



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
