1871843-5 Product Details



Active

View 3D PDF

2, 2.5, 3.3, 3.5, 3.96 & 6.2 Centerline 600 V, 12 A max.

GIC2.5 HDR ASSY TIN VERSION 5P NATURAL

1871843-5

TE Internal Number: 1871843-5

Product Highlights View All

- Grace Inertia Connector Product Line
- Wire-to-Board
- Applies To Printed Circuit Board
- Glow Wire Rating = Standard Part - Not Glow Wire
- Connector

Pricing & Availability
Request Sample
Add to My Part List
Buy Product through Distributor

Product Drawings

GRACE INERTIA CONNECTOR 2.5 HDR ASSY TIN VERSION (PDF, Japanese) .tif available

CAD Files
Click for CAD Format Information

2D Drawing (DXF, Version C, ZIP)

3D Model (IGES, Version C, ZIP)

3D Model (STEP, Version C, ZIP)

Product Specifications

Product Specification

GRACE INERTIA CONNECTOR 2.5 TIN PLATING TYPE (PDF, Japanese)

Application Specification

CRIMPING GRACE INERTIA CONNECTOR 2.0 AND 2.5 (PDF, Japanese)

Qualification Test Report

Qualification Test Repot GIC 2.5 Connector Tin Plati... (PDF, Japanese)

Please Note:
Use the Product Drawing for all design activity

Product Type Features

Product Line	Grace Inertia Connector
Product Type	Connector
Connector Type	Header
PCB Mounting Orientation	Vertical
PCB Mount Retention	With
PCB Mount Retention Type	Kinked
PCB Mount Alignment	With
PCB Mount Alignment Type	Locating Post(s)
Sealed	No

Mechanical Attachment

Mating Retention Type	Latch(ing)

Electrical Characteristics

Housing Features

Connector Style	Plug
Centerline (mm [in])	2.50 [0.098]
Housing Material	Nylon 6/6 GF
Housing Color	Natural
Mating Alignment	With
Mating Alignment Type	Polarization

Configuration Features

Number of Positions	5
Number of Rows	1

Industry Standards

RoHS/ELV Compliance Help information about RoHS/ELV Compliance	RoHS compliant, ELV compliant
Lead Free Solder	

Related Products

Not quite the product you're looking for?

Find Similar Products

View Part in Product Feature Selector

Check for Tooling

Downloaded from Arrow.com.

Contact - Rated Current (A)	1.5 – 2.7
Operating Voltage Reference	AC/DC
Operating Voltage (VAC)	50
Operating Voltage (VDC)	50

Termination Features

Termination Method to Wire/Cable	Solder
Termination Method to PC Board	Through Hole - Solder

Dimensions

Tab Width (mm [in])	0.7 [0.0276]
Tail Length (mm [in])	3 [0.118]
PCB Thickness, Recommended (mm [in])	1.60 [0.063]

Body Features

Mating Retention	With

Contact Features

Contact Type	Tab
Contact Layout	In-Line
Contact Base Material	Brass
Contact Plating, Mating Area, Material	Tin
Contact Plating, Mating Area, Thickness (µm [µin])	1 [39.37]
Multiple Contact Types	Without
Tail Plating Material	Tin
Tail Plating Thickness (µm [µin])	1 [39.37]
Underplate Material	Nickel
Underplate Material Thickness (µm [µin])	1.27 [50.000]

Lead Free Solder Processes Help information about Lead Free Solder Processes	Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C
RoHS/ELV Compliance History	Always was RoHS compliant
UL Flammability Rating	UL 94V-0

Environmental

Operating Temperature (°C [°F])	-30 – +105 [-22 – +221]

Conditions for Usage

Applies To	Printed Circuit Board
Glow Wire Rating	Standard Part - Not Glow Wire
For Use With	Mates with (x-1747066-5)

Operation/Application

Application Use	Wire-to-Board
Contact Transmits (Typical Application)	Signal (Data)

Packaging Features

Packaging Method	Bag/Box
Packaging Quantity	300

Other

Brand	TE Connectivity

Product Compliance

EU RoHS/ELV Compliance	Always EU RoHS/ELV Compliant These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). These products also comply with the End of Life Vehicles Directive 2000/53/EC (ELV). The RoHS2 Directive requires certain electrical and electronic products be free (except for trace impurities) of mercury, cadmium, hexavalent chromium, PBB, PBDE and lead. Certain exemptions are allowed such as lead used as an alloying additive in copper, steel and aluminum. Finished electrical and electronic products will be CE marked as required by Directive 2011/65/EU (RoHS2). Components may not be CE marked.

Statement of Compliance

View All Product Compliance

Downloaded from Arrow.com.

© 2014 TE Connectivity Ltd. family of companies. All Rights Reserved

Provide Website Feedback

Downloaded from Arrow.com.