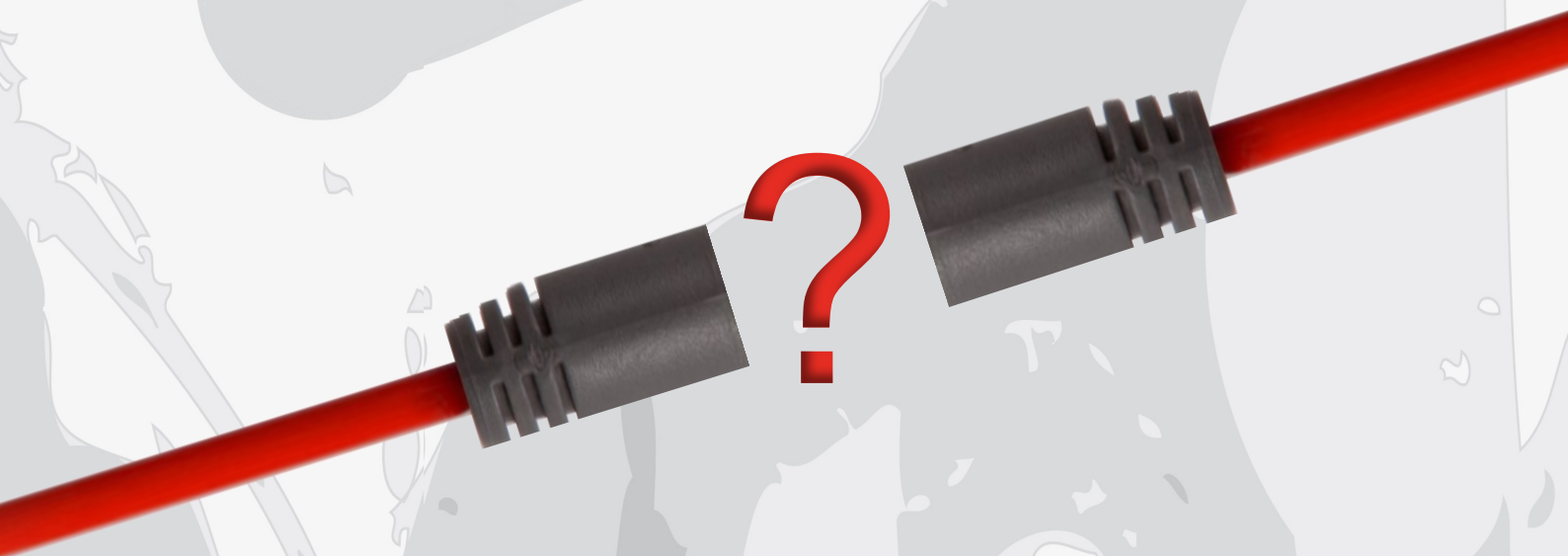




BERNIER Services

Solutions • Operations • Products



... Innovation and Technologies
knowledge for your project solution !

Catalog



BERNIER

Metals



Specialist in micro-mechanical solutions, BERNIER acquired a real knowledge in using materials and metal compounds. Our solutions can match to all specific needs of our customer regarding the solidity, lightness, corrosion resistance and conductivity.

With this ability, BERNIER can make complex interconnection solution in Stainless Steel, Aluminium, Navy Stainless Steel, Navy Bronze or Beryllium Copper.

Plastic materials

Mainly used in connectors as an insulator, this item has to respect all mechanical and environmental restrictions. Our different product lines are made for special conditions then BERNIER has acquired a high level know-how in the suitable use of these materials. Our good relationships with our suppliers allow us an appreciated reactivity in the creation and modification of insulators.



