



## Ultra-High Temperature, High Density Micro-MDM Connector: 230° C Rated

With the increasing demand for smaller, ruggedized connectors that can withstand extreme temperatures, Cannon's Ultra-High Temp Micro-MDM F300 Series offers exceptional reliability and performance in a lightweight, space-saving design. This highly engineered, high temperature microminiature connector is ideally suited for a wide range of harsh environment applications:



OIL &amp; GAS

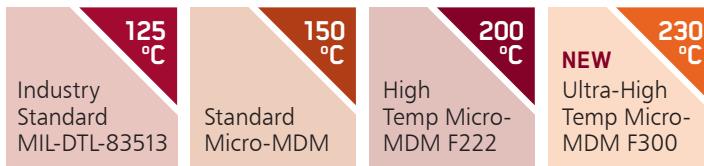


AEROSPACE &amp; DEFENSE



TRANSPORTATION &amp; INDUSTRIAL

### ITT Cannon Offers a Family of Micro-MDM Connectors from Industry Standard to Ultra-High Temperature



### Ultra-High Temperature Micro MDM F300

The Ultra High Temp Micro-MDM series is qualification tested to withstand 230°C continuous operating temperature for 500 hours and meets the harsh requirements of the Oil and Gas exploration industries, which exceed those of the MIL-DTL-83513 specification. It is designated by an F300 modification code and uses high performance micro twist pin contacts, special insulating materials and high temperature wire.

### The CANNON Difference:

- 20+ years of experience in design and manufacturing of high temperature connectors
- Proven reliability and a commitment to delivering the best solution for standard and custom design requirements
- Designed in accordance with MIL-DTL-83513
- High performance design
- High reliability
- Exceptional versatility

### Key Features:

- Withstands 230° Celsius continuous operating temperature for 500 hours
- Stainless steel shells (passivation only)
- High temp Liquid Crystal Polymer insulator material
- Nickel plated copper wire PTFE jacket per M22759/87
- Designed for critical cable to cable applications
- High reliability Micro twist pin and socket contacts
- Durability: 500 mating cycles
- Operating temperature: -55° C to 230° C

