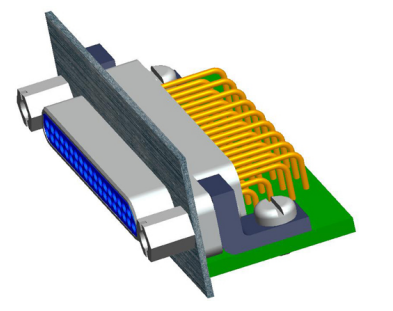
Fixed-end locking set	Matable free-end locking sets	Matable backshell assemblies
P1 type	L, L1, L3, L4 types	D, D1, D2 types

P3, P6 locking sets

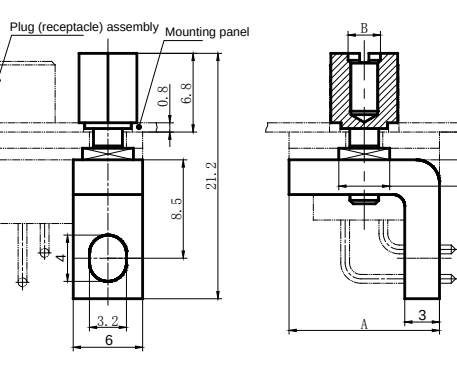
P3 and P6 locking sets suit rear edge mounting of J29A-*TJW/ZKW/TJWI/ZKWI right-angle PCB series only, panel thickness 0.8 mm.

P3 and P6 locking sets have an insert-nut bracket with a 4.4 square boss.

Mounting diagram



Outline dimensions



P3, P6 locking set mating table

Fixed-end locking set	Matable fixed-end locking sets	A	B	Remarks
P3 type (metric thread)	L, L1, L3, L4 types	13	M2.5-6H	9-37 ways
		14.6	M2.5-6H	51-66 ways
P6 type (inch thread)	L2	13	0.099-48UNC-2B	9-34 ways
		14.6	0.099-48UNC-2B	51-66 ways

J29A Locking Sets / J29A Fixed-End Locking Sets

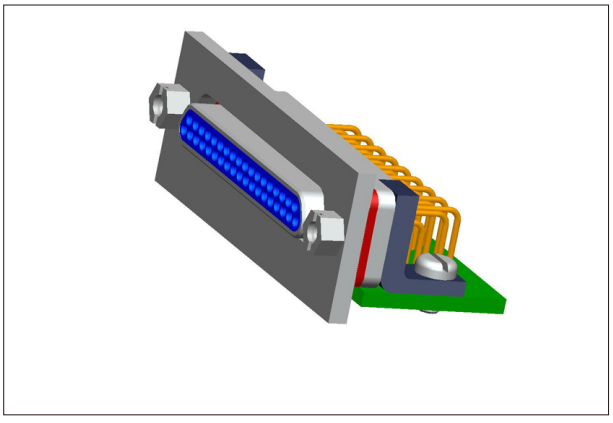
P4, P13 locking sets

P4 locking set suits rear edge mounting of J29A-*TJW/ZKW/TJWI/ZKWI right-angle PCB series only; panel thickness 2.5 mm.

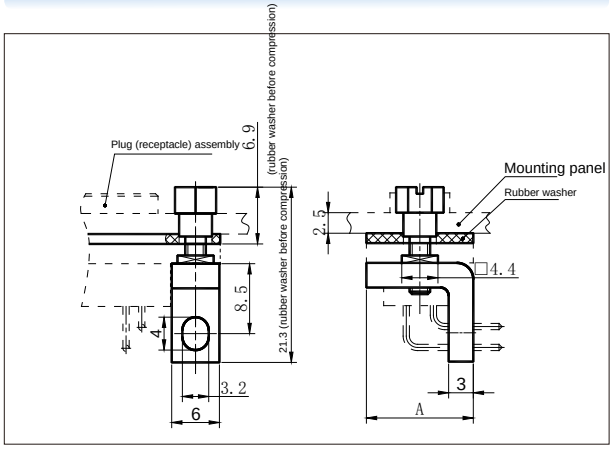
P13 locking set suits rear edge mounting of J29A-*TJW/ZKW/TJWI/ZKWI right-angle PCB series only; panel thickness 2 mm.

P4 and P13 locking sets have an insert-nut bracket with a 4.4 square boss; both come with a rubber washer.

Mounting diagram



Outline dimensions



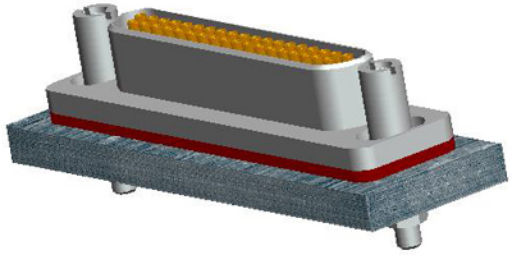
P4, P13 locking set mating table and outline dimensions

Fixed-end locking set	Matable free-end locking sets	A	B	Remarks
P4 type	L, L1, L3, L4 types	13	2.5	9-37 ways
		14.6	2	51-66 ways
P13 type	L, L1, L3, L4 types	13	2.5	9-37 ways
		14.6	2	51-66 ways

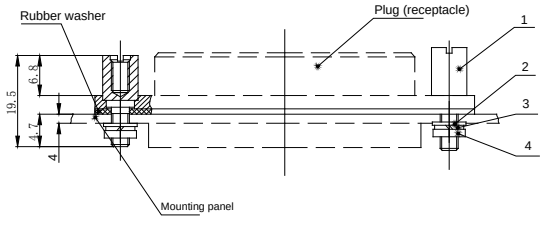
P5 locking set

P5 locking set is for front-panel mounting of J29M sealed products; panel thickness <=4 mm, with conductive rubber washer.

