

# AMP DUOPLUG2.5 MK II HOUSING W. PCB

LOCK  ACTIVE

RAST

TE Part # 2-1740918-3

TE Internal #: 2-1740918-3

[View on TE.com >](#)



Connectors > PCB Connectors > Card Edge Connectors > Standard Edge Connectors



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

Number of Positions: **3**

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

Termination Method to Wire & Cable: **Insulation Displacement Crimp (IDC)**

Locking Clip Location: **None**

## Features

### Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Wire/Cable Type                   | Stranded              |
| Connector System                  | Wire-to-Board         |
| Connector Style                   | Receptacle            |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

|   |                    |
|---|--------------------|
| Card Entry Style                        | Side               |
| Number of Insulation Displacement Slots | 3                  |
| Number of Positions                     | 3                  |
| Number of Rows                          | 1                  |
| Connector Contact Load Condition        | Selectively Loaded |
| PCB Mount Orientation                   | Right Angle        |

### Electrical Characteristics

|                   |       |
|-------------------|-------|
| Operating Voltage | 250 V |
|-------------------|-------|

### Contact Features

|  |          |
|--|----------|
| Contact Type                                   | Socket   |
| Contact Mating Area Plating Material Thickness | 3 – 6 µm |
| Contact Mating Area Plating Material           | Tin      |
| PCB Contact Termination Area Plating Material  | Tin      |
| Contact Base Material                          | CuSn     |
| Contact Current Rating (Max)                   | 2 A      |

### Termination Features

|                                    |                                     |
|------------------------------------|-------------------------------------|
| Termination Method to Wire & Cable | Insulation Displacement Crimp (IDC) |
|------------------------------------|-------------------------------------|

### Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Mating Alignment        | With                       |
| Mating Retention        | Without                    |
| Mating Alignment Type   | Keyed                      |
| Contact Retention       | With                       |
| Contact Retention Type  | Locking Lance              |
| Panel Mount Feature     | Without                    |
| Locking Clip Location   | None                       |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

### Housing Features

|                             |                 |
|-----------------------------|-----------------|
| Housing Entry Configuration | One End Open    |
| Centerline (Pitch)          | 2.5 mm[.098 in] |
| Housing Color               | Natural         |
| Housing Material            | PA 6 GF         |

### Dimensions

|  |                              |
|--|------------------------------|
| Height                                 | 7.3 mm[.287 in]              |
| PCB Thickness (Recommended)            | 1.5 mm[.059 in]              |
| Accepts Wire Insulation Diameter Range | 1.2 – 1.4 mm[.047 – .055 in] |
| Wire Size                              | .22 – .35 mm <sup>2</sup>    |

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 110 °C[-40 – 230 °F] |
|-----------------------------|----------------------------|

### Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

### Packaging Features



|                    |       |
|--------------------|-------|
| Packaging Method   | Box   |
| Packaging Quantity | 15400 |

### 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: JAN 2019 (197)<br>Candidate List Declared Against: JAN 2019 (197) |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.   |
| Solder Process Capability                     | Not applicable for solder process capability   |

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

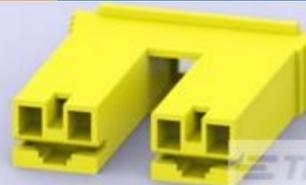
### Customers Also Bought



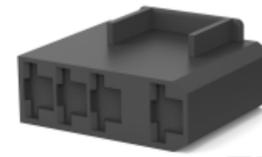
TE Part #1-1740501-3  
AMP DUOPLUG2.5 MK II HOUSING W. PCB LOCK



TE Part #3-177899-1  
POWER DBL LOCK PLUG HSG 3P



TE Part #1-520935-6  
HSG,RECP,POSILOCK&STD FAST250



TE Part #1-520987-4  
FASTON 250 REC HSG 4 CIR BLK



## Documents

### Product Drawings

[AMP DUOPLUG2.5 MK II HOUSING W. PCB LOCK](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1740918-3\\_D\\_c-2-1740918-3-d.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1740918-3\\_D\\_c-2-1740918-3-d.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1740918-3\\_D\\_c-2-1740918-3-d.3d\\_stp.zip](#)

English

### Datasheets & Catalog Pages

[1654742\\_HOUSEHOLD\\_APPLIANCES\\_RAST2.5](#)

English

### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[TE Material Declaration](#)

English



[Agency Approvals](#)

[VDE Certificate](#)

English