2 Pin to 37+2 Pin | Receptacle



J30J Large and Small Current Mixed Rectangular Connector, N3 Straight PCB Mount, Receptacle, 2 Pin to 37+2 Pin (All Pin Counts Available)

Part Number:

J30J-XX-P-XX-X-P-XXX-N30000

Basic Information

Color	Primary Color
Connector Type	Receptacle
Contact Termination	Soldering
Mounting Type	Free Hanging
Orientation	Straight

Electrical Specification

Contact Resistance	≤10mΩ
Insulation Resistance	≥5000MΩ
Rated Current	20A (High Current Contacts), 3A (Low Current Contacts)
Wire Gauge	0.1-0.15 mm^2 (Low Current Contacts), 2.0 / 3.8 mm^2 (High Current Contacts)
Withstand Dielectric Voltage	800V

Material Specification

Contacts Plating	Gold-plated
Housing Material	Aluminum Alloy
Housing Plating	Nickel-plated

Mechanical Specification

Mating Cycles	500

Environmental Specification

Operating Temperature	-55 to +125 ℃

How to Order

Note: The "X" or "x" in the part numbers on this page are placeholders only, not actual part numbers.

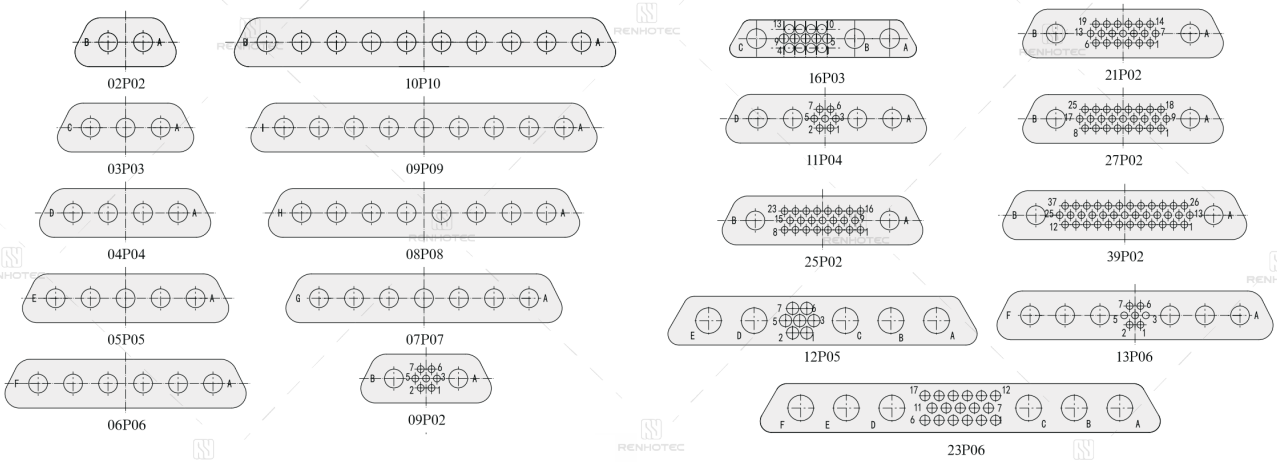
J30J	27P02	J	S	000	S0	000	0
1	2	3	4	5	6	7	8

No.	Code	Description	Options
1	**J30J**	Series / Basic Type	Micro-D Rectangular Connector, Mixed High-Low Current Layout
2	**27P02**	Contact Arrangement	**20A Only** **02P02** — 2×20A **03P03** — 3×20A **04P04** — 4×20A **05P05** — 5×20A **06P06** — 6×20A **07P07** — 7×20A **08P08** — 8×20A **09P09** — 9×20A **10P10** — 10×20A **Mixed 3A + 20A** **09P02** — 7×3A + 2×20A **11P04** — 7×3A + 4×20A **12P05** — 7×3A + 5×20A **13P06** — 7×3A + 6×20A **16P03** — 13×3A + 3×20A **21P02** — 19×3A + 2×20A **23P06** — 17×3A + 6×20A **25P02** — 23×3A + 2×20A **27P04** — 25×3A + 2×20A **39P02** — 37×3A + 2×20A

No.	Code	Description	Options
3	**J**	Low-Current Contact Type	**0** — None **J** — Pin **K** — Socket
4	**S**	High-Current Contact Type	**S** — Socket (Plug) **P** — Pin (Receptacle) Segments 3 and 4 accept only these combinations: **0S**, **0P**, **JS**, **KP**.
5	**000**	Low-Current Termination Style	**000** — None **C00** — Crimp **S00** — Solder **N0x** — Straight PCB **W0x** — Right Angle PCB

No.	Code	Description	Options
6	**S0**	High-Current Termination Style	**C0** — Crimp **S0** — Solder **Nx** — Straight PCB **Wx** — Right Angle PCB Should match Segment 5; solder and crimp can be mixed on request (e.g., **S00C0**, **C00S0**).
7	**000**	Locking Hardware Type	**000** — None **L00** — Free-end Locking Assembly **K00** — Free-end Locking Assembly, Hand-tightenable **P** — Fixed-end Locking Assembly Fixed-end assemblies come in multiple codes (P00–P54) covering different mounting methods and panel thicknesses.
8	**0**	Shell Type	**0** — Standard, Nickel-plated Aluminum Alloy **1** — Stainless Steel **M1** — Marine-grade Stainless Steel

Contact Layout



Disclaimer

The information in this specification is subject to change without notice. Please confirm the latest version before use. Technical parameters are for reference only, and sufficient testing and verification should be conducted in actual applications.