



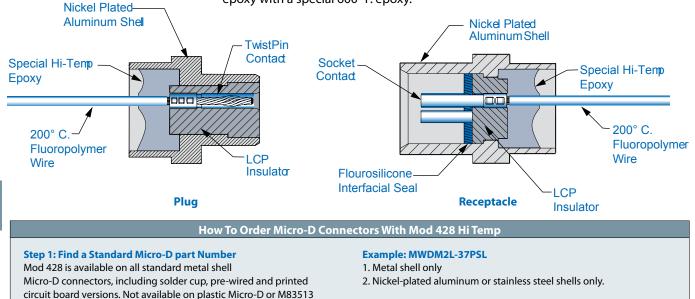
Potting a Micro-D with Epoxy-Filled Syringe

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

Micro-D Mod Code 428 <u>for +200° C. Operating</u> Temperature

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.



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

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connectors.

High Performance Micro-D Connectors and Cables

U.S. CAGE Code 06324

Printed in U.S.A.

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