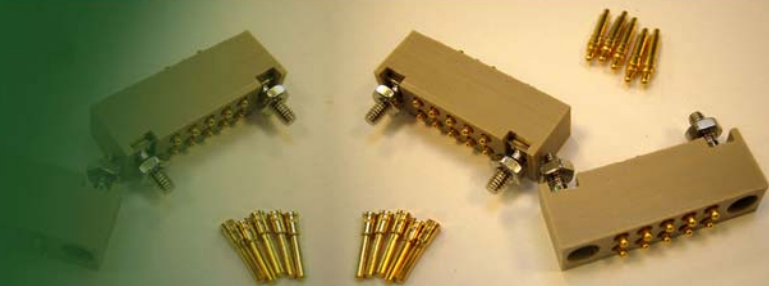
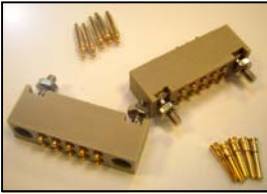


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SPRING CONNECTOR 700 SERIES

SPRING CONNECTOR 700 SERIES



700 series Spring Connectors with 2,54 mm pitch are designed with high performance materials and jackscrew hardware, and can be used in harsh mechanical and climatic environment.

This series of connectors has a large range of termination styles for the second side, the first side being a spring contact :

- SMT
- Spring contact
- Solder for wire (potting possible)

Minimum stacking height between boards is from 5 to 7 mm for SMT connectors, and 11 mm for Spring.

Materials

Insulator body Thermoplastic class UL 94 V0
Spring contacts Outer : Copper alloy tinned or gold plated
..... Inner : Beryllium copper gold plated or Stainless steel
Guides Stainless steel or Copper alloy with Nickel protection

Characteristics

Mechanical

Mechanical endurance 50 000 operations min.
Initial Spring force 0,25 N per contact
Climatical category - 55° C/+ 85° C

Electrical

Working voltage 150 V DC or AC peak (at sea level)
Nominal current 3 A max. at 25° C
Contact resistance 10 mΩ max. for Spring
..... 15 mΩ max. for SMT and Solder
Insulation resistance To be defined

Sizes

2 Rows

2 to 30 contacts (number to be determined)

Dimensions (10 points) Length 23.15 mm x Width 5.8 mm

ORDERING INFORMATION

700

R

10

P

5

Type of contacts

Spring : **P**
 SMT : **R**
 Solder : **S**

Number of contacts

Contact us

Hardware

*(Number : see note * below)*

For **P** contacts :

Jackscrew straight mounting (L = 3,5 mm) : **P**
 Jackscrew straight mounting (L = 4,7 mm) : **Q**

For **R** contacts :

Jackscrew straight mounting (L = 3,8 mm) : **P**
 Jackscrew straight mounting (L = 5 mm) : **Q**

For **S** contacts :

Only lockable : **Y**

Insulator Height

For **P** contacts :

11 mm

For **R** contacts :

C = **5, 6** or **7** mm

Other sizes, contact us

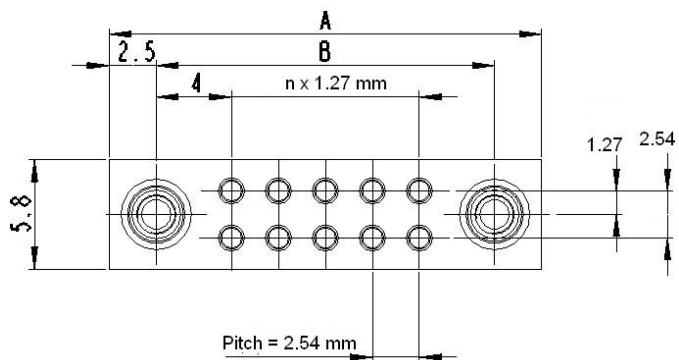
For **S** contacts :

11.5 mm total (**6** mm for hardware)

* *Note : the connectors have normally 2 hardwares, but 3 can be necessary for highen sizes and / or thin PCB (the number is to be determinated after tests and calculations).*

