



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

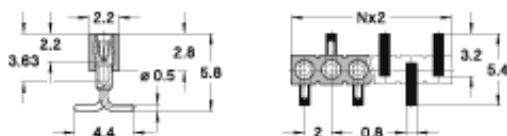
2 mm, Surface mount perpendicular gull-wing

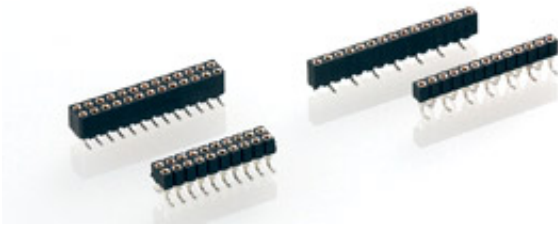
"Hard metric" PCB socket connectors

SMD perpendicular mount.

Technical specs.:

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

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](#)

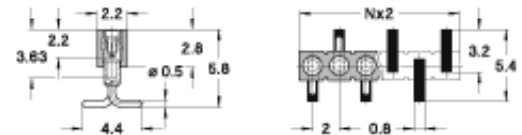
831-PP-NNN-30-001101

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](#)