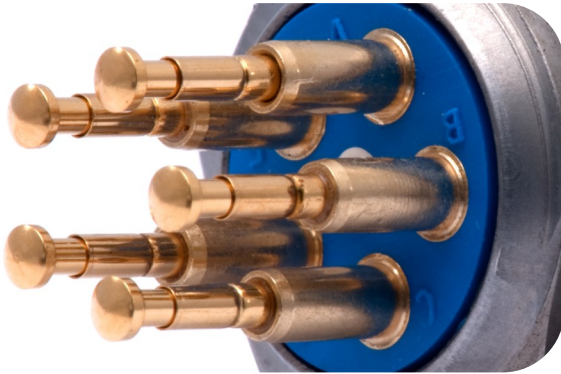
Plating



To get the best products in toughness and reliability, some of our components are going under plating process. Our design team always takes into consideration environmental restrictions and finds the suitable plating for material such as aluminiums and steels.

The plating operation is not only done to increase the performances of the connectors but also sometimes to reach aspect specifications, BERNIER is able to adapt the products to meet these requirements.

Contacts



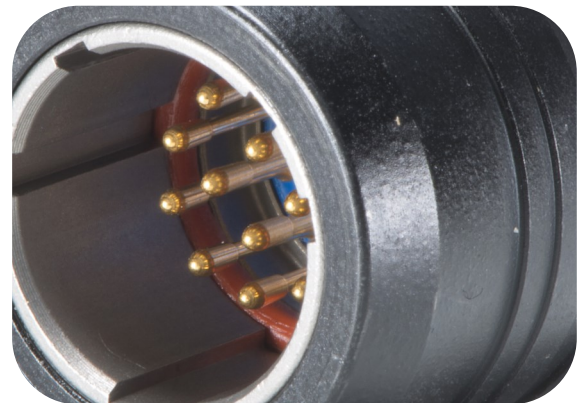
More important part of a connector, the contact must be reliable even after many uses even in severe climatic conditions. BERNIER offers a various number of contacts, male/female types, spring types, crimped types, pressure contacts for cabling or PCB mounting.

Almost all connectors lines have self cleaning contacts.

Locking systems

The locking system is also an important parameter, it will give the ergonomics to the end user making the connector suitable for an equipment.

BERNIER proposes Push-Pull, Quick-Releasable, Bayonet or screw systems. The number of connection/disconnection cycles can be also defined following the connector material and we can apply design modification to increase or reduce this number.



EMC reinforcements



Some of our connectors are equipped with a ground ring giving a better shell continuity between the connectors and a 360° EMC protection.

Conductive Orings can also be set to improve the ground continuity with the chassis. Ground pins are also appreciated, they are the simplest way to link directly the ground from the connectors and chassis to the PCB ground.

◆ Design

Our design team helped with SOLIDWORKS software is concentrating on the design of simple, tough, reliable, cost effective interconnect solutions.

Because we have many customers working on slightly different technologies, our team is able to adapt these solutions taking care of compatibilities.

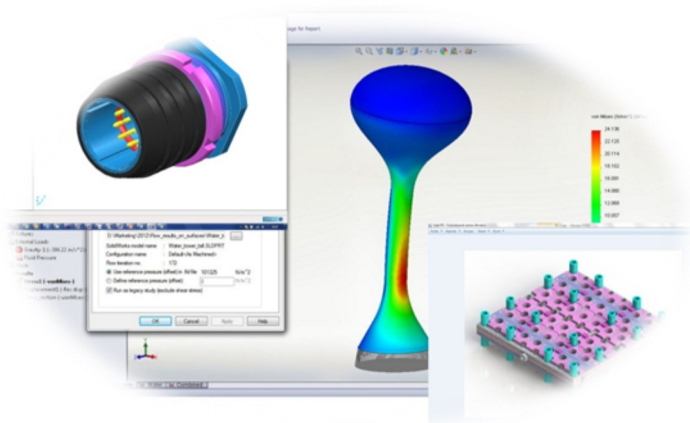


Our Design team is able to propose versions answering to your needs. Reinforcements can be applied in case of use in harder climatic, ergonomic and electromagnetic conditions.

Caps and backshells can also be improved to bring a better ergonomics on your configuration.

Our design steps :

- Listening and customer requests list
- Definition of work axes, possible solutions proposals.
- Project specifications constructions and validation.
- Calculation and solutions presentation.
- Drawings design
- Prototypes and manufacturing follow-up.



