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**Part Number:** [0714362264](#)

**Status:** **Active**

**Description:** 1.00mm (.039") Pitch Mezzanine IEEE 1386 Plug, Surface Mount, Dual Row, Vertical Stacking, 64 Circuits, 8.35mm (.329") Unmated Height, without PCB Locator Pegs, with Robotic Placement Metal Cap, 1.27µm (50µ") Gold (Au) Selective Plating, Embos

**Documents:**

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-71436-9999 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

**General**

|                |                       |
|----------------|-----------------------|
| Product Family | PCB Headers           |
| Series         | <a href="#">71436</a> |
| Application    | Board-to-Board        |
| Product Name   | Mezzanine             |

**Physical**

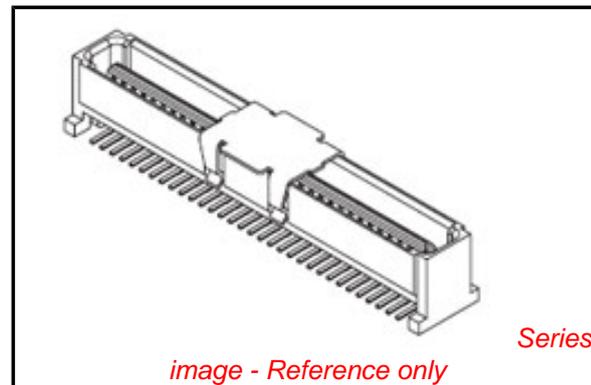
|                                |  |
|--------------------------------|--|
| Breakaway                      | No                                     |
| Circuits (Loaded)              | 64                                     |
| Circuits (maximum)             | 64                                     |
| Color - Resin                  | Natural                                |
| Glow-Wire Compliant            | No                                     |
| Lock to Mating Part            | None                                   |
| Mated Height (in)              | 0.394 In, 0.472 In, 0.512 In, 0.591 In |
| Mated Height (mm)              | 10.00 mm, 12.00 mm, 13.00 mm, 15.00 mm |
| Material - Metal               | Phosphor Bronze                        |
| Material - Plating Mating      | Gold                                   |
| Material - Plating Termination | Tin                                    |
| Material - Resin               | High Temperature Thermoplastic         |
| Number of Rows                 | 2                                      |
| Orientation                    | Vertical                               |
| PCB Locator                    | No                                     |
| PCB Retention                  | None                                   |
| PCB Thickness Recommended (in) | 0.040 In                               |
| PCB Thickness Recommended (mm) | 1.00 mm                                |
| Packaging Type                 | Embossed Tape on Reel                  |
| Pitch - Mating Interface (in)  | 0.039 In                               |
| Pitch - Mating Interface (mm)  | 1.00 mm                                |
| Plating min: Mating (µin)      | 50.8                                   |
| Plating min: Mating (µm)       | 1.27                                   |
| Plating min: Termination (µin) | 76.4                                   |
| Plating min: Termination (µm)  | 1.91                                   |
| Polarized to Mating Part       | No                                     |
| Robotic Placement              | Pick and Place Cap                     |
| Shrouded                       | Fully                                  |
| Stackable                      | No                                     |
| Temperature Range - Operating  | -55°C to +85°C                         |
| Termination Interface: Style   | Surface Mount                          |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1A   |
| Voltage - Maximum             | 100V |

**Solder Process Data**

|                              |                           |
|------------------------------|---------------------------|
| Lead-free Process Capability | Reflow Capable (SMT only) |
| Process Temperature max. C   | 260                       |



*image - Reference only*

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

**Contains SVHC: No**

**Halogen-Free**

**Status**

**Halogen-Free**

**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**

[71436Series](#)

**Mates With**

[714390](#) for Stack Height 10mm, [714391](#) for Stack Height 12mm, [714392](#) for Stack Height 13mm, [714393](#) for Stack Height 15mm

**Material Info**

**Reference - Drawing Numbers**

Product Specification

Sales Drawing

PS-71436-9999

SDA-71436-2\*\*\*

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WHITE (NATURAL) MATERIAL

| CIRCUIT SIZE | PLUG ASSEMBLY ITEM NUMBER | PEGS | CONTACT PLATING (SEE PLATING NOTES) | PICK & PLACE CAP | PACKAGING SPEC. NUMBER | PACKAGING TYPE |
|--------------|---------------------------|------|-------------------------------------|------------------|------------------------|----------------|
| 64           | 71436-2164                | YES  | 30 GOLD                             | NO               | PK-70873-0607          | TUBE           |
| 64           | 71436-2364                | YES  | 30 GOLD                             | YES              | PK-70873-0607          | TUBE           |
| 64           | 71436-2464                | YES  | 30 GOLD                             | YES              | PK-70873-063           | TAPE & REEL    |
| 64           | 71436-2564                | NO   | 30 GOLD                             | NO               | PK-70873-0606          | TUBE           |
| 64           | 71436-2764                | NO   | 30 GOLD                             | YES              | PK-70873-0606          | TUBE           |
| 64           | 71436-2864                | NO   | 30 GOLD                             | YES              | PK-70873-063           | TAPE & REEL    |
| 64           | 71436-2264                | NO   | 50 GOLD                             | YES              | PK-70873-063           | TAPE & REEL    |
| 64           | 71436-2664                | YES  | 50 GOLD                             | NO               | PK-70873-0607          | TUBE           |
| 64           | 71436-2064                | NO   | 50 GOLD                             | NO               | PK-70873-0607          | TUBE           |

