



precidip

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PIN CONNECTORS 2 mm

SINGLE ROW / DOUBLE ROW / SURFACE MOUNT

"Hard metric" PCB pin connectors, SMD mount.

TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 43)

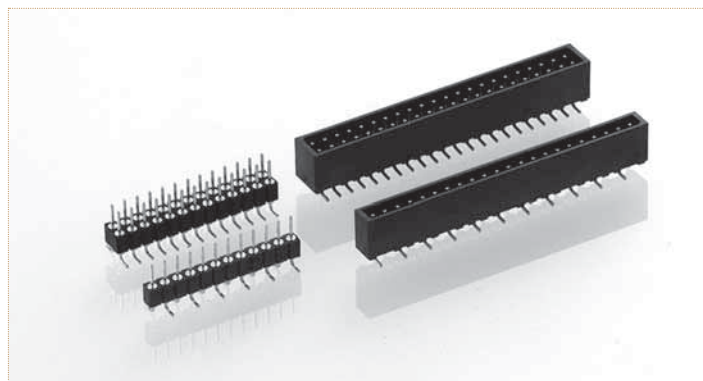
INSULATOR	Black glass filled polymer LCP-GF30-FR
FLAMMABILITY	UL 94V-0
CONTACT	Brass CuZn36Pb3 (C36000)
CONNECTING PIN Ø	0.47 mm
MECHANICAL LIFE	Min. 500 cycles
RATED CURRENT	3 A
DIELECTRIC STRENGTH	Min. 1'000 V _{RMS}
COPLANARITY SMD TERMINATIONS	Max. 0.1 mm (measured on 25 mm long connectors)

For corresponding socket connectors, see pages 57-63.

ORDERING INFORMATION ROHS COMPLIANT PARTS

PP PLATING CODE	TERMINATION	CONNECTING PIN
10	0.25 µm gold	0.25 µm gold
80	Tin	Tin
V3*	Tin	0.75 µm gold

*only for 830/832...32-002101 series



Other plating on request (see page 178 for plating specs).

NNN number of poles. Replace **NNN** with the requested number of poles, e.g. 830-10-**NNN**-30-001101 for a single row version with 8 pins becomes 830-10-**008**-30-001101.

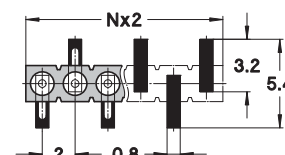
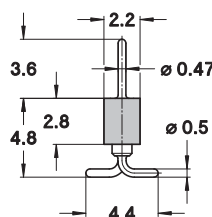
830-PP-NNN-30-001101

SMD pin connector, single row, perpendicular mount

AVAILABILITY FROM 3 to 50 contacts
(standard number of contacts: 50)
For connectors having more than 12 contacts, the coplanarity issue is to be addressed specifically



T & R Packaging



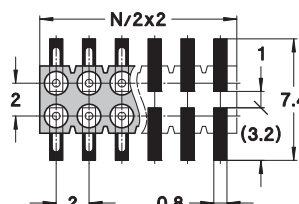
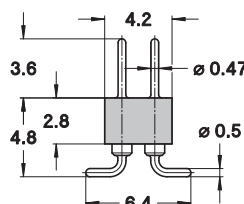
832-PP-NNN-30-001101

SMD pin connector, double row, perpendicular mount

AVAILABILITY FROM 4 to 100 contacts
(Standard number of contacts: 100)
For connectors having more than 12 contacts per row, the coplanarity issue is to be addressed specifically



T & R Packaging



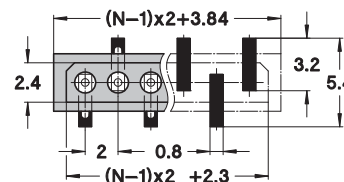
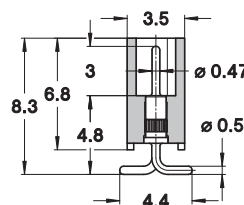
830-V3-NNN-32-002101

SMD pin connector, single row, perpendicular mount, shrouded and polarised

AVAILABILITY 22 contacts
Other pin number on request
For connectors having more than 12 contacts per row, the coplanarity issue is to be addressed specifically