Mounting diagram



Outline dimensions



P5 locking set mating table

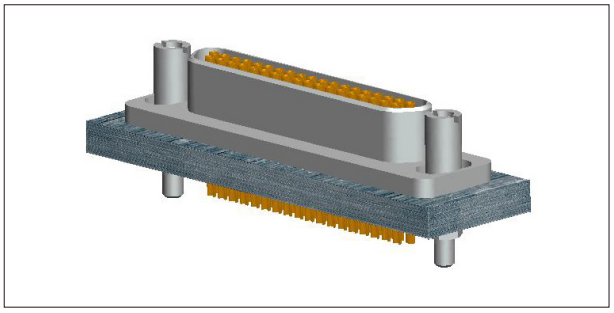
Fixed-end locking set	Matable free-end locking sets
P5 type	L, L1, L3, L4 types

J29A Locking Sets \ J29A Fixed-End Locking Sets

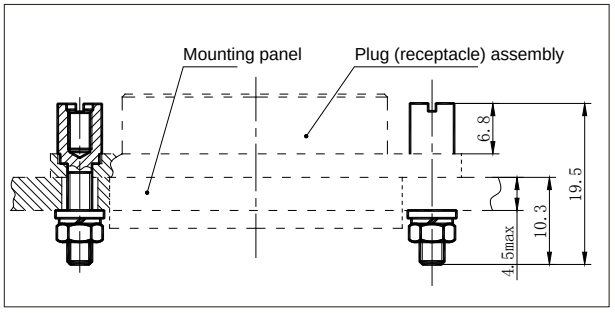
P8 locking set

P8 locking set is mainly for front-panel mounting; panel thickness <=4.5 mm.

Mounting diagram



Outline dimensions



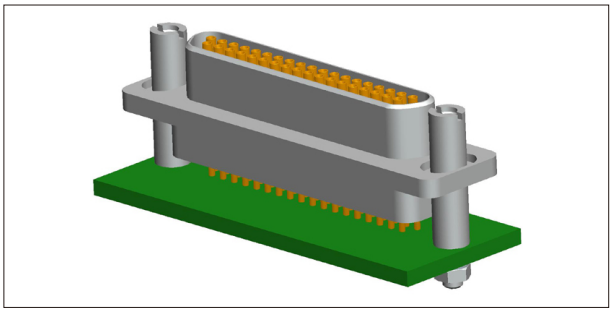
P8 locking set mating table

Fixed-end locking set	Matable free-end locking sets
P8 type	L, L1, L3, L4 types

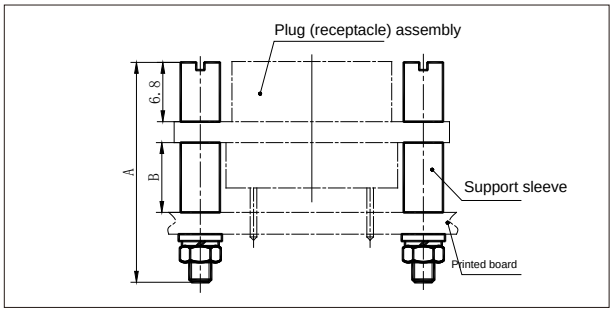
P9, P11 locking sets

P9 locking set suits straight PCB series; PCB thickness <=2.5 mm; with 8 mm support sleeve, no mounting panel.
P11 locking set suits straight PCB series; PCB thickness 2.5-3.5 mm; with 7.2 mm support sleeve, no mounting panel.

Mounting diagram



Outline dimensions



P9, P11 locking set mating table and outline dimensions

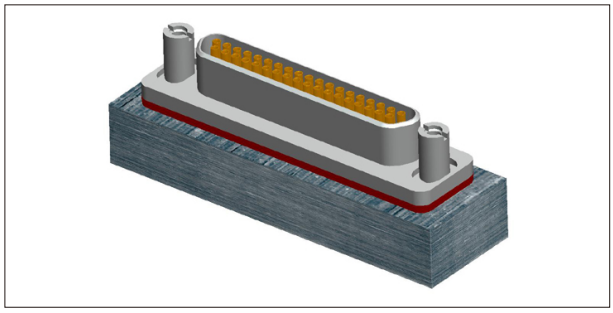
Fixed-end locking set	Matable free-end locking sets	A	B
P9 type	L, L1, L3, L4 types	27	8
P11 type	L, L1, L3, L4 types	24	7.2

J29A Locking Sets \ J29A Fixed-End Locking Sets

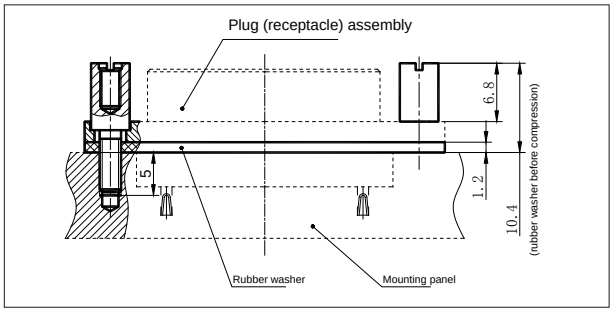
P12 locking set

P12 locking set is mainly for front-panel mounting, with interface sealing; thread depth >=5 mm.

Mounting diagram



Outline dimensions



P12 locking set mating

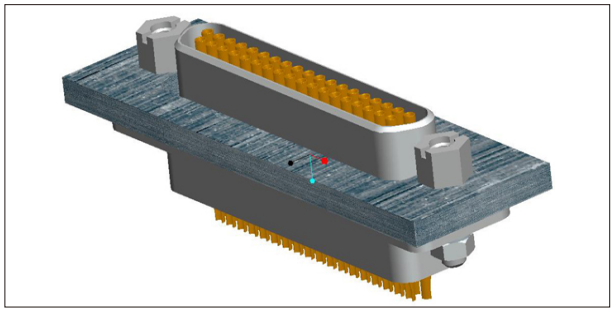
Fixed-end locking set	Matable free-end locking sets
P12 type	L, L1, L3, L4 types

P14, P16 locking set mating

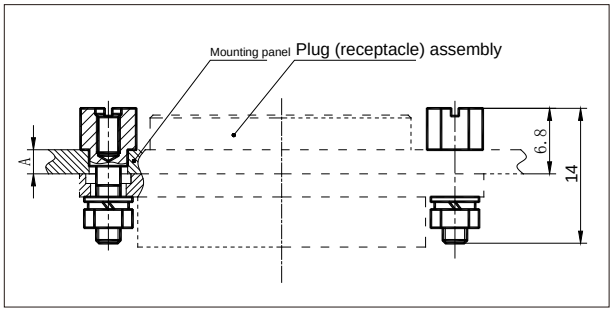
P14 locking set suits rear-panel mounting of crimp and solder series; panel thickness 2-2.5 mm.

