



Micro-D Mod Code 428 for +200° C. Operating Temperature



**Potting a Micro-D with
Epoxy-Filled Syringe**

Upgrade to 200° Celcius with Mod Code 428 High Temperature Epoxy

The search for oil and gas has led to deeper reservoirs where extreme temperatures and pressures test the limits of electronics design. Oil well logging instruments must be able to withstand temperatures beyond the limits of standard connectors.

Micro-D connectors are made from temperature-resistant materials. The Liquid Crystal Polymer (LCP) glass-filled thermoplastic insulators easily withstand 400° F. The Fluorosilicone seals, TwistPin contacts and aluminum shells also are rated for continuous exposure to 400° F. The epoxy potting compound is the only component not rated for high temperature. Mod Code 428 upgrades the standard epoxy with a special 600° F. epoxy.



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How To Order Micro-D Connectors With Mod 428 Hi Temp

Step 1: Find a Standard Micro-D part Number
Mod 428 is available on all standard metal shell Micro-D connectors, including solder cup, pre-wired and printed circuit board versions. Not available on plastic Micro-D or M83513 connectors.

Example: MWDM2L-37PSL
1. Metal shell only
2. Nickel-plated aluminum or stainless steel shells only.

Step 2: Add the Mod Code to the Part Number

Example: MWDM2L-37PSL-428

Application Notes

1. Shell Material & Finish: Electroless nickel plated aluminum is commonly used for high temperature connectors. Cadmium plated aluminum is not recommended for temperatures exceeding 175° C. because of discoloration and breakdown of the chromate seal applied to the cadmium. Stainless steel shells provide the best resistance to temperature and corrosive environments, but at the expense of weight and cost.

2. Potting Compound: 200° C Rated Epoxy