

How do I know if I have a LEMO connector?

LEMO PLUG

A LEMO plug is typically marked with the LEMO name and the first 5 characters of the part number, which represent the model, size, and series.

LEMO RECEPTACLE

A LEMO receptacle is typically marked with the LEMO name and the first 5 characters of the part number, which represent the model, size, and series.

My equipment has a LEMO multi-pin receptacle and I need the mating plug. How do I determine the LEMO part number I need?

Before LEMO can assist with a mating plug part number, we must first identify the LEMO receptacle.

First, check your equipment documentation to see if the LEMO part number is included.

If not, check the equipment manufacturer's web site to determine if they reference this information.

If the first two steps do not yield a LEMO part number download a **Receptacle Identification Guide** for more assistance.

How can I determine a full part number from partial data on my LEMO plug or receptacle?

The 5th letter of a LEMO part number is an indication of the connector series. Other information needed to determine a full part number is as follows:

How many contacts (pins) are in the insert of the connector?

Is the shell soft chrome plated brass shell?

Are the terminations solder or crimp?

What is the diameter of the cable entering the rear of the connector (in millimeters if possible)?

Is there a bend relief (strain relief) at the transition of the connector to the cable? Color?

See **Part Numbers Explained** for more information about LEMO's part numbering system.

My equipment has a LEMO receptacle with a concentric contact, how do I determine the part number?

The **Concentric Contact Guide** should enable you to re-create the LEMO part number for most concentric connectors.

You can also refer to Part Numbers Explained for more information. You may need to contact LEMO for identification assistance with the following different types of concentric electrical contact connectors:

- Coax contact
- Triax contact
- Unipole contact
- High Voltage contact

When contacting LEMO please mention that you estimated or re-created this part number so that Customer Service can double-check the information.

How do I order my plug with a bend relief?

Bend reliefs are ordered separately from plugs. They come in various colors, and with different inside diameters. When ordering a plug, add the variant letter "Z" to the end of the part number to specify a rear collet nut with a lip to accept the bend relief. See **Part Numbers Explained** for more information about LEMO's part numbering system.

Does LEMO offer customer specific stocking programs?

LEMO entities in the U.S.A., Germany, United Kingdom, and in other countries hold large inventories in order to meet expected demand of products or parts. This helps to ensure that standard parts are available within a short lead-time. For customers with significant large-volume business, LEMO offers discounts and safety stocks. A safety stock is an amount of inventory reserved for a customer according to an existing contract. Please contact info@lemo.com LEMO to discuss forecasts, delivery, and safety stock needs, and to negotiate an individual agreement.

What type of thread lock material may I use on REDEL® connectors?

LEMO recommends cleaning the connector with Isopropyl Alcohol prior to thread lock adhesive. We have a specific formulation of Vibra-Tite® for the PSU (Polysulfone) and PEI (Polyetherimide) used by LEMO, VTCS-6. For more detail, view the [assembly instructions](#).

Does LEMO have BNC adaptors?

Yes, you can find several BNC adapters referenced in the NIM-CAMAC 00 series Catalog.

What is a cable group?

LEMO's coaxial contacts are designed to accept a range of coaxial cables. A LEMO cable group describes the group of cables that are compatible with a particular contact. For example, the 2B.802 can work with cable group 1 (RG.174 A/U, RG.188 A/U, RG.316 /U), group 2 (RG.178 B/U, RG.196 A/U) and group 3 (RG.179 B/U, RG.187 A/U). For more information, contact info@lemo.com.

Can I download PDF drawings of LEMO connector from this web site?

No, however, in the near future this feature will be added. In the meantime, you can contact info@lemo.com LEMO engineering for CAD files.

How does LEMO determine the maximum recommended operating voltage?

LEMO takes pride in strictly following the IEC Standard. LEMO always has the safety of the user in mind when LEMO publishes specs or make recommendations.

LEMO determines its published Operating Voltage V(signal) specifications as follows:

Per IEC 60512-2 Test 4a Standard:

① $V(\text{test}) = 0.75 \times V(\text{breakdown})$

② $V(\text{signal}) < 1/3 \times V(\text{test})$

where:

$V(\text{breakdown})$ = Mean breakdown voltage

$V(\text{test})$ = Test Voltage

Substituting $V(\text{test})$ in equation (2) through $V(\text{test})$
from equation (1) yields equation (3):

③ $V(\text{signal}) = 1/3 \times 0.75 \times V(\text{breakdown}) = 1/4 V(\text{breakdown})$