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Part Number:

46437-3012

Status:

Active

Overview:

EXTreme Ten60Power™ High-Current Connector

Description:

2.54mm, 5.50mm, 7.50mm Pitch EXTreme Ten60Power™ Right Angle Plug Assembly with Top Guide Pins, 4 DC Power Circuits, 24 Signal Circuits, 3 AC Power Circuits

Documents:

3D Model

Application Specification AS-46436-100 (PDF)

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Product Specification PS-46436-100 (PDF)

Agency Certification

|     |           |
|-----|-----------|
| CSA | LR19980   |
| TUV | R72081037 |
| UL  | E29179    |

General

|                |                                            |
|----------------|--------------------------------------------|
| Product Family | PCB Headers                                |
| Series         | 46437                                      |
| Application    | Board-to-Board, Power, Signal              |
| Comments       | See PS-46436-100 for details               |
| Overview       | EXTreme Ten60Power™ High-Current Connector |
| Product Name   | EXTreme Ten60Power™                        |
| UPC            | 883906918088                               |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| (p)ower-(s)ignal Configuration | 4p - 24s - 3p                  |
| Breakaway                      | No                             |
| Circuits (Loaded)              | 31                             |
| Circuits (maximum)             | 31                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 200                            |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | No                             |
| Guide to Mating Part           | Yes                            |
| Keying to Mating Part          | None                           |
| Lock to Mating Part            | No                             |
| Mated Height                   | 18.00mm                        |
| Material - Metal               | Copper                         |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 20.000/g                       |
| Number of Rows                 | 1                              |
| Orientation                    | Right Angle                    |
| PC Tail Length                 | 2.84mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.58mm                         |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 2.54mm, 5.50mm, 7.50mm         |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Shrouded                       | No                             |
| Stackable                      | No                             |

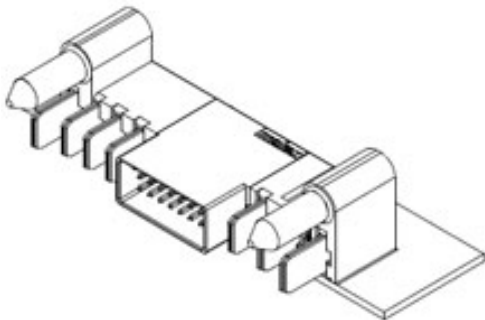


image - Reference only

Series

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

46437Series

Mates With

EXTreme Ten60Power™ Vertical Receptacle 46436-3012 , 46562-3012

|                                |                              |
|--------------------------------|------------------------------|
| Surface Mount Compatible (SMC) | No                           |
| Temperature Range - Operating  | -40°C to +105°C              |
| Termination Interface: Style   | Through Hole - Compliant Pin |

**Electrical**

|                               |                   |
|-------------------------------|-------------------|
| Current - Maximum per Contact | 2.5A, 60.0A       |
| Voltage - Maximum             | 600V AC / 250V DC |

**Material Info**

**Reference - Drawing Numbers**

|                           |              |
|---------------------------|--------------|
| Application Specification | AS-46436-100 |
| Product Specification     | PS-46436-100 |
| Sales Drawing             | SD-46437-312 |

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