



+ CONNECTORS

HEADERS & RECEPTACLES



✓ Active

TE CONNECTIVITY (TE)
GRACE INERTIA CONN 2.5 HDR ASSY 2P RED

[Grace Inertia](#) | [Grace Inertia](#)

1-1747067-2
TE Internal Number: 1-1747067-2

[EU RoHS Compliant](#)
[Not Yet Reviewed for EU ELV](#)

Connector System Wire-to-Board
Number of Positions 2
Centerline (Pitch) 2.5 mm [.098 in]
Termination Method to Wire/Cable Solder
PCB Mounting Orientation Vertical

↓ **PRODUCT DRAWING**
[Japanese](#)

↓ **3D PDF**

DOCUMENTATION

Product Drawings

GRACE INERTIA CONNECTOR 2.5 HDR ASSY

PDF [\(TIFF AVAILABLE\)](#)

Japanese

CAD Files

Customer View Model

2D_DXF.ZIP

English

3D PDF

PDF
3D

Customer View Model
3D_IGS.ZIP
English

Customer View Model
3D_STP.ZIP
English

Product Specifications
Application Specification

CRIMPING GRACE INERTIA CONNECTOR 2.0 AND 2.5
PDF
Japanese
Product Specification

GRACE INERTIA CONNECTOR 2.5
TIF
Japanese

GRACE INERTIA CONNECTOR 2.5
PDF
Japanese
Qualification Test Report

Grace Inertia Connector 2.5
PDF
Japanese

Grace Inertia Connector 2.5
TIF
Japanese

FEATURES



Please review product documents or [contact us](#) for the latest agency approval information.
Please Note: Use the Product Drawing for all design activity.

Product Type Features
Connector System Wire-to-Board
PCB Mounting Orientation Vertical
Sealable No
Connector & Contact Terminates To Printed Circuit Board
Product Type Connector
Connector Type Header
Connector Style Plug
Glow Wire Rating Standard Part - Not Glow Wire
Strain Relief Without

Configuration Features

Number of Positions 2

Number of Rows 1

Backwall/Post Interruptions Without

Electrical Characteristics

Operating Voltage (VAC) 50

Operating Voltage (VDC) 50

Contact Features

Underplate Material Nickel

Contact Mating Area Plating Material Gold

Contact Mating Area Plating Thickness .3 μm [11.81 μin]

Contact Current Rating (Max) (A) 3

Underplate Material Thickness 1.27 μm, 50 μin

Contact Base Material Brass

Contact Layout Inline

Tail Plating Thickness .8 μm [31.496 μin]

Contact Termination Area Plating Material Tin

Contact Termination Area Plating Thickness (μm) .8

Contact Transmits (Typical) Signal (Data)

Tail Plating Material Tin

Contact Type Tab

Termination Features

Termination Method to PC Board Through Hole - Solder

Termination Method to Wire/Cable Solder

Mechanical Attachment

Panel Mount Feature Without

PCB Mounting Style Through Hole

PCB Mount Alignment With

PCB Mount Alignment Type Locating Posts

Mating Retention With

PCB Mount Retention Without

Mating Alignment With

Mating Retention Type Latch

Mating Alignment Type Polarization

Contact Retention Without

Housing Features

Centerline (Pitch) 2.5 mm [.098 in]

Housing Material Nylon

Housing Color Red

Dimensions

Tab Width .0276 in, .7 mm

Height .444 mm [11.3 in]

Tail Length 3 mm [.118 in]

PCB Thickness (Recommended) 1.6 mm [.063 in]

Length 7.5 mm [.295 in]

Wire/Cable Size (AWG) 28 – 20

Wire/Cable Size (mm²) 10.15 – 64.9

Usage Conditions

Operating Temperature Range -30 – 105 °C [-22 – 221 °F]

Operation/Application

Pick and Place Cover Without
For Use With Plug Housing

Industry Standards

UL Flammability Rating UL 94V-0

Packaging Features

Packaging Method Bag
Packaging Quantity 400

PRODUCT COMPLIANCE



Statement of Compliance

Statement of Compliance
PDF