Environmental norms is an important parameter in the design of technical solutions. Our design department doesn't include in the configuration dangerous material for nature and men.

◆ Traceability

Without contact, LASER marking avoid taking into consideration the toughness of the material. Allowing a sharp and fast marking, it is the best tool for our making on high volume production. All our items contains the company name, the part number and the production date. These data allow us to find easily the origin of the components and production historic in case of non conformity on a batch.

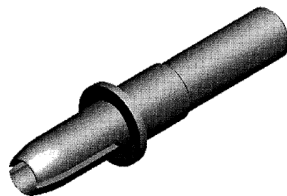
With the data, our customers are also able to know easily which item is in their hands.



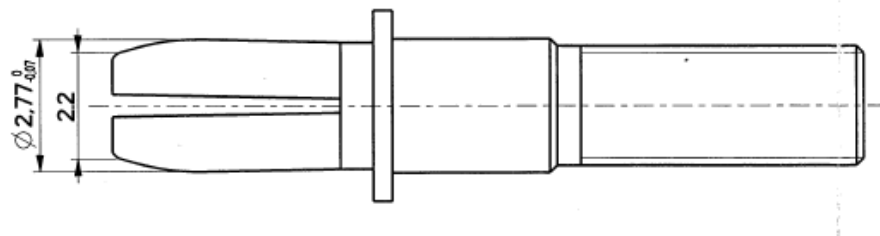
◆ Controls

Performance and reliability of our products are the first parameter for our success. This is why we proceed to visuals inspections, watertightness and electrical tests. Our tests tools are regularly controled and we are always investing in order to get up to date devices and processess.

◆ Contact for battery



Ex: 11633/14



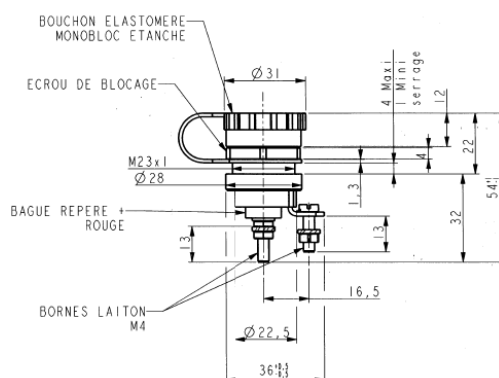
◆ Connector without locking equipped with 7 flat cts



