



RUE SAINT-HENRI 11, P.O. BOX 834 - CH-2800 DELÉMONT / SWITZERLAND

## Your selected product

### PCB Connectors - Surface mount perpendicular gull-wing

Series 831

**831-PP-NNN-30-001101**

Single row

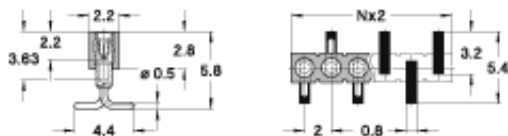
2 mm, Surface mount perpendicular gull-wing

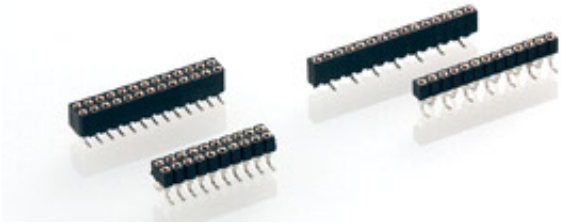
"Hard metric" PCB socket connectors

SMD perpendicular mount.

### Technical specs.:

<b>Insulator:</b>	Black glass filled polymer LCP-GF30-FR
<b>Flammability:</b>	UL 94V-O
<b>Sleeve:</b>	Brass CuZn36Pb3 (C36000)
<b>Contact:</b>	Clip (6 finger): Beryllium copper (C17200)
<b>Mating pin Ø:</b>	0.40 to 0.56 mm, 0.50 mm square
<b>Insertion force:</b>	0.7 N typ.
<b>Withdrawal force:</b>	0.4 N typ. (polished steel gauge Ø 0.46 mm)
<b>Mechanical life:</b>	Min. 500 cycles
<b>Rated current:</b>	3 A
<b>Contact resistance:</b>	Max. 10 mΩ
<b>Dielectric strength:</b>	Min. 1000 V RMS
<b>Coplanarity SMD terminations:</b>	Max. 0.1 mm (measured on 25 mm long connectors)





## Ordering information RoHS-compliant parts

**PP Plating code** Sleeve Clip

**87** Tin Gold flash

**83** Tin Gold 0.75  $\mu\text{m}$

**NNN** number of poles. Replace **NNN** with the requested number of poles, e.g. 833-87-**NNN**-30-001101 for a double row version with 16 pins becomes 833-87-**016**-30-001101

[General technical specs.](#) [View CAD](#)

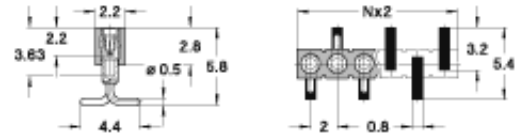
### 831-PP-NNN-30-001101

SMD socket 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.



[Available in T&R Packaging](#)