DIMENSIONS

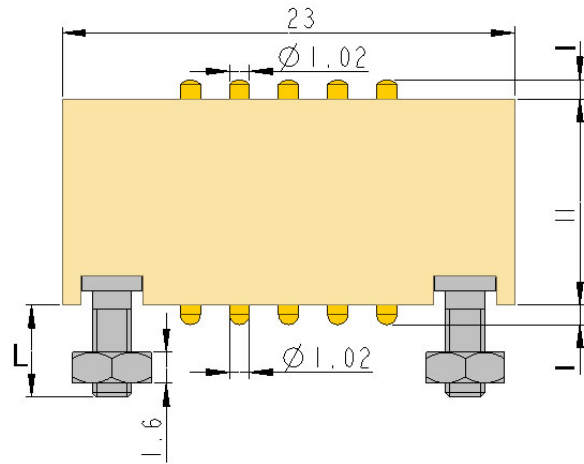
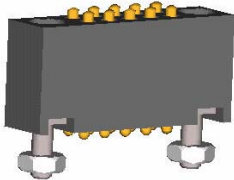
ALL TYPES



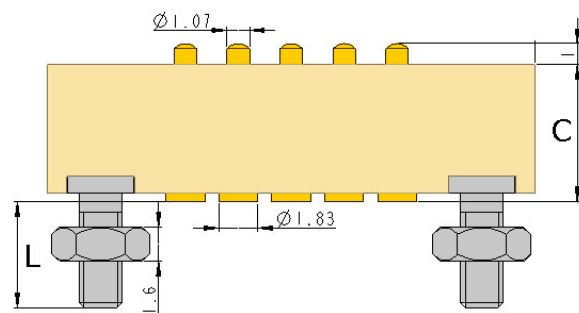
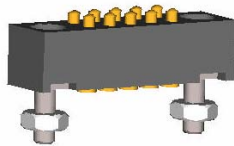
n	Total number of contacts
A	$1,27 \times N + 5,46$ mm
B	$1,27 \times N + 10,46$ mm

DIFFERENT MODELS

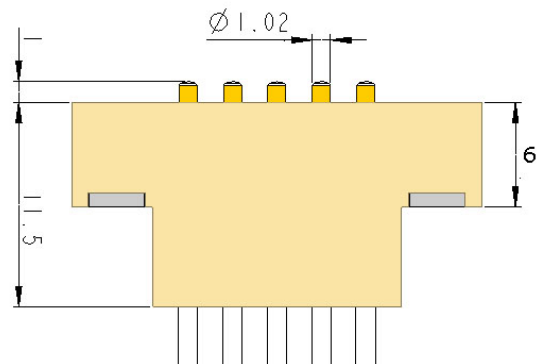
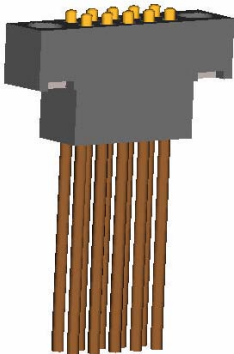
700 P



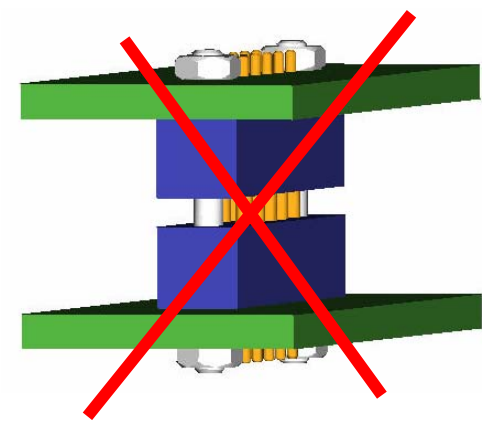
700 R



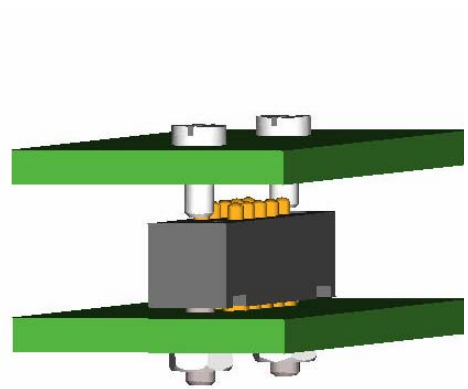
700 S



KEY BENEFITS



BEFORE



AFTER

- No insertion force
- Solderless
- Modularity

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