



preci-dip

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

# SPRING-LOADED CONNECTORS

2.54 mm GRID / SINGLE ROW / DOUBLE ROW / SURFACE MOUNT

Connectors with spring-loaded contacts (SLC), surface mount.

## TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 31)

<b>INSULATOR</b>	Black glass filled polyester PCT-GF30-FR		
<b>FLAMMABILITY</b>	UL 94V-0		
<b>PISTON AND BARREL</b>	Brass CuZn36Pb3 (C36000)		
<b>SPRING</b>	<b>8PM...131</b> Music wire DIN 17723, gold plated	<b>8PM...219</b> Stainless steel X12 CrNi177, DIN 17224	<b>8PM...260</b> Stainless steel X12 CrNi177, DIN 17224
<b>MAX. STROKE</b>	1.5 mm	1 mm	1.5 mm
<b>FORCES</b>	0.2 N initial 0.9 N at 1/2 stroke	0.25 N initial 0.95 N at 1/2 stroke	0.25 N initial 0.6 N at 1/2 stroke
<b>MECHANICAL LIFE</b>	50'000 cycles	50'000 cycles	100'000 cycles
<b>OPERATING CURRENT</b>	Max. 3 A	Max. 3 A	Max. 3 A
<b>CONTACT RESISTANCE</b>	10 mΩ (static measurement, halfway position)	10 mΩ	15 mΩ
<b>COPLANARITY</b>	Max 0.1 mm (measured on 25 mm long connectors)		



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

**NN number of poles.** Replace **NN** with the requested number of poles, e.g. 8PM-11-00**NN**-02-131 with 5 pins becomes 8PM-11-00**05**-02-131.

## ORDERING INFORMATION ROHS COMPLIANT PARTS

<b>PLATING CODE</b>	<b>BARREL</b>	<b>PISTON</b>
11	0.25 μm gold	0.25 μm gold
SS	0.5 μm gold	0.5 μm gold

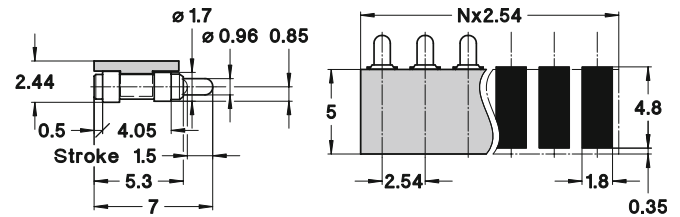
### 8PM-11-00**NN**-02-260

Parallel surface mount SLC connector for pick & place automatic assembly

**AVAILABILITY FROM** 2 to 10 contacts  
(standard number of contacts: 10)



T & R Packaging



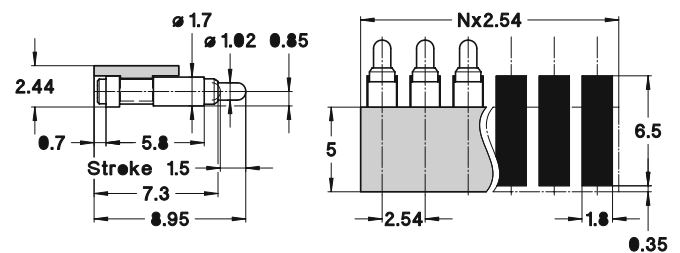
### 8PM-11-00**NN**-02-131

Parallel surface mount SLC connector for pick & place automatic assembly

**AVAILABILITY FROM** 2 to 10 contacts  
(standard number of contacts: 10)



T & R Packaging



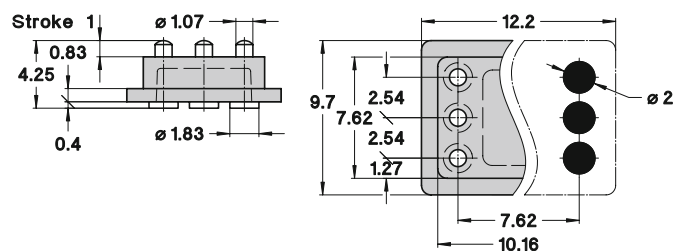
### 8PM-SS-0006-02-219

SLC connector for chipcards with contacting pads acc. to ISO 7816

Standard number of contacts: 6



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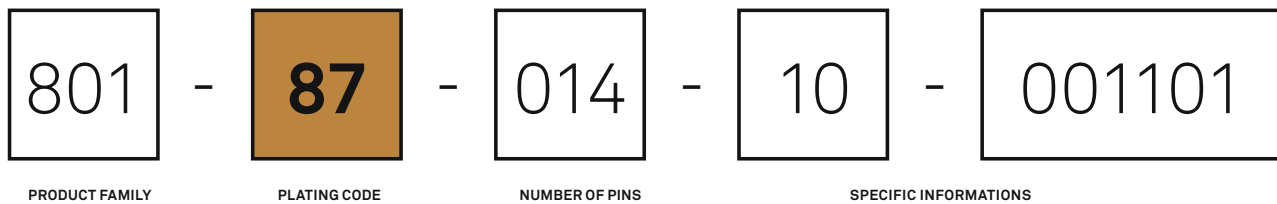
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# GENERAL INFORMATION

## 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:



### PRODUCT FAMILY

- 81 x, 8Px Spring-loaded connectors
- 1 xx, 2xx DIL sockets
- 3xx, 4xx, 8xx PCB connectors
- 5xx BGA, PGA and PLCC sockets
- 6xx, 7xx Carriers
- 9xx 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	4x	4 finger
31	3 finger	6x	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.