P16 locking set suits rear-panel mounting of crimp and solder series; panel thickness 1-1.5 mm.

Mounting diagram



Outline dimensions



P14, P16 locking set mating

Fixed-end locking set	Matable free-end locking sets	A
P14 type	L, L1, L3, L4 types	2-2.5
P16 type	L, L1, L3, L4 types	1-1.5

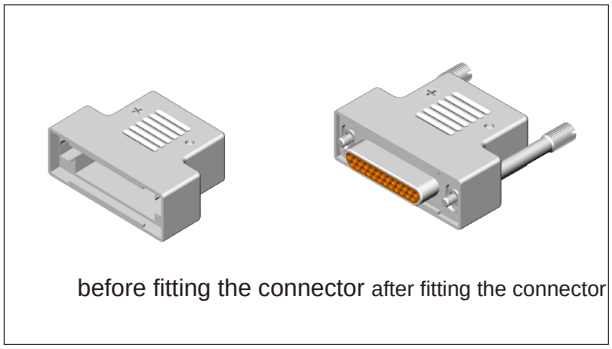
J29A Accessories \ J29A Backshell Assemblies

D backshell assembly

D backshell assembly suits standard crimp and solder series;

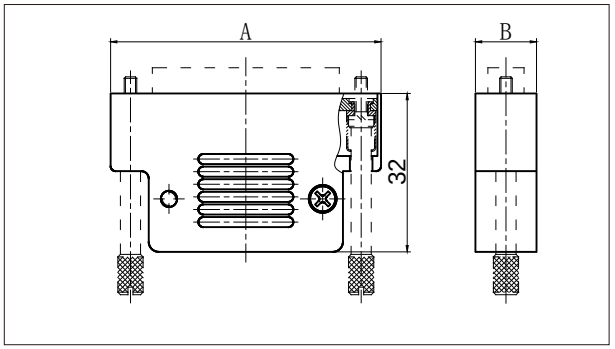
D backshell assembly is a two-piece design with built-in clamp.

D backshell assembly pictorial view



before fitting the connector after fitting the connector

D backshell assembly outline dimensions



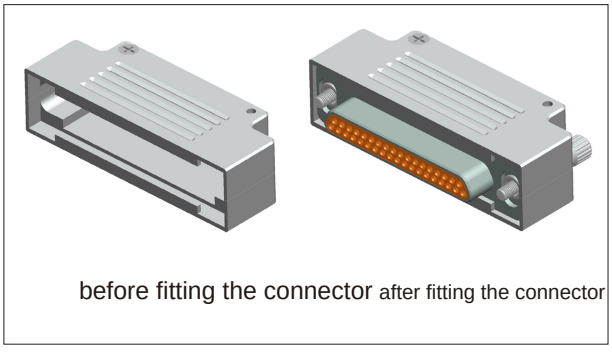
Applicable products	A	B	Applicable products	A	B
J29A-9	27.8	15	J29A-31	49.6	15
J29A-15	33.3	15	J29A-37	55.3	15
J29A-21	38.9	15	J29A-51	53.8	16.6
J29A-25	43.8	15	J29A-66TJ	63.3	16.6

D1 backshell assembly

D1 backshell assembly suits standard crimp series;

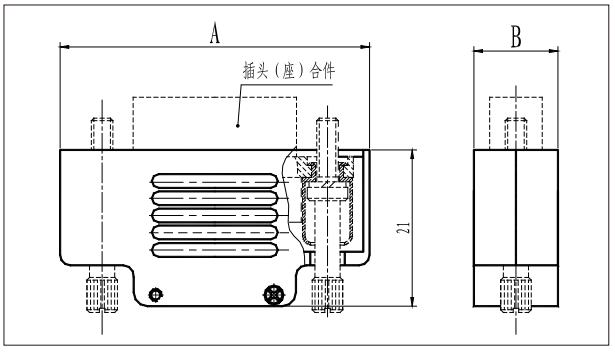
D1 backshell assembly is a two-piece design without clamp.

D1 backshell assembly pictorial view



before fitting the connector after fitting the connector

D1 backshell assembly outline dimensions



Applicable products	A	B	Applicable products	A	B
J29A-9	27.8	15	J29A-31	49.6	15
J29A-15	33.3	15	J29A-37	55.3	15
J29A-21	38.9	15	J29A-51	53.8	16.6
J29A-25	43.8	15	J29A-66TJ	63.3	16.6

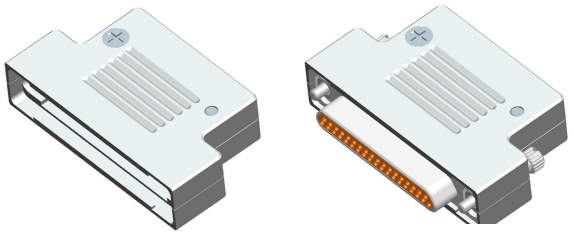
J29A Accessories \ J29A Backshell Assemblies & Panel Cutouts

D2 backshell assembly

D2 backshell assembly suits -A1 crimp and solder series only.

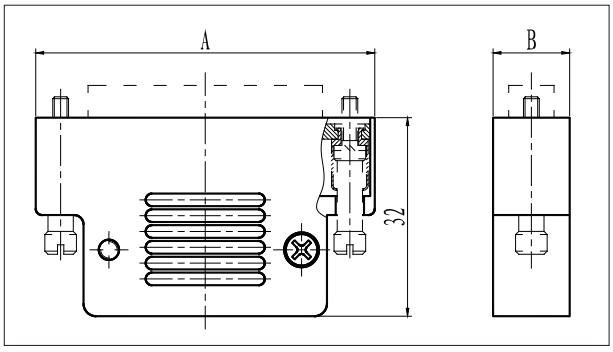
D2 backshell assembly is a two-piece design with built-in clamp.