T & R Packaging



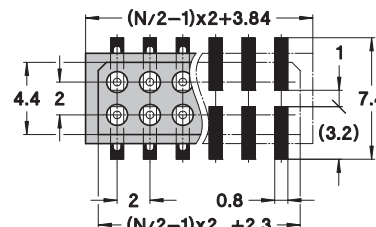
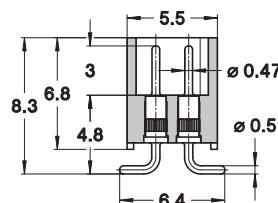
832-V3-NNN-32-002101

SMD pin connector, double row, perpendicular mount, shrouded and polarised

AVAILABILITY 26 and 44 contacts
Other pin number on request
For connectors having more than 12 contacts per row, the coplanarity issue is to be addressed specifically



T & R Packaging





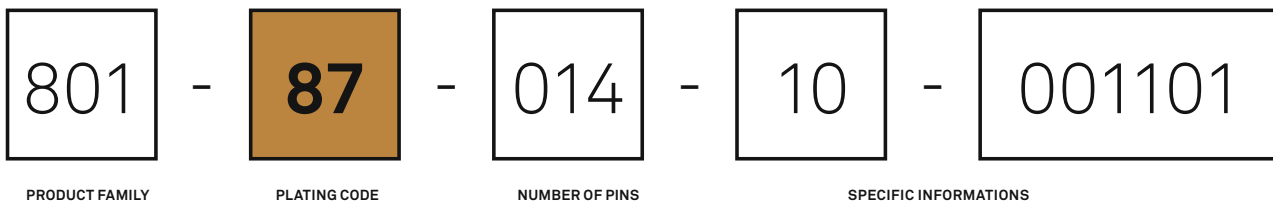
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GENERAL INFORMATION

PART NUMBERS AND PRODUCT IDENTIFICATION

PRECIDIP products are all identified with a unique part number. These numbers are built with up to 5 groups of digits separated by dashes. Each of these groups has its own signification, making it possible to identify the major characteristics of the product from the part number.

Please find below a brief explanation of PRECIDIP identification codes for connectors and sockets:



PRODUCT FAMILY

- | | |
|--------------------|---------------------------------|
| • 81 x, 8Px | Spring-loaded connectors |
| • 1 xx, 2 xx | DIL sockets |
| • 3 xx, 4 xx, 8 xx | PCB connectors |
| • 5 xx | BGA, PGA and PLCC sockets |
| • 6 xx, 7 xx | Carriers |
| • 9 xx | Circular connectors, TO sockets |

PLATING CODE

The standard plating codes are listed and specified in the catalog section Contacts under General technical specifications at page 178.
Tin-plated PRECIDIP products had to be changed to become RoHS compliant and have received a new part number to allow clear identification. Tin-lead plating was replaced by pure tin plating and the old plating code 9x was replaced by 8x.

NUMBER OF PINS

These figures indicate always the total number of contacts of the product.

SPECIFIC INFORMATION

The last two groups of digits can have different significations depending on the product family:

- | | | | | |
|--|------------------------------------|------------------------|-----|----------|
| • Type of terminations (PCB connectors): | 10 | Straight solder pin | | |
| | 20 | Right angle solder pin | | |
| | 30 and 40 | SMD | | |
| | 5x | Wire-wrap | | |
| | 6x | Solderless press fit | | |
| • Type of clip (DIL sockets): | 00 | no clip | 4 x | 4 finger |
| | 31 | 3 finger | 6 x | 6 finger |
| • Packaging versions: | 003101 for box or tube packaging | | | |
| | 003191 for Tape and Reel packaging | | | |

EXAMPLES

- 114-87-628-41-134191: DIL socket, 28 pins, 4 finger clip, tape and reel packaging
803-87-014-10-003101: PCB connectors, 14 pins, with straight solder pins, box packaging

ROHS-COMPLIANT PLATING

All products displayed in this catalog are compliant with the European Directive 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Please note that standard PRECIDIP RoHS-compliant parts are additionally identified with a green dot on the packaging.