PLATING NOTES:

30 GOLD: SELECTIVE GOLD (Au) IN THE CONTACT AREA;  
 THICKNESS = 0.76 MICROMETERS (30 MICROINCHES) MINIMUM;  
 SELECTIVE TIN (Sn) IN THE PC TAIL AREA;  
 THICKNESS = 1.88 MICROMETERS (75 MICROINCHES) MINIMUM;  
 NICKEL UNDERPLATE OVERALL.

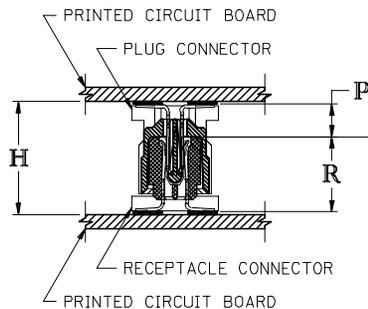
50 GOLD: SELECTIVE GOLD (Au) IN THE CONTACT AREA;  
 THICKNESS = 1.27 MICROMETERS (50 MICROINCHES) MINIMUM;  
 SELECTIVE TIN (Sn) IN THE PC TAIL AREA;  
 THICKNESS = 1.88 MICROMETERS (75 MICROINCHES) MINIMUM;  
 NICKEL UNDERPLATE OVERALL.

BLACK MATERIAL WITH PICK & PLACE CAP

| CIRCUIT SIZE | PLUG ASSEMBLY ITEM NUMBER | PEGS | CONTACT PLATING (SEE NOTES PAGE2) | PICK & PLACE CAP | PACKAGING SPEC. NUMBER | PACKAGING TYPE |
|--------------|---------------------------|------|-----------------------------------|------------------|------------------------|----------------|
| 64           | 71436-2964                | NO   | 30 GOLD                           | YES              | PK-70873-063           | TAPE & REEL    |
|              |                           |      |                                   |                  |                        |                |

RECOMMENDED PLUG/RECEPTACLE COMBINATION FOR MATED STACK HEIGHT PER EIA STANDARD 700 AAAB

| MATED STACK HEIGHT | RECEPTACLE HEIGHT | RECEPTACLE SERIES NO. | PLUG HEIGHT | PLUG SERIES NO. |
|--------------------|-------------------|-----------------------|-------------|-----------------|
| 10.00/.394         | 5.30/.209         | 71439-0***            | 4.30/.169   | 71436-2***      |
| 12.00/.472         | 7.30/.287         | 71439-1***            | 4.30/.169   | 71436-2***      |
| 13.00/.512         | 8.30/.327         | 71439-2***            | 4.30/.169   | 71436-2***      |
| 15.00/.591         | 10.30/.406        | 71439-3***            | 4.30/.169   | 71436-2***      |



PLUG STACK HEIGHT  
 + RECEPTACLE STACK HEIGHT  
 + 0.40/.016 (SOLDER PASTE ALLOWANCE)  
 = MATED STACK HEIGHT

BOTTOMING SURFACE

P = PLUG STACK HEIGHT  
 R = RECEPTACLE STACK HEIGHT  
 H = MATED STACK HEIGHT

|  |                          |                                       |   |                 |                    |  |  |
|--|--------------------------|---------------------------------------|---|-----------------|--------------------|--|--|
| ADD 71436-2064/-2664<br>EC NO: UCP2007-2420<br>DRWN:MSIBARRA 2007/05/08<br>CHKD:DMORGAN 2007/05/17<br>APPR:SMILLER 2007/05/18<br>REVISIONS | QUALITY SYMBOLS          | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE   | SCALE           | DESIGN UNITS       | THIRD ANGLE PROJECTION   |  |
|  | $\nabla=0$<br>$\nabla=0$ | mm INCH                               | MM/IN   | ---             | INCH               |  |  |
|  |                          | 4 PLACES ± --- ± ---                  | DRAWN BY DATE   | REED 1995/03/23 | TITLE              | SALES ASSY, 1.0MM BOARD TO BOARD PLUG CONNECTOR 4.30/.169 STACK HEIGHT |  |
|  |                          | 3 PLACES ± --- ± ---                  | CHECKED BY DATE   | REED 1995/03/23 | MOLEX INCORPORATED |  |  |
|  | 2 PLACES ± --- ± ---     | APPROVED BY DATE                      | BIXLER 1995/03/23   | MATERIAL NO.    | DOCUMENT NO.       | SHEET NO.  |  |
|  | 1 PLACE ± --- ± ---      | ANGULAR ±1/2°                         |   | SEE TABLE       | SDA-71436-2***     | 2 OF 2   |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   |                          |                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                 |                    |  |  |