

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0714361364](#)
Status: **Active**
Description: 1.00mm (.039") Pitch Mezzanine IEEE 1386 Plug, Surface Mount, Dual Row, Vertical Stacking, 64 Circuits, 7.35mm (.289") Unmated Height, with PCB Locator Pegs, with Robotic Placement Metal Cap, Tube Packaging

Documents:

[3D Model](#) [Product Specification PS-71436-9999 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [71436](#)
 Application Board-to-Board
 Product Name Mezzanine

Physical

Breakaway No
 Circuits (Loaded) 64
 Circuits (maximum) 64
 Color - Resin Natural
 Flammability 94V-0
 Glow-Wire Compliant No
 Lock to Mating Part None
 Mated Height (in) 0.354 In, 0.433 In, 0.551 In
 Mated Height (mm) 11.00 mm, 14.00 mm, 9.00 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 Yes
 PCB Retention None
 PCB Thickness Recommended (in) 0.040 In
 PCB Thickness Recommended (mm) 1.00 mm
 Packaging Type Tube
 Pitch - Mating Interface (in) 0.039 In
 Pitch - Mating Interface (mm) 1.00 mm
 Plating min: Mating (µin) 30.4
 Plating min: Mating (µm) 0.76
 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

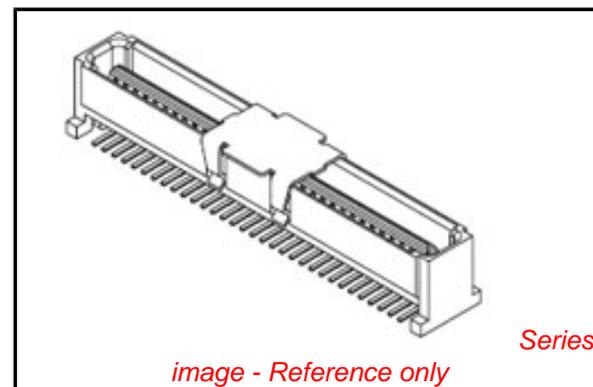


image - Reference only

EU RoHS

ELV and RoHS Compliant
REACH SVHC
 Not Reviewed
Halogen-Free Status

China RoHS



Not Reviewed

Need more information on product environmental compliance?

Email 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 9mm, [714391](#) for Stack Height 11mm, [714393](#) for Stack Height 14mm

Voltage - Maximum

100V

Solder Process Data

Lead-free Process Capability
Process Temperature max. C

Reflow Capable (SMT only)
260

Material Info

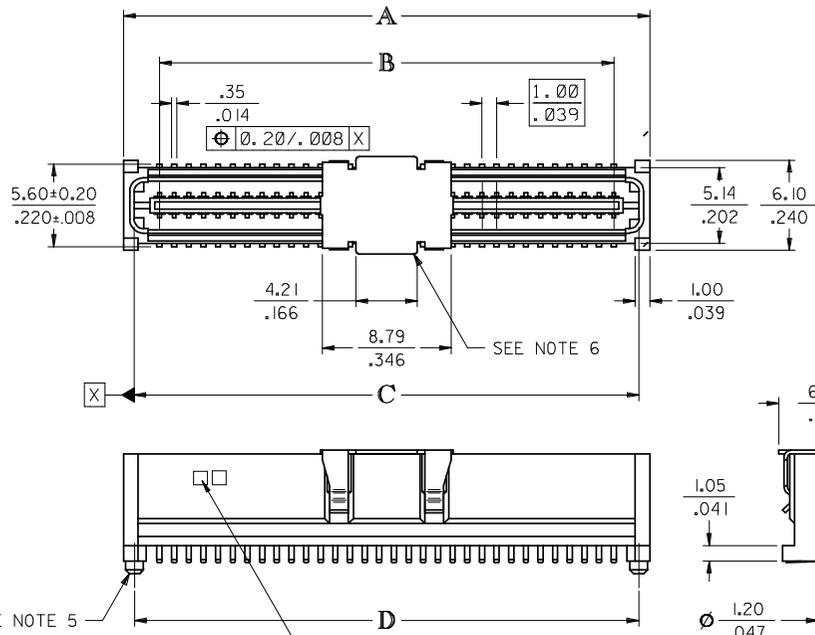
Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-71436-9999
SDA-71436-1***

