1747067-5 ✔ ACTIVE

Grace Inertia | GRACE INERTIA 2.5

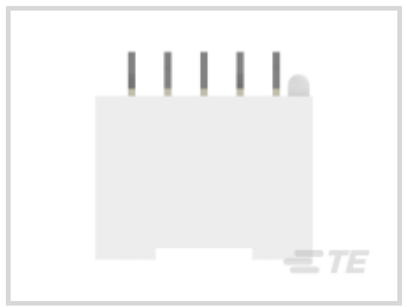
TE Internal #: 1747067-5

GRACE INERTIA 2.5, PCB Mount Header, Vertical, Wire-to-Board, 5 Position, 2.5mm [.098in] Centerline, 1 Row, Gold, Natural Housing Color

View on TE.com >

Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles





PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Wire-to-Board**

Number of Positions: **5**

Centerline (Pitch): **2.5 mm [.098 in]**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	5
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VAC

Contact Features

Contact Layout	Matrix
Contact Retention Within Housing	Without

PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
Mating Tab Width	.7 mm[.028 in]
Mating Tab Thickness	.5 mm[.02 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.3 µm[11.81 µin]
Contact Type	Tab
Contact Current Rating (Max)	3 A

Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Post & Tail Length	3 mm[.118 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Boss
Strain Relief	Without
PCB Mount Retention Type	Kinked
PCB Mount Alignment	With
Mating Retention	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
Housing Color	Natural
Housing Material	6/6 Nylon GF

Dimensions

Connector Length	15 mm[.59 in]
Connector Height	11.3 mm[.444 in]
Connector Width	6.8 mm[.26 in]

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

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Agency/Standard	UL

Packaging Features

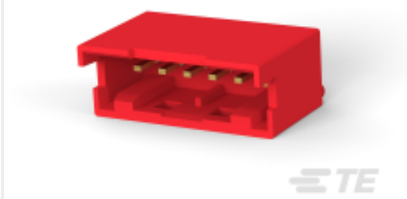
Packaging Quantity	300
Packaging Method	Bag

Product Compliance

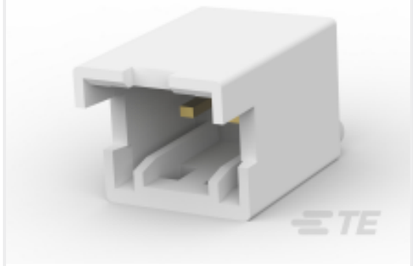
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2021 (219) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

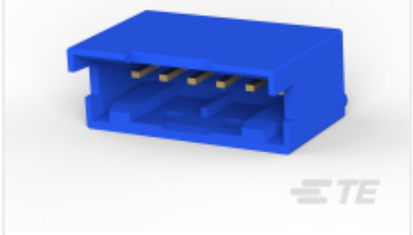
Compatible Parts



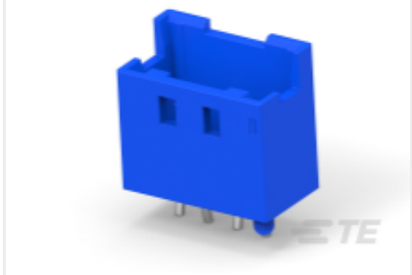
TE Part # 1-1747067-6
GRACE INERTIA CONN 2.5 HDR ASSY 6P RED



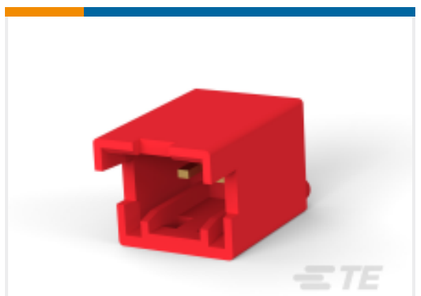
TE Part # 1747067-2
GRACE INERTIA CONN 2.5 HDR ASSY 2P NATUR



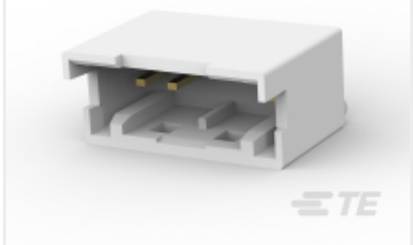
TE Part # 2-1747067-6
GRACE INERTIA CONN 2.5 HDR ASSY 6P BLUE



