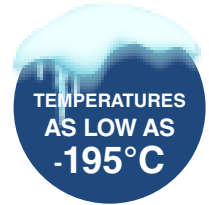
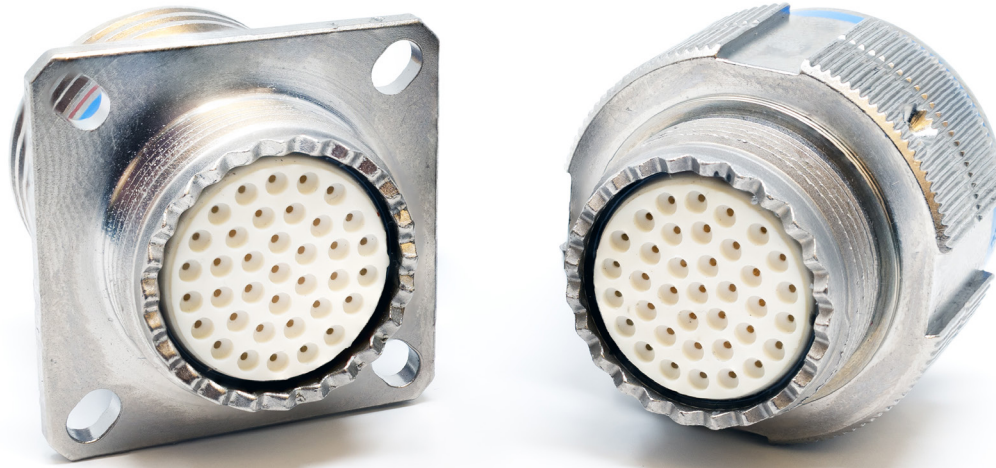


# DEEP SPACE 38999

## AMPHENOL'S COLDEST ENVIRONMENTAL CONNECTOR SERIES

PDS - 341



### DEEP SPACE 38999 (-319 °F/-195°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 connector ensures your seal and connectivity remain fully intact.

Using modification code (750) on a 38999 commercial coded part number upgrades the elastomers to our -319 °F (-195 °C) capable silicone blend and includes other necessary upgrades to components and materials.

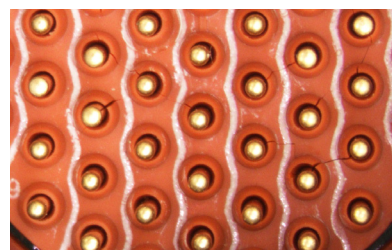
Example Part Number: TVPS00RF-25-35P(750)\*

\*Contact Amphenol for details, not all connector styles are -319 °F (-195 °C) capable with Deep Space 38999 rubber due to other component limitations.

\*Use mod code (750S) for outgassed version

### FEATURES/BENEFITS:

- Intermateable and interchangeable with standard connectors
- Retains grommet-to-wire seal and contact isolation
- Rubber will not take a compression set when stretched or compressed due to regular connector operations
- Static testing over 100 hours reveals no cracking where all other benchmark parts crack and foil
- Tooled in most insert arrangements
- Available in 38999 Series I, Series II, Series III and SJT
- Compatible with standard 38999 caps and accessories
- See Amphenol for availability in other connector series



Standard D38999 cracked seal

# BUILD A PART NUMBER:

Complete steps 1-7 to create your part number

1. Connector Type	2. Shell Style	3. Service Class	4. Shell Size - Insert Arrangement	5. Contact Type	6. Alternate Position	7. Modification
TV	96	DT	15-35	P		(750)


**STEP 1 :**  
Choose a Connector Type






1. Connector Type	
<b>TV</b>	Tri-Start, Series III, 175° C
<b>TVP</b>	Tri-Start, Series III, Panel Mount 175° C
<b>TVS</b>	Tri-Start, Series III, 200° C
<b>TVPS</b>	Tri-Start, Series III, Panel Mount 200° C

**STEP 2 :**  
Choose Shell Style

2. Shell Style	
<b>00</b>	Wall Mount Receptacle
<b>80</b>	Wall Mount with Integral Banding Platform
<b>07</b>	Jam Nut Receptacle
<b>87</b>	Jam Nut with Integral band platform
<b>06</b>	Straight Plug
<b>96</b>	Plug with Integral Banding Platform
<b>02</b>	Box Mount

**STEP 3 :**  
Choose a Service Class

175°C Service Class	
<b>DT</b>	Duralon: 500 hrs. salt spray,-50dB@10GHz 

200°C Service Class	
<b>RB</b>	Marine Bronze - 500 hour salt spray 
<b>RF</b>	Electroless nickel plated aluminum, 48 hour salt spray 
<b>DS</b>	AP-93 alloy 
<b>RK</b>	Passivated Stainless Steel (Firewall): 500 hrs. salt, -65dB@10GHz 
<b>RS</b>	Nickel Plated Stainless Steel, Passivated (Firewall): 500 hrs. salt, -65dB@10GHz 

**STEP 4:**  
Select a Shell Size & Insert Arrangement

4. Shell Size - Insert Arrangement
See Amphenol 38999 Catalog page 2-13

**STEP 5 :**  
Choose a Contact Type

5. Contact Type	
<b>P</b>	Pin
<b>S</b>	Socket

**STEP 6 :**  
Choose an Alternate Position

6. Alternate Positions	
	Blank for normal rotation
<b>A</b>	A rotation
<b>B</b>	B rotation
<b>C</b>	C rotation
<b>D</b>	D rotation
<b>E</b>	E rotation

**STEP 7 :**  
Choose a Modification Code

7. Modification Code	
<b>(750)</b>	Deep Space 38999
<b>(750S)</b>	Deep Space with outgassing
<b>(750P)</b>	Deep Space, replace Twinax/Coax with power contacts
<b>(750PS)</b>	Deep Space, with outgassing, replace Twinax/Coax with power contacts
<b>(750H)</b>	Deep Space, replace contacts with high current pins
<b>(750HS)</b>	Deep Space, with outgassing, replace contacts with high current pins