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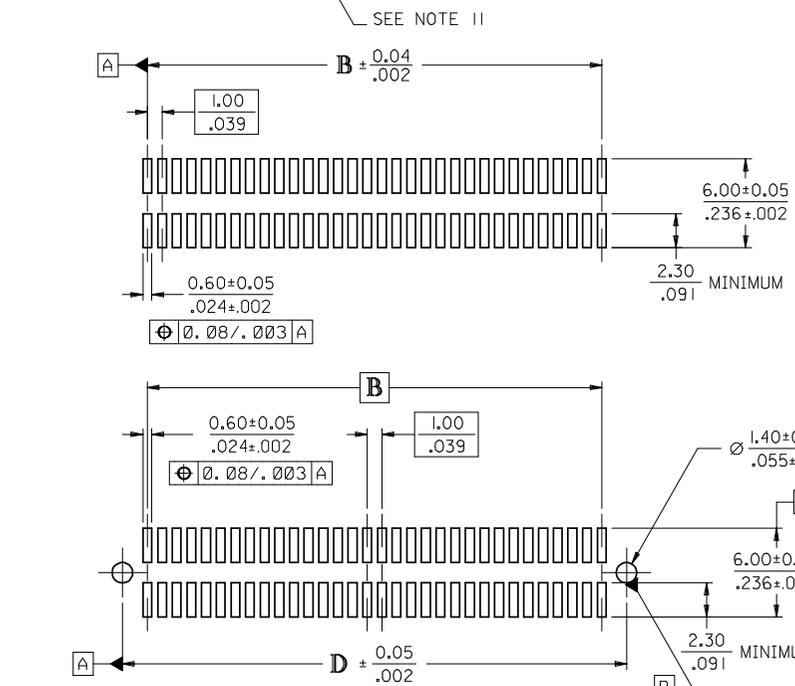
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| CIRCUIT SIZE | DIM. A | DIM. B | DIM. C | DIM. D |
|--------------|----------------|----------------|----------------|----------------|
| 20 | 13.90 .547 | 9.00 .354 | 12.58 .495 | 12.40 .488 |
| 30 | 18.90 .744 | 14.00 .551 | 17.58 .692 | 17.40 .685 |
| 40 | 23.90 .941 | 19.00 .748 | 22.58 .889 | 22.40 .882 |
| 50 | 28.90 1.138 | 24.00 .945 | 27.58 1.086 | 27.40 1.079 |
| 60 | 33.90 1.335 | 29.00 1.142 | 32.58 1.283 | 32.40 1.276 |
| 64 | 35.90 1.413 | 31.00 1.220 | 34.58 1.361 | 34.40 1.354 |
| 70 | 38.90 1.531 | 34.00 1.339 | 37.58 1.480 | 37.40 1.472 |
| 80 | 43.90 1.728 | 39.00 1.535 | 42.58 1.676 | 42.40 1.669 |
| 84 | 45.90 1.807 | 41.00 1.614 | 44.58 1.755 | 44.40 1.748 |
| 90 | 48.90 1.925 | 44.00 1.732 | 47.58 1.873 | 47.40 1.866 |
| 100 | 53.90 2.122 | 49.00 1.929 | 52.58 2.070 | 52.40 2.063 |
| 110 | 58.90 2.319 | 54.00 2.126 | 57.58 2.267 | 57.40 2.260 |
| 120 | 63.90 2.516 | 59.00 2.323 | 62.58 2.464 | 62.40 2.457 |

NOTES:

- HOUSING MATERIAL: G.F. THERMOPLASTIC; UL RATING: 94V-0; COLOR: WHITE
NOTE: HOUSING COLOR FOR -1664 (ONLY) IS BLACK.
TERMINAL MATERIAL: PHOSPHOR BRONZE; 0.205/.0080 THICK
VACUUM CAP MATERIAL: STAINLESS STEEL; 0.255/.0100 THICK
- PLATING FINISHES: SEE SHEET 2.
- THIS PART, WHEN MATED WITH MOLEX 1.0mm RECEPTACLE CONNECTOR SERIES 71439, CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-71436-9999. REFER TO CHART ON SHEET 2 FOR MATED STACK HEIGHTS FOR THIS PLUG.
- PACKAGING SPECIFICATIONS: REFER TO CHART ON SHEET 2.
- PEGS ARE OPTIONAL. REFER TO CHART ON SHEET 2.
- VACUUM PICK & PLACE CAP IS OPTIONAL. REFER TO CHART ON SHEET 2.
- THIS PART CONFORMS TO EIA STANDARD 700 AAAB FOR 1.0mm TWO-PART CONNECTORS FOR USE WITH PARALLEL PRINTED BOARDS.
- COPLANARITY OF SMT TAILS: 0.10/.004 MAX.
- 64-CIRCUIT PLUG ASSEMBLY WITH PEGS AND VACUUM CAP SHOWN FOR ILLUSTRATION PURPOSES ONLY.
- DIMENSIONS ARE IN mm/In. INCH DIMENSIONS SHOWN FOR REFERENCE ONLY.
- DATE CODE STAMP IS WEEK, YEAR LOCATED APPROXIMATELY WHERE SHOWN.