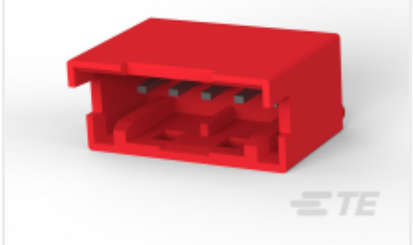
TE Part # 2-1747067-4
GRACE INERTIA CONN 2.5 HDR ASSY 4P BLUE



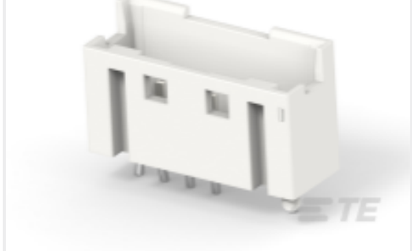
TE Part # 1-1747067-2
GRACE INERTIA CONN 2.5 HDR ASSY 2P RED



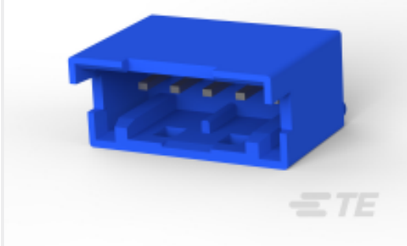
TE Part # 1827738-1
GIC 2.5 HDR ASSY SPECIAL 3/5P



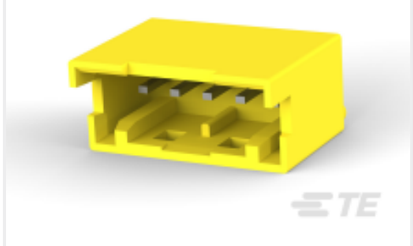
TE Part # 1-1871843-5
GIC 2.5 HDR ASSY TIN VERSION 5P RED



TE Part # 1747509-1
GRACE INERTIA CONN 2.5 HDR ASSY 5/7P NAT



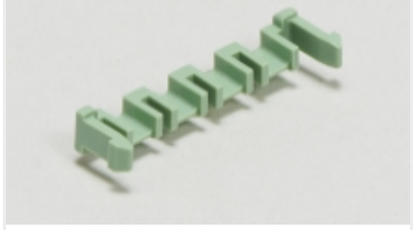
TE Part # 2-1871843-5
GIC 2.5 HDR ASSY TIN VERSION 5P BLUE



TE Part # 3-1871843-5
GIC 2.5 HDR TIN VERSION 5P YELLOW

Also in the Series | GRACE INERTIA 2.5

Connector Contacts(2)



PCB Latches, Locks & Retainers(5)

Rectangular Connector Housings(49)

Rectangular Connector Locking(2)

Rectangular Power Connectors(36)

Wire-to-Board Connector Assemblies & Housings(69)

Wire-to-Board Connector Contacts(4)

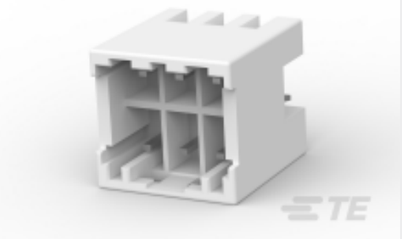
Wire-to-Board Headers & Receptacles (138)

Customers Also Bought

TE Part #1-1318118-9
Receptacle and Tab Housing: 2.5 mm pitch, 250V

TE Part #170327-1
250 PL MKII REC. 22-18AWG PTBR

TE Part #170213-2
250 FASTON,REC.,18-14 AWG,TPBR



TE Part #1747052-5
Glow Wire GRACE INERTIA Header

TE Part #1747067-6
GRACE INERTIA CONN 2.5 HDR ASSY 6P NATUR

TE Part #7-1747072-6
GRACE INERTIA CONN 2.5 ON TAPE HDR 6P BL

TE Part #2-178841-4
AMP U/P SGL ROW HDR ASSY V 4P

Documents

Product Drawings

GRACE INERTIA CONN 2.5 HDR ASSY 5P NATUR

Japanese

CAD Files

Customer View Model

ENG_CVM_CVM_1747067-5_C.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1747067-5_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1747067-5_C.3d_stp.zip

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

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