D2 backshell assembly pictorial view



before fitting the connector after fitting the connector

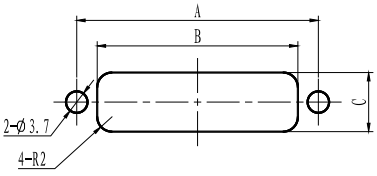
D2 backshell assembly outline dimensions



Applicable products	A	B
J29A-25	43.8	13
J29A-37	55.3	13
J29A-51	53.8	14.6

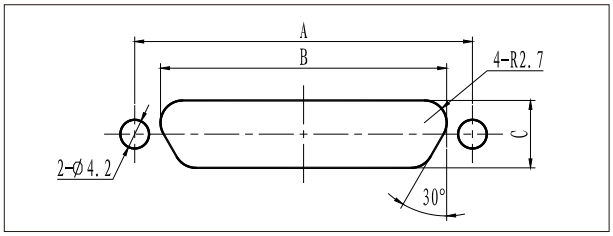
J29A series panel cutout dimensions

Front-mount panel cutout dimensions

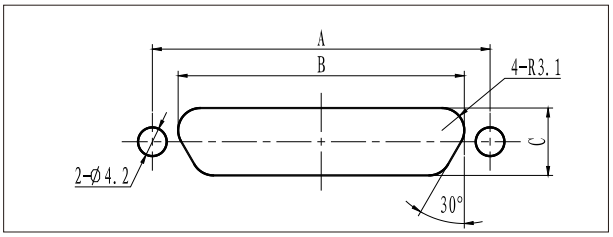


Ordering Information	A	B	C
J29A-9	20.1	14.4	9
J29A-15	25.6	19.9	9
J29A-21	31.3	25.6	9
J29A-25	36	30.1	9
J29A-31	41.8	35.9	9
J29A-37	47.5	41.6	9
J29A-51	46	40.1	10.9
J29A-66	55.5	49.6	10.9

Rear-mount panel cutout dimensions



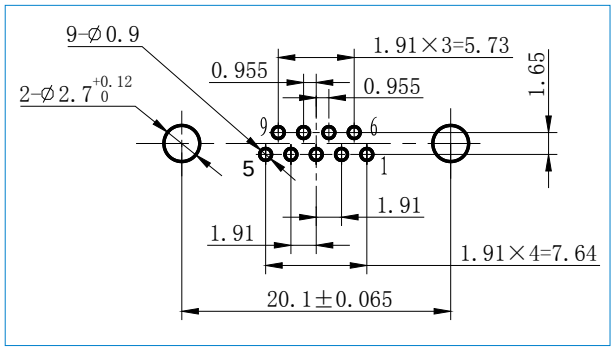
Ordering Information	A	B	C
J29A-9	20.1	13.3	7
J29A-15	25.6	18.8	7
J29A-21	31.3	24.5	7



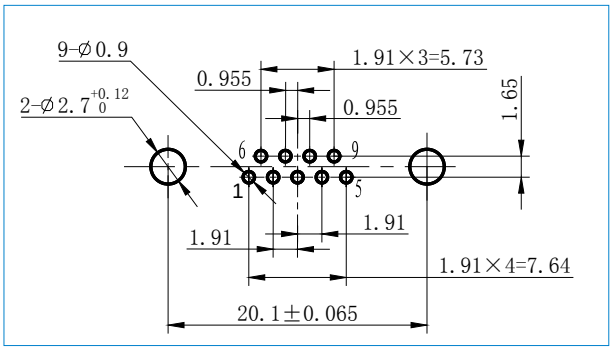
Ordering Information	A	B	C
J29A-25	36	29.2	7.9
J29A-31	41.8	35	7.9
J29A-37	47.5	40.7	7.9
J29A-51	46	39.2	9.6
J29A-66	55.5	48.7	9.6

