preci-dip

SOCKET CONNECTORS 2 mm
SINGLE ROW / DOUBLE ROW / SOLDER TAIL

"Hard metric" PCB socket connectors, solder tail.

TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 43)

INSULATOR	Black glass filled polymer LCP-GF30-FR
FLAMMABILITY	UL 94V-O
SLEEVE	Brass CuZn36Pb3 (C36000)
CONTACT CLIP (6 FINGER)	Beryllium copper (C17200)
MATING PINS	Ø 0.40 to 0.66 mm, ☐ 0.50 mm
FORCES	0.7 N typ. insertion 0.4 N typ. withdrawal (polished steel gauge Ø 0.46 mm)
MECHANICAL LIFE	Min. 500 cycles
RATED CURRENT	3 A
CONTACT RESISTANCE	Max. 10 m
DIELECTRIC STRENGTH	Min. 1'000 V$_{RMS}$

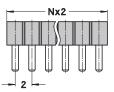For corresponding pin connectors, see pages 64-68.

Other plating on request (see page 178 for plating specs).
NNN number of poles. Replace **NNN** with the requested number of poles, e.g. 833-87-**NNN**-10-001101 for a double row version with 16 pins becomes 833-87-**016**-10-001101.

ORDERING INFORMATION ROHS COMPLIANT PARTS

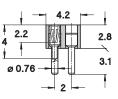| PP PLATING CODE	SLEEVE	CLIP
87	Tin	Flash gold
83	Tin	0.75 µm gold

831-**PP**-**NNN**-10-273101
Straight socket connector, low profile height 2.8 mm, solder tail, single row

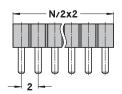**AVAILABILITY FROM**   2 to 50 contacts
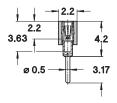(standard number of contacts: 50)

833-**PP**-**NNN**-10-273101
Straight socket connector, low profile height 2.8 mm, solder tail, double row

AVAILABILITY FROM   4 to 100 contacts
(standard number of contacts: 100)

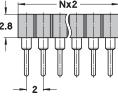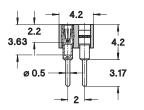### 831-**PP**-**NNN**-10-001101
Straight socket connector, height 4.2 mm, solder tail, single row

AVAILABILITY FROM   2 to 50 contacts
(standard number of contacts: 50)

833-**PP**-**NNN**-10-001101
Straight socket connector, height 4.2 mm, solder tail, double row

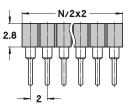**AVAILABILITY FROM**   4 to 100 contacts
(standard number of contacts: 100)

Due to technical progress, all information provided is subject to change without prior notice.

preci-dip

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PART NUMBERS AND PRODUCT IDENTIFICATION

PRECI-DIP 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.
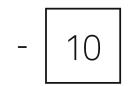
Please find below a brief explanation of PRECI-DIP identification codes for connectors and sockets:

801	-	**87**	-	014	-	10	-	001101
PRODUCT FAMILY		PLATING CODE		NUMBER OF PINS			SPECIFIC INFORMATIONS	

PRODUCT FAMILY
- 81 x, 8P x   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 PRECI-DIP 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 INFORMATIONS
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 PRECI-DIP RoHS-compliant parts are additionally identified with a green dot on the packaging.