preci-dip

SOCKET CONNECTORS 2.54 mm

MATING PIN Ø 0.76 mm / SINGLE ROW / DOUBLE ROW / SURFACE MOUNT

Socket connectors, SMD perpendicular mount.

TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 43)

INSULATOR	Black glass filled polyester PCT-GF30-FR
FLAMMABILITY	UL 94V-O
SLEEVE	Brass CuZn36Pb3 (C36000)
CONTACT CLIP (6 FINGER)	Beryllium copper (C17200)
MATING PINS	Ø 0.70 to 0.90 mm, ⬜ 0.635 mm
FORCES	1.2 N typ. insertion 0.6 N typ. withdrawal (polished steel gauge Ø 0.76 mm)
MECHANICAL LIFE	Min. 500 cycles
RATED CURRENT	3 A
CONTACT RESISTANCE	Max. 10 m
DIELECTRIC STRENGTH	Min. 1'000 Vrms
COPLANARITY SMD TERMINATIONS	Max. 0.1 mm (measured on 25 mm long connectors)

For corresponding pin connectors, see pages 109-119.

ORDERING INFORMATION ROHS COMPLIANT PARTS

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

Other plating on request (see page 178 for plating specs).
NNN number of poles. Replace **NNN** with the requested number of poles, e.g. 803-87-**NNN**-30-002101 for a double row version with 16 pins becomes 803-87-**016**-30-002101.

801-**PP**-**NNN**-30-480101

SMD socket connector, single row, perpendicular mount with self-levelling floating contacts

AVAILABILITY FROM

See page 43

T & R Packaging

2 to 12 contacts
(standard number of contacts: 12)
For connectors having more than 9 contacts, the coplanarity issue is to be addressed specifically

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803-**PP**-**NNN**-30-480101

SMD socket connector, double row, perpendicular mount with self-levelling floating contacts

AVAILABILITY FROM

See page 43

T & R Packaging

4 to 64 contacts
(standard number of contacts: 64)
For connectors having more than 9 contacts per row, the coplanarity issue is to be addressed specifically

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801-**PP**-**NNN**-30-002101

SMD socket connector, single row, perpendicular mount with gull-wing terminations

AVAILABILITY FROM

See page 43

T & R Packaging

3 to 64 contacts
(standard number of contacts: 64)
For connectors having more than 9 contacts, the coplanarity issue is to be addressed specifically

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803-**PP**-**NNN**-30-002101

SMD socket connector, double row, perpendicular mount with gull-wing terminations

AVAILABILITY FROM

See page 43

T & R Packaging

4 to 72 contacts
(standard number of contacts: 40 and 72)
For connectors having more than 9 contacts per row, the coplanarity issue is to be addressed specifically

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

preci-dip

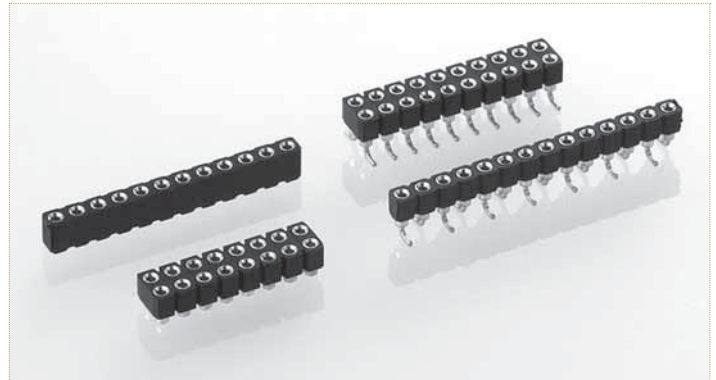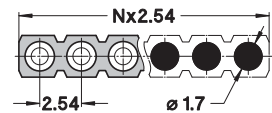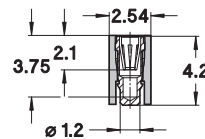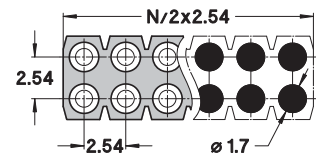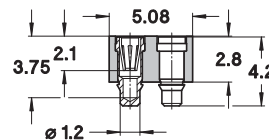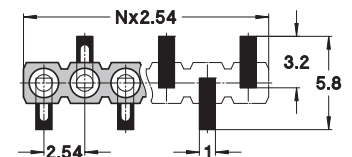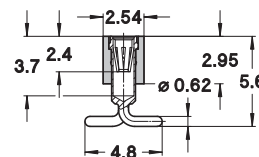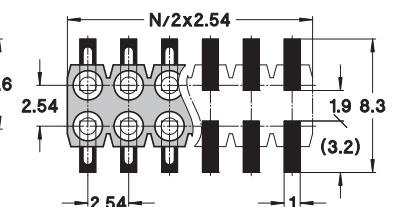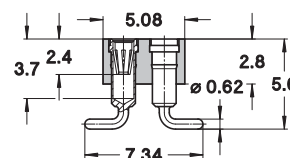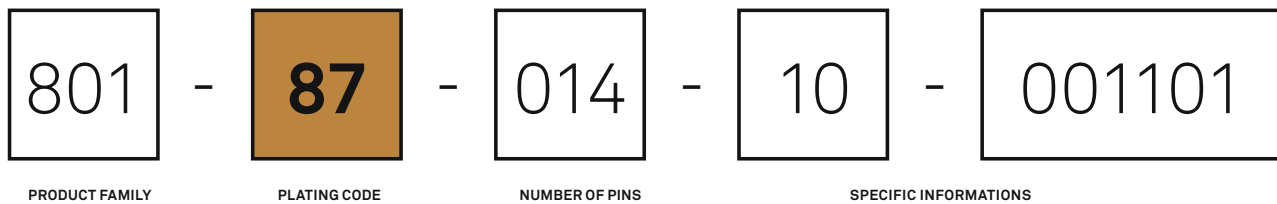WWW.PRECIDIP.COM   TEL +41 32 421 04 00   SALES@PRECIDIP.COM

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.