

# 1589688 -7 Product Details

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## Nanominiature Circular Connectors

[Always EU RoHS/ELV Compliant](#) ( [Statement of Compliance](#) )

### Product Highlights:

- ? Preloaded
- ? Connector Style = Plug
- ? 19 Positions
- ? With Environmental Protection
- ? Wire Size = 30 AWG mm<sup>2</sup> [AWG]

[View all Features](#)

### Quick Links


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TE Internal Number: 1589688 -7

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### Documentation & Additional Information

#### Product Drawings:

- ? [PLUG ASSEMBLY, CIRCULAR, THREADED COUPLING, STRAIGHT...](#) (PDF, English)

#### Catalog Pages/Data Sheets:

- ? None Available

#### Product Specifications:

- ? None Available

#### Application Specifications:

- ? None Available

#### Instruction Sheets:

- ? None Available

#### CAD Files: ( [CAD Format & Compression Information](#) )

- ? [2D Drawing](#) (DXF, Version D1)
- ? [3D Model](#) (IGES, Version D1)
- ? [3D Model](#) (STEP, Version D1)

[List all Documents](#)

#### Additional Product Images:

- ? [Product Photo](#)

#### Related Products:

- ? [Tooling](#)

### Product Features (Please use the Product Drawing for all design activity)

#### Product Type Features:

- ? [Wire Size \(mm<sup>2</sup> \[AWG\]\)](#) = 30 AWG
- ? [Wire Material](#) = Color Coded Teflon
- ? Shell Material = Aluminum 6061 -T6

#### Mechanical Attachment:

- ? [Mating Retention Type](#) = Threaded Coupling

#### Electrical Characteristics:

- ? [Factory Installed Backshell](#) = With
- ? Resistance (?) = .003 - .008
- ? Contact - Rated Current (A) = 1

#### Body Features:

- ? [Number of Positions](#) = 19
- ? [Wire Type](#) = Stranded
- ? [Length \(mm \[in\]\)](#) = 3048.00 [120.000]
- ? Insulator Material = Liquid Crystal Polymer (LCP) or PPS
- ? Shell Plating = Nickel

#### Contact Features:

- ? Preloaded = Yes
- ? Contact Base Material = Beryllium Copper
- ? Contact Plating = Gold over Nickel

#### Housing Features:

- ? Connector Style = Plug

#### Configuration Features:

- ? Environmental Protection = With
- ? Environmental Protection Type = Sealed

#### Industry Standards:

- ? [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- ? [Lead Free Solder Processes](#) = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
- ? RoHS/ELV Compliance History = Always was RoHS compliant

#### Conditions for Usage:

- ? Temperature Range (°C) = -55 - +200

#### Other:

- ? Brand = Nanonics

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