J29A Series Micro-Rectangular Connector PCB Cutouts \ J29A-N Series

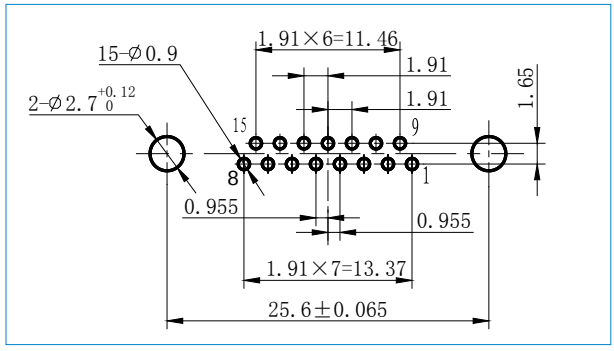
■ J29A-9TJN



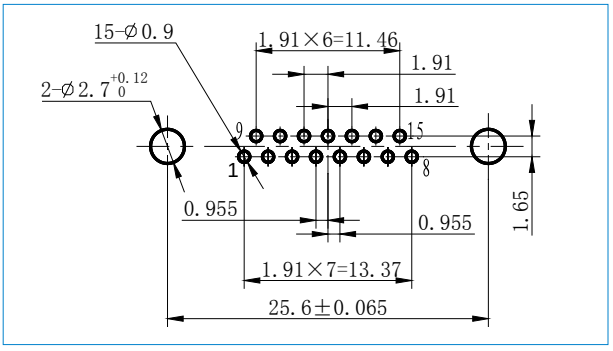
■ J29A-9ZKN



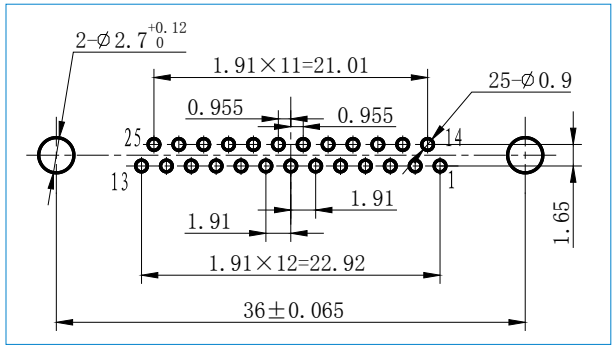
■ J29A-15TJN



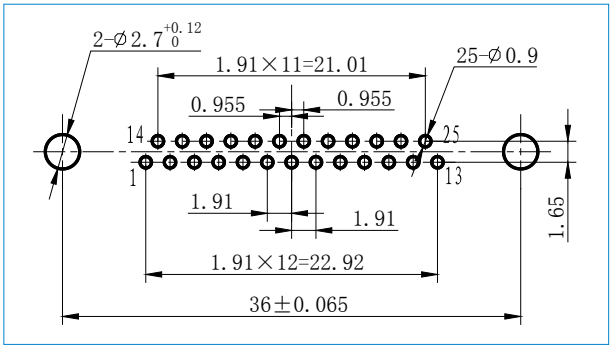
■ J29A-15ZKN



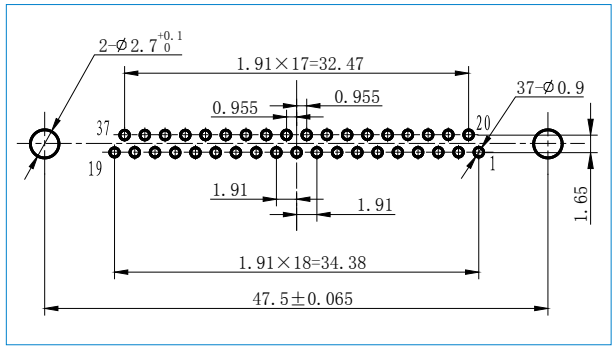
■ J29A-25TJN



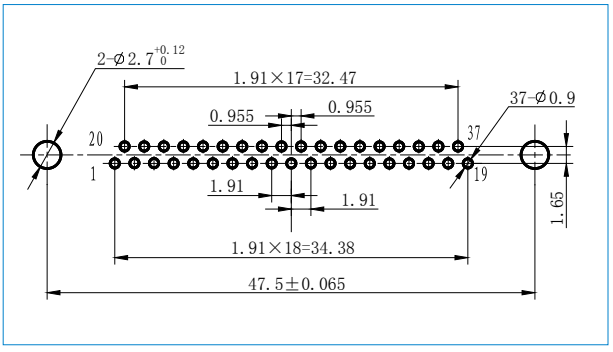
■ J29A-25ZKN



■ J29A-37TJN

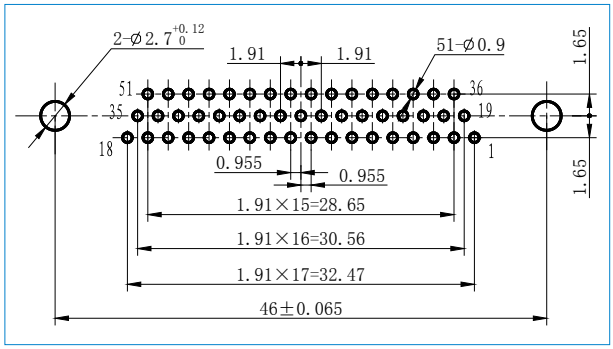


■ J29A-37ZKN

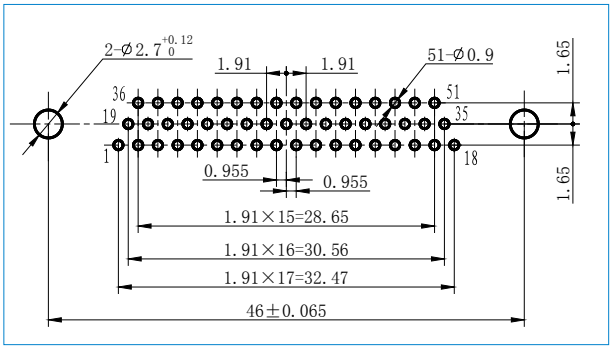


J29A Series Micro-Rectangular Connector PCB Cutouts \ J29A-N Series & J29A-W Series