## How to Order

### Ultra-High Temp Micro-MDM Connector



<b>MDM</b> - <b>25</b> <b>P</b> <b>R</b> <b>003</b> <b>L</b> - <b>F300</b>							<b>High-Temp Wires   Callouts</b> <b>M22759/87-26-9</b>				
<b>MDM</b> - MD Metal Shell							<b>Length</b> <b>Yellow</b> <b>White</b> <b>10-Color Repeat</b> <b>System 1</b>				
<b>9, 15, 21, 25, 31 &amp; 37</b>							<b>1</b> <b>030</b> <b>R30</b> <b>T30</b> <b>U30</b>				
<b>P</b> - Pin / <b>S</b> - Socket							<b>2</b> <b>024</b> <b>R24</b> <b>T24</b> <b>U24</b>				
<b>R</b> - Insulated Standards Wire / <b>S</b> - Solder Pot							<b>3</b> <b>020</b> <b>R20</b> <b>T20</b> <b>U20</b>				
<b>TERMINATION TYPE</b>							<b>4</b> <b>-</b> <b>R33</b> <b>T33</b> <b>U33</b>				
<b>TERMINATION MODIFIER CODE</b>							<b>5</b> <b>031</b> <b>R31</b> <b>T31</b> <b>U31</b>				
(Consult Factory for all 'R', 'T' and 'U' Mod Codes for Lead Material and Length)							<b>6</b> <b>019</b> <b>R65</b> <b>T19</b> <b>072</b>				
<b>HARDWARE</b>							<b>8</b> <b>026</b> <b>R26</b> <b>T26</b> <b>U26</b>				
<b>P</b> - Jackpost							<b>9</b> <b>015</b> <b>R15</b> <b>T15</b> <b>U15</b>				
<b>R1</b> - Rear Panel Mount Jackpost .032" Panel							<b>10</b> <b>029</b> <b>R29</b> <b>T29</b> <b>U29</b>				
<b>R2</b> - Rear Panel Mount Jackpost .047" Panel							<b>12</b> <b>028</b> <b>R66</b> <b>T28</b> <b>073</b>				
<b>R3</b> - Rear Panel Mount Jackpost .062" Panel							<b>16</b> <b>029</b> <b>R39</b> <b>T39</b> <b>U39</b>				
<b>R4</b> - Rear Panel Mount Jackpost .093" Panel							<b>17</b> <b>036</b> <b>R36</b> <b>T36</b> <b>U36</b>				
<b>R5</b> - Rear Panel Mount Jackpost .125" Panel							<b>18</b> <b>001</b> <b>R67</b> <b>T01</b> <b>074</b>				
<b>K</b> - Jackscrew-Standard Profile							<b>20</b> <b>038</b> <b>R38</b> <b>T38</b> <b>U38</b>				
<b>L</b> - Jackscrew-Low Profile							<b>21</b> <b>055</b> <b>R55</b> <b>T55</b> <b>U55</b>				
<b>F</b> - Float Mount							<b>24</b> <b>009</b> <b>R68</b> <b>T09</b> <b>075</b>				
<b>B</b> - No hardware (Standard) .091 dia. hole for sizes 9-51							<b>30</b> <b>010</b> <b>R10</b> <b>T10</b> <b>U10</b>				
<b>A</b> - No hardware .125 dia. hole for sizes 9-51							<b>35</b> <b>018</b> <b>R18</b> <b>T18</b> <b>U18</b>				
<b>B1</b> - No hardware .1475 dia. hole for size 100 (Per MIL-DTL-83513/5)							<b>36</b> <b>011</b> <b>R69</b> <b>T11</b> <b>076</b>				
<b>S</b> - Clinch Nut							<b>40</b> <b>037</b> <b>R37</b> <b>T37</b> <b>U37</b>				
<b>M2</b> - Jackscrew-low profile (Allen Head)							<b>42</b> <b>012</b> <b>R12</b> <b>T12</b> <b>U12</b>				
<b>M3</b> - Jackscrew-standard profile (Allen Head)							<b>48</b> <b>013</b> <b>R70</b> <b>T13</b> <b>077</b>				
<b>M5</b> - Jackscrew-low profile (Slotted Head)							<b>50</b> <b>040</b> <b>R40</b> <b>T40</b> <b>U40</b>				
<b>M6</b> - Jackscrew-standard profile (Slotted Head)							<b>60</b> <b>014</b> <b>R14</b> <b>T14</b> <b>U14</b>				
<b>M7</b> - Jackpost							<b>72</b> <b>017</b> <b>R71</b> <b>T17</b> <b>078</b>				
<b>R22</b>							<b>80</b> <b>032</b> <b>R32</b> <b>T32</b> <b>U32</b>				
<b>R2</b>							<b>92</b> <b>022</b> <b>R22</b> <b>T22</b> <b>U22</b>				
<b>R35</b>							<b>96</b> <b>035</b> <b>R35</b> <b>T35</b> <b>U35</b>				
<b>R42</b>							<b>120</b> <b>042</b> <b>R42</b> <b>T42</b> <b>U42</b>				
<b>R43</b>							<b>180</b> <b>043</b> <b>R43</b> <b>T43</b> <b>U43</b>				

## Why ITT

ITT is a focused, multi-industrial company that designs and manufactures highly engineered critical components and customized technology solutions.

ITT Cannon is a leading global manufacturer of connector products serving international customers in the aerospace and defense, industrial and medical end markets. We design and engineer a variety of interconnect solutions that make it possible to transfer data, signal and power in an increasingly connected world.

Connect with your ITT Cannon representative today or visit [www.ittcannon.com](http://www.ittcannon.com)

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