

DEEP SPACE 38999

AMPHENOL'S COLDEST ENVIRONMENTAL CONNECTOR SERIES

PDS - 341



DEEP SPACE 38999 (-148 °F/-100°C):

The Deep Space 38999 Connector series is designed for extreme cold-weather environments. They are built to retain a grommet-to-wire and contact-to-contact seal in temperatures below -85 °F (-65 °C).

Temperatures falling below -85 °F (-65 °C) typically means losing your environmental sealing or worse: electrical shortening due to cracked elastomeric components. The Deep Space 38999 ensures your seal and connectivity remain fully intact.

Using modification code (750) on any 38999 commercial coded part number upgrades the elastomers to our -148 °F (-100 °C) capable silicone blend and includes other necessary upgrades to components and materials. Beat the cold with the Deep Space 38999.

Example Part Number: TVPS00RF-25-35P(750)*

*Contact Amphenol for details, not all connector styles are -148 °F (-100 °C) capable with Deep Space 38999 rubber due to other component limitations.

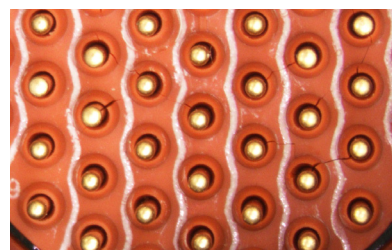
*Use mod code (750S) for outgassed version

DEEP SPACE 38999 TRUE CRYO (-319°F/-195°C):

Amphenol is now able to provide prototypes of our true cryogenic Deep Space 38999. Static testing over 24 hours reveals no cracking compared to a standard mil-spec qualified rubber. Contact Amphenol for more information.

FEATURES/BENEFITS:

- Intermatable and interchangeable with standard connectors
- Retain grommet-to-wire seal and contact isolation
- Rubber will not take a compression set when stretched or compressed due to regular connector operations
- Temperature cycling tested between -148 °F (-100 °C) to 392 °F (200 °C), 5 cycles with 30-minute dwell time
- Tooled in most insert arrangements
- -319 °F (-195 °C) option coming soon for true cryogenic applications
- Available in 38999 Series I, Series II, Series III and SJT
- Also available in **Series Five** connector series
- Compatible with standard 38999 caps and accessories



Standard D38999 cracked seal