



Part Number : 2138601637

**Product Description :** NTC Ring Temperature Sensor-to-Micro-Lock Plus Cable Assembly, 300.00mm Length, 3500 Beta Value with 1% Tolerance, 10kOhm Resistance at 25°C with 1% Tolerance, Black

Series Number : 213860

Status : Active

Product Category : Power and Signal Cable Assemblies

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## Documents & Resources


### Drawings

Drawing 2138601637\_sd.pdf

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## Product Environment Compliance

### Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Not Relevant  |
| China RoHS         |  |
| EU ELV             | Not Relevant  |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21  |
| REACH SVHC         | Contains Lead per D(2024)4144-DC (27 June 2024)                                       |
| EU RoHS            | Compliant with Exemption 15(a) per EU 2015/863  |

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

### EU RoHS Certificate of Compliance

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## Part Details

### General

|                        |   |
|------------------------|---|
| Status                 | Active  |
| Category               | Power and Signal Cable Assemblies   |
| Series                 | 213860  |
| Description            | NTC Ring Temperature Sensor-to-Micro-Lock Plus Cable Assembly, 300.00mm Length, 3500 Beta Value with 1% Tolerance, 10kOhm Resistance at 25°C with 1% Tolerance, Black |
| Application            | Temperature Sensing   |
| Assembly Configuration | Dual Ended Connectors   |
| Connector to Connector | Ring Term-to-Micro-Lock Plus  |
| Product Family         | Temperature Sensor Cable Assemblies   |
| Product Name           | NTC Temperature Sensor  |
| Type                   | Discrete Wire Assembly  |
| UPC                    | 193264434664  |

### Electrical

|                               |                 |
|-------------------------------|-----------------|
| Beta Value (K)                | 3500            |
| Current - Maximum per Contact | 0.5A            |
| Resistance at 25°C (kohms)    | 10              |
| Resistance Tolerance (%)      | 1               |
| Voltage - Maximum             | 50V AC (RMS)/DC |

### Physical

|                           |               |
|---------------------------|---------------|
| Cable Length              | 300.00mm      |
| Circuits (Loaded)         | 2             |
| Circuits (maximum)        | 2             |
| Color - Resin             | Black         |
| Gender                    | Female-Female |
| Lock to Mating Part       | Yes           |
| Material - Metal          | Copper Alloy  |
| Material - Plating Mating | Nickel        |

|                                |                      |
|--------------------------------|----------------------|
| Material - Plating Termination | Nickel, Tin          |
| Material - Resin               | PBT                  |
| Net Weight                     | 2.892/g              |
| Number of Rows                 | 1                    |
| Overmolded                     | No                   |
| Packaging Type                 | Bag                  |
| Pitch - Mating Interface       | 1.25mm               |
| Single Ended                   | No                   |
| Stud Size                      | 6 (M3.5)             |
| Termination Interface Style    | Crimp or Compression |
| Wire/Cable Type                | PTFE, UL 10344       |
| Wire Insulation Diameter       | 0.95mm               |
| Wire Size (AWG)                | 26                   |

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## Mates With / Use With

### Mates with Part(s)

| Description   | Part Number   |
|---|---------------|
| 1.25mm Pitch Micro-Lock Plus Vertical, Single Row, Surface Mount Headers    | <u>505568</u> |
| 1.25mm Pitch Micro-Lock Plus Right-Angle, Single Row, Surface Mount Headers | <u>505567</u> |