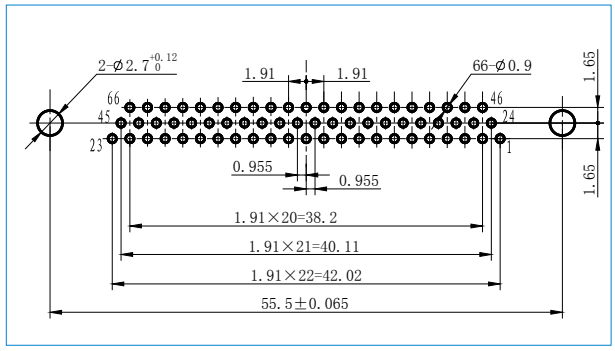
J29A-51TJN



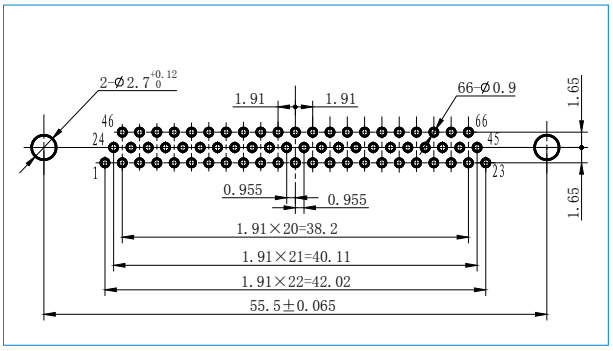
J29A-51ZKN



J29A-66TJN

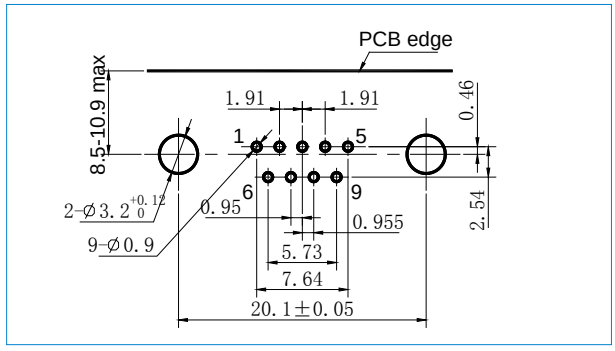


J29A-66ZKN

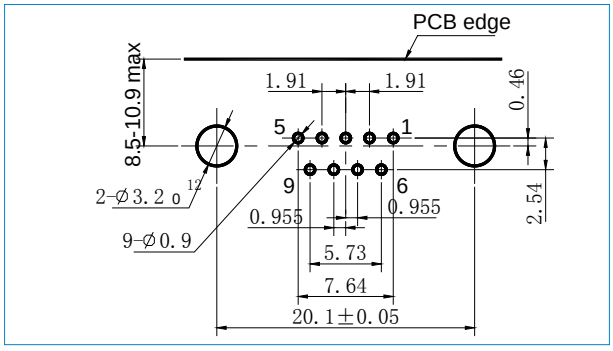


J29A right-angle PCB series

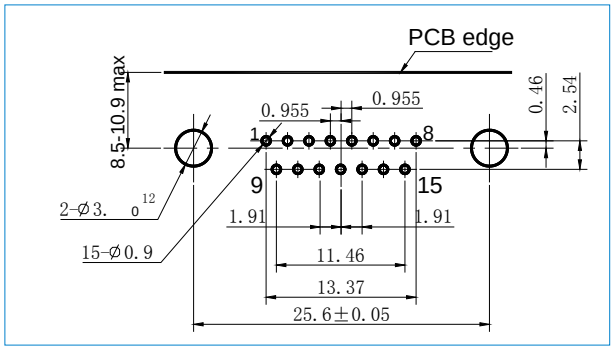
J29A-9TJW, J29A-9TJW-A



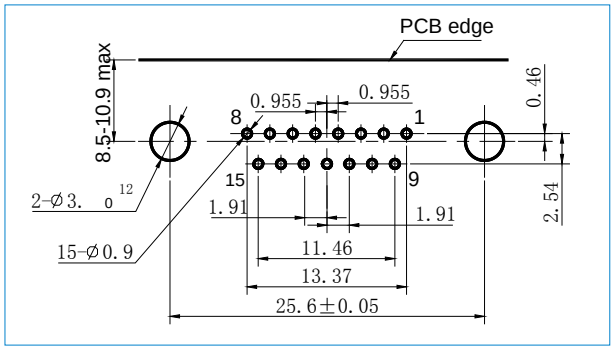
J29A-9ZKW, J29A-9ZKW-A



J29A-15TJW, J29A-15TJW-A

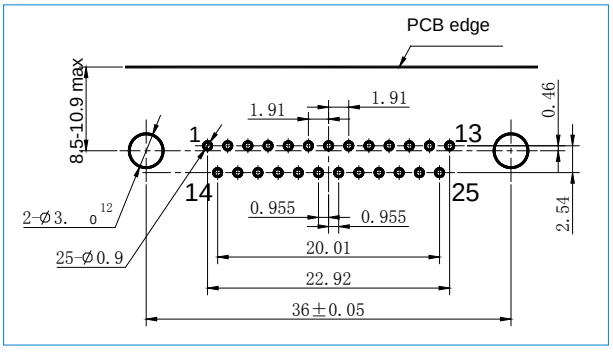


J29A-15ZKW, J29A-15ZKW-A

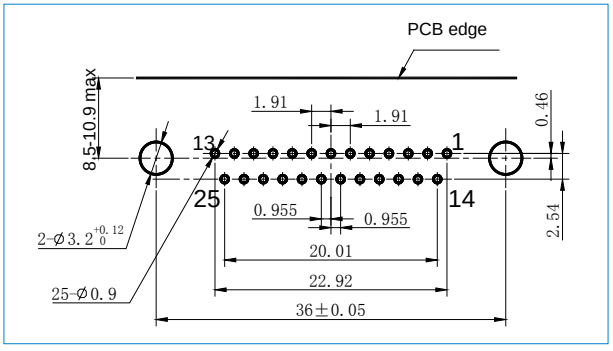


J29A Series Micro-Rectangular Connector PCB Cutouts \ J29A-W Series