Ex: B463

◆ Panel receptacle 2 contacts

Ex: B594

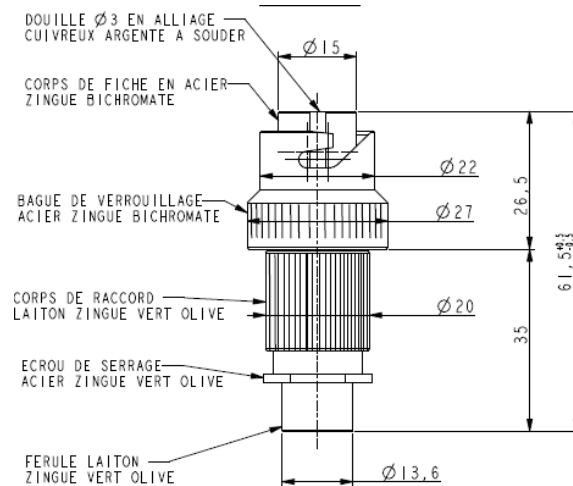


◆ Lamp base insulator PTFE 2 solder cup contacts with clip



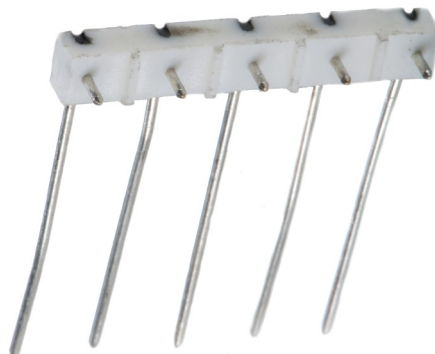
Ex: BEMF02PLBC

◆ **One contact female plug diameter 3 following NFL 54111 norm**



Ex: B595

◆ **Special module with 5 contacts**



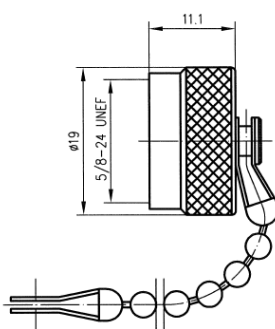
Ex: BEMM05PLCO

◆ Double cap for antenna and



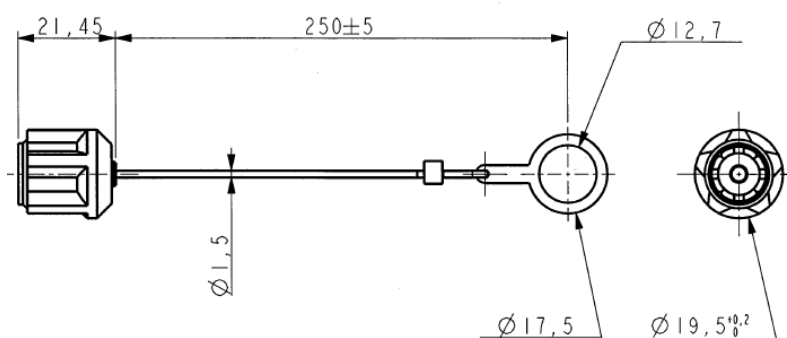
Ex: B598

◆ Metallic cap for UHF receptacle with chain and eyelet for M3 screw



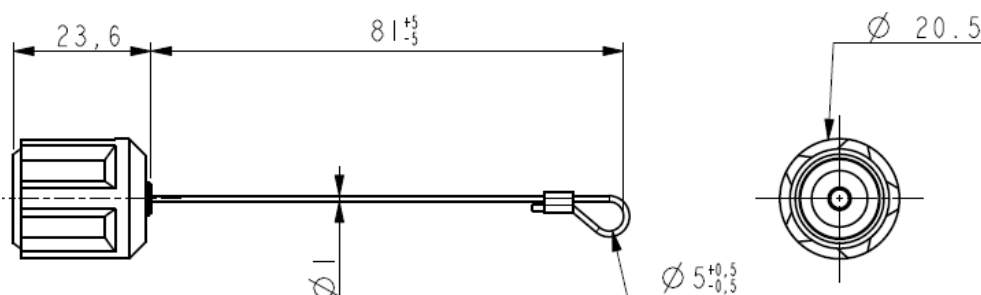
Ex: CAP239A

◆ Elastomer cap for BNC receptacle lg 250 mm with eyelet



Ex: B457

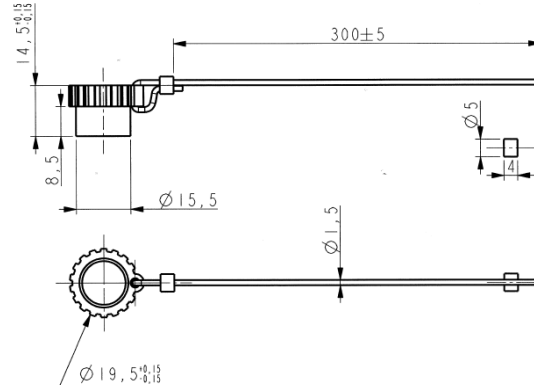
◆ Elastomer cap for BNC plug with microcable



Ex: B453MC

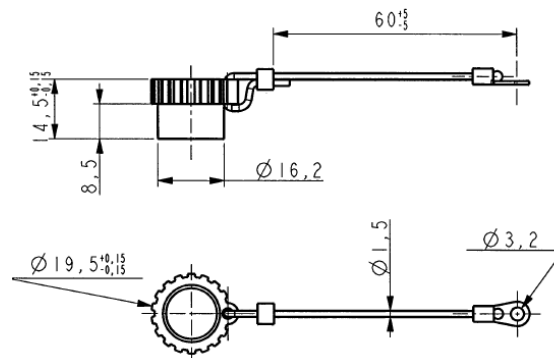
◆ Elastomer cap for JDX T2 plug with ferule apart

Ex: B599



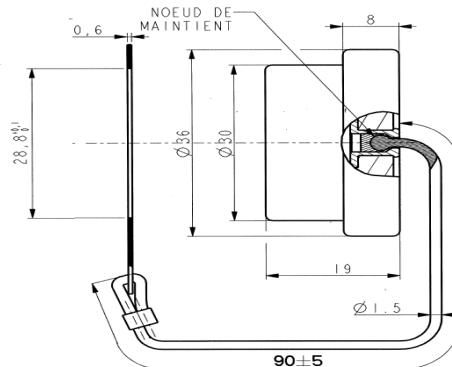
◆ Elastomer cap with crimped eyelet diameter 3 for JDX T2 receptacle

Ex: B591



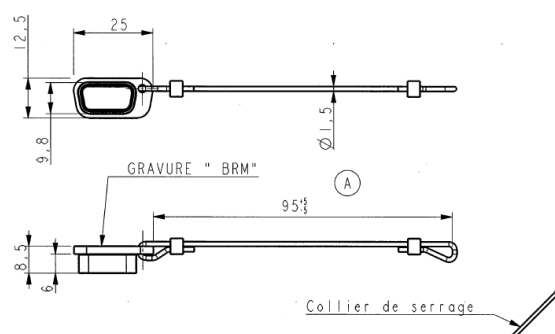
◆ PUR cap for MIL-C-38999 serie 3 size 15 receptacle

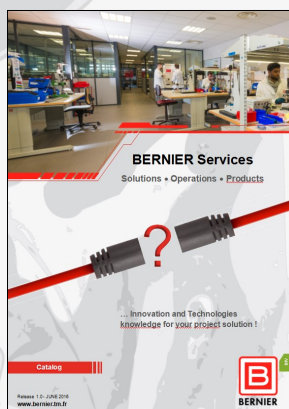
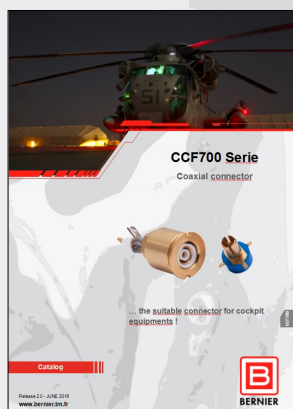
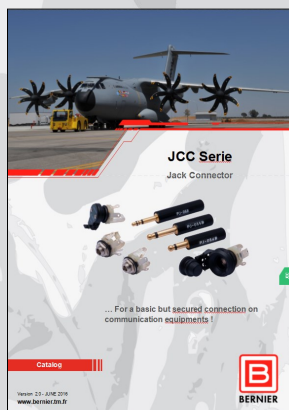
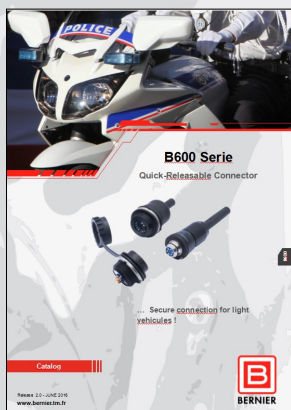
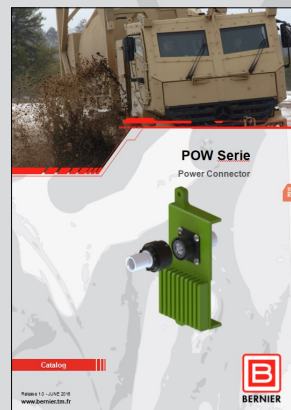
Ex: 389-3-15



◆ Elastomer cap for SUBD 9 cts plug with plastic clamp

Ex: B454





Find more on

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Dimensions in mm

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