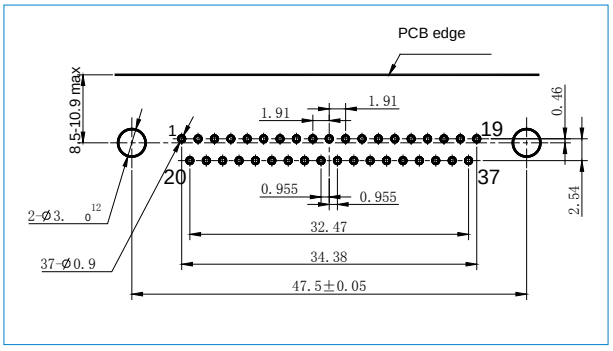
J29A-25TJW, J29A-25TJW-A



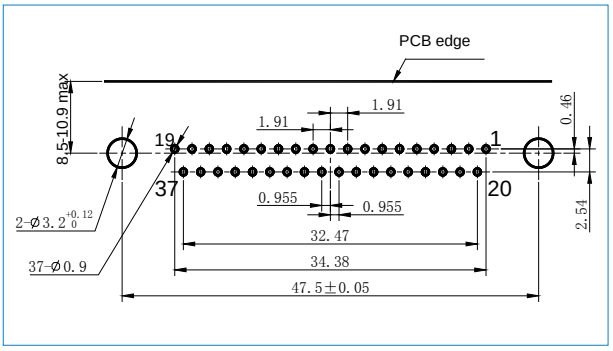
J29A-25ZKW, J29A-25ZKW-A



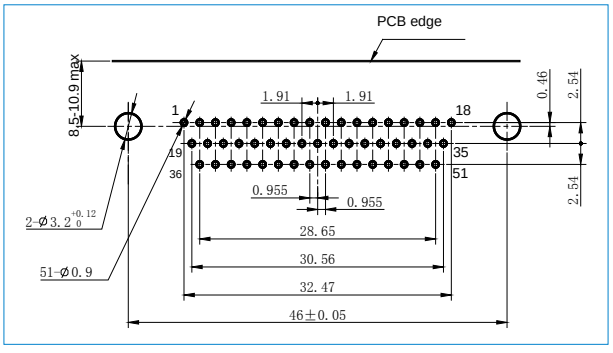
J29A-37TJW, J29A-37TJW-A



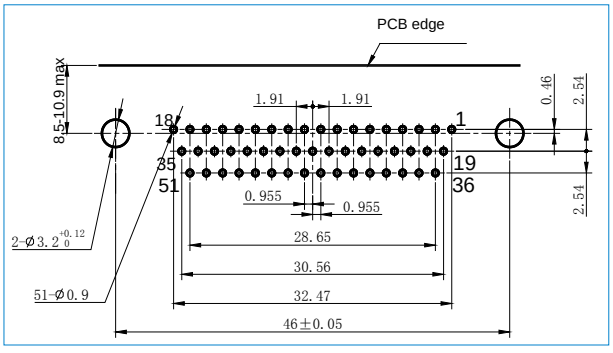
J29A-37ZKW, J29A-37ZKW-A



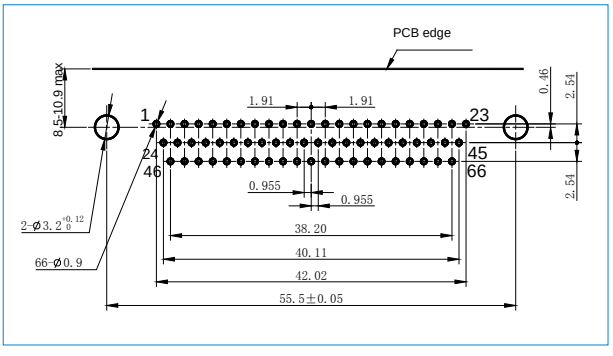
J29A-51TJW, J29A-51TJW-A



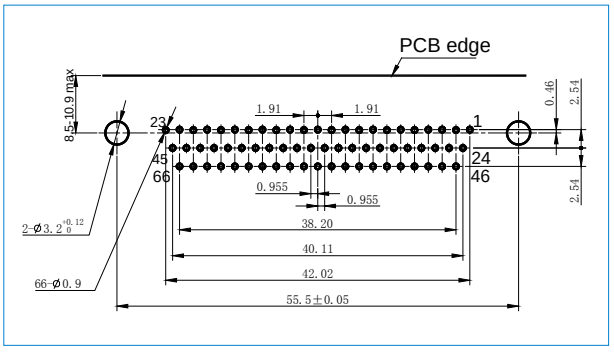
J29A-51ZKW, J29A-51ZKW-A



J29A-66TJW, J29A-66TJW-A



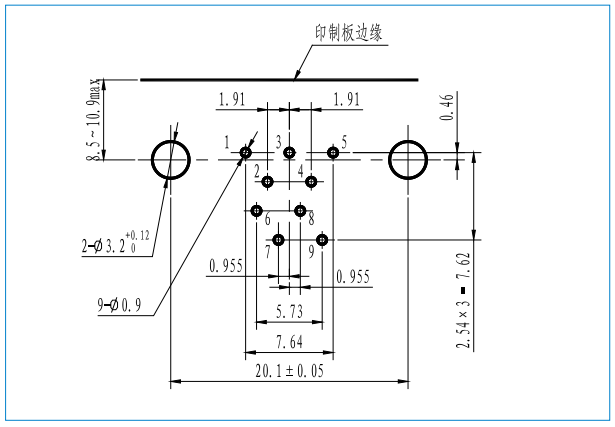
J29A-66ZKW, J29A-66ZKW-A



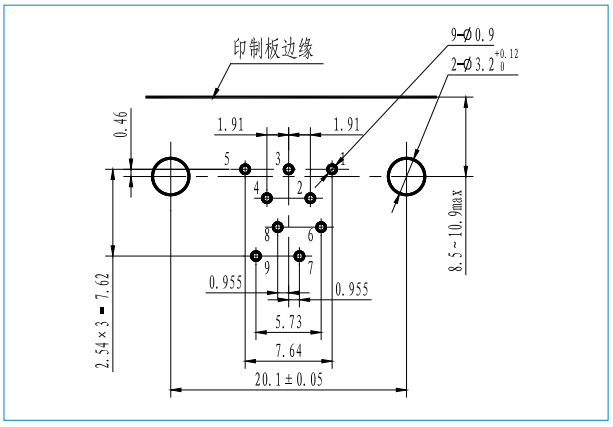
J29A Series Micro-Rectangular Connector PCB Cutouts \ J29A-WI Series

J29A right-angle PCB WI series

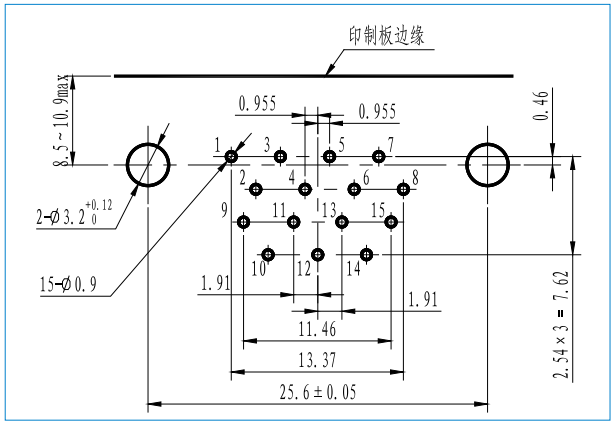
J29A-9TJWI, J29A-9TJWI-A



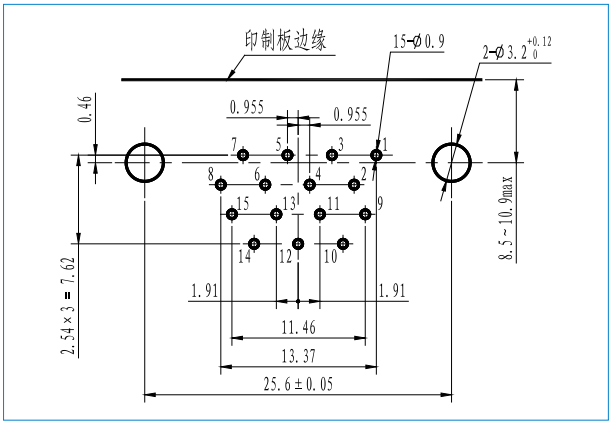
J29A-9ZKWI, J29A-9ZKWI-A



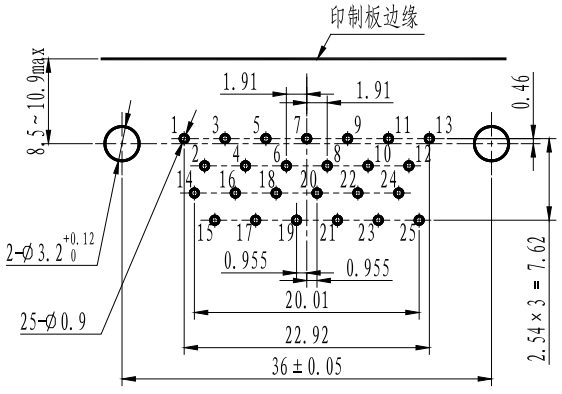
J29A-15TJWI, J29A-15TJWI-A



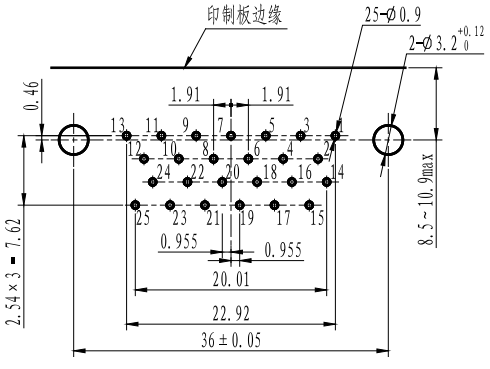
J29A-15ZKWI, J29A-15ZKWI-A



J29A-25TJWI, J29A-25TJWI-A



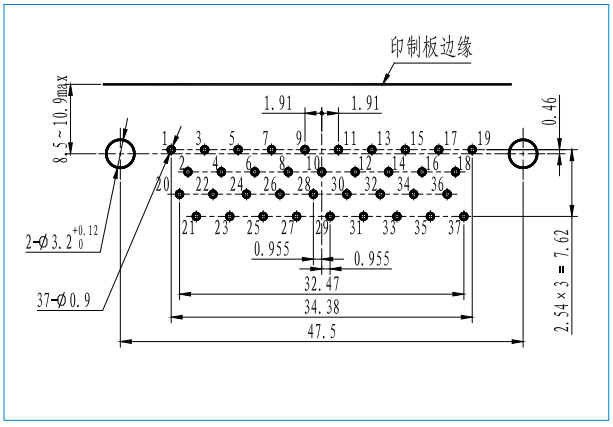
J29A-25ZKWI, J29A-25ZKWI-A



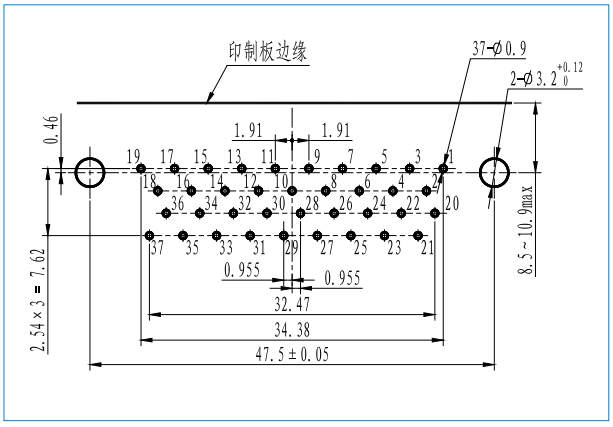
J29A Series Micro-Rectangular Connector PCB Cutouts \ J29A-WI Series

J29A right-angle PCB WI series

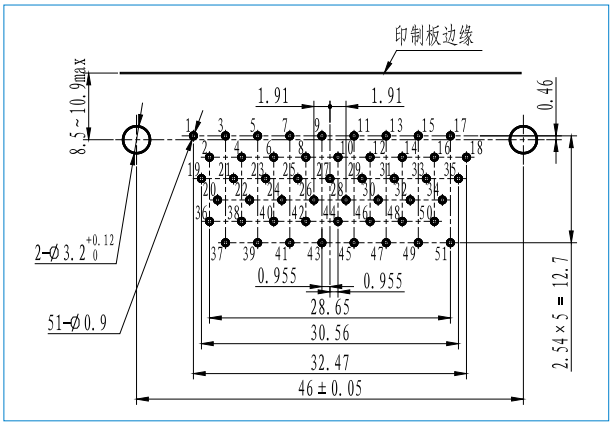
J29A-37TJWI, J29A-37TJWI-A



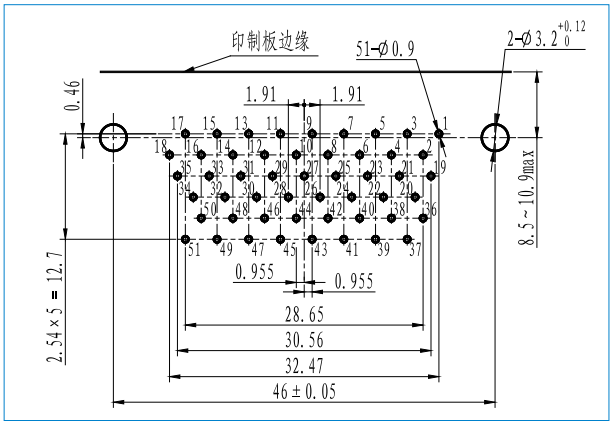
J29A-37ZKWI, J29A-37ZKWI-A



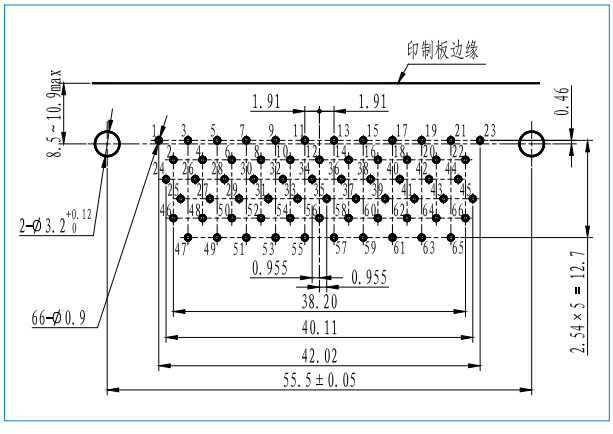
J29A-51TJWI, J29A-51TJWI-A



J29A-51ZKWI, J29A-51ZKWI-A



J29A-66TJWI, J29A-66TJWI-A



J29A-66ZKWI, J29A-66ZKWI-A