**RECOMMENDED PCB LAYOUT
(WITH AND WITHOUT PEGS)**

RECOMMENDED PCB THICKNESS: 1.00±0.10/.039±.004 MINIMUM

| | |
|-----|-----|
| 2 | I |
| 1 | J |
| SHT | REV |

| | | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------|------------------------|-----------------------------|--|
| CORRECT DESIGN UNITS EC NO: UCP2008-2464 DRAWN: SIBARRA 2008/04/07 CHKD: BARKER 2008/04/16 APPR: MILLER 2008/04/16 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH | DIMENSION STYLE MM/IN | SCALE 4:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | |
| | 4 PLACES ±--- ±--- | 3 PLACES ±--- ±.005 | 2 PLACES ±0.13 ±.01 | 1 PLACE ±0.25 ±--- | ANGULAR ±1/2° | DRAWN BY REED 1995/03/23 | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | APPROVED BY BIXLER 1995/03/23 | TITLE SALES ASSY, 1.0MM BOARD TO BOARD PLUG CONNECTOR 3.30/130 STACK HEIGHT | | MOLEX MOLEX INCORPORATED | |
| | SEE TABLE | | DOCUMENT NO. SDA-71436-1*** | | SHEET NO. 1 OF 2 | | |

STANDARD

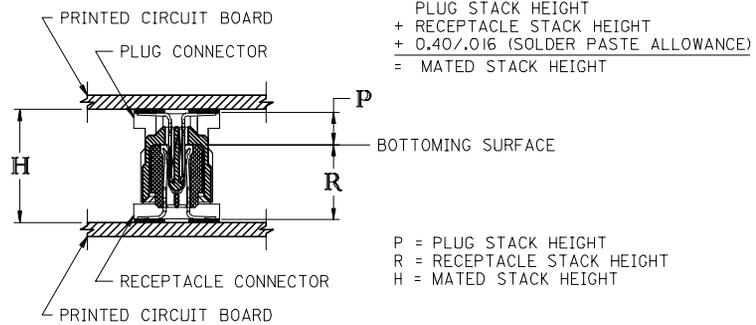
| CIRCUIT SIZE | PLUG ASSEMBLY ITEM NUMBER | PEGS | CONTACT PLATING SEE PLATING NOTES | PICK & PLACE CAP | PACKAGING SPEC. NUMBER | PACKAGING TYPE |
|--------------|---------------------------|------|-----------------------------------|---------------------|------------------------|----------------|
| 64 | 71436-1164 | YES | 30 GOLD | NO | PK-70873-0607 | TUBE |
| 64 | 71436-1364 | YES | 30 GOLD | YES | PK-70873-0607 | TUBE |
| 64 | 71436-1464 | YES | 30 GOLD | YES | PK-70873-063 | TAPE & REEL |
| 64 | 71436-1564 | NO | 30 GOLD | NO | PK-70873-0606 | TUBE |
| 64 | 71436-1664 | NO | 30 GOLD | YES MATTE FINISH | PK-70873-063 | TAPE & REEL |
| 64 | 71436-1764 | NO | 30 GOLD | YES | PK-70873-0606 | TUBE |
| 64 | 71436-1864 | NO | 30 GOLD | YES | PK-70873-063 | TAPE & REEL |
| 64 | 71436-1264 | YES | 50 GOLD | NO | PK-70873-0607 | TUBE |
| 64 | 71436-1064 | NO | 50 GOLD | NO | PK-70873-0607 | TUBE |

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. |
|--------------------|-------------------|-----------------------|-------------|-----------------|
| 9.00/.354 | 5.30/.209 | 71439-0*** | 3.30/.130 | 71436-1*** |
| 11.00/.433 | 7.30/.287 | 71439-1*** | 3.30/.130 | 71436-1*** |
| 14.00/.551 | 10.30/.406 | 71439-3*** | 3.30/.130 | 71436-1*** |

PLATING NOTES:

- 30 GOLD: 0.76 MICROMETERS(30 MICRONCHES) MINIMUM SELECTIVE GOLD (Au) IN THE CONTACT AREA
1.88 MICROMETERS(75 MICRONCHES) MINIMUM SELECTIVE TIN (Sn) IN THE PC TAIL AREA
NICKEL UNDERPLATE OVERALL
- 50 GOLD: 1.27 MICROMETERS(50 MICRONCHES) MINIMUM SELECTIVE GOLD (Au) IN THE CONTACT AREA
1.88 MICROMETERS(75 MICRONCHES) MINIMUM SELECTIVE TIN (Sn) IN THE PC TAIL AREA
NICKEL UNDERPLATE OVERALL



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

| | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------|--|
| ADD 71436-1064/-1264 EC NO: UCP2007-2420 DRWN:MSIBARRA 2007/05/08 CHKD:DMORGAN 2007/05/17 APPR:SMILLER 2007/05/18 REV: | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | |
| | $\nabla=0$ $\nabla=0$ | mm INCH | MM/IN | --- | INCH | | |
| | | 4 PLACES ± --- ± --- | DRAWN BY DATE | REED 1995/03/23 | TITLE | SALES ASSY, 1.0MM BOARD TO BOARD PLUG CONNECTOR 3.30/.130 STACK HEIGHT | |
| | | 3 PLACES ± --- ± --- | CHECKED BY DATE | REED 1995/03/23 | MATERIAL NO. | MOLEX INCORPORATED | |
| | 2 PLACES ± --- ± --- | APPROVED BY DATE | BIXLER 1995/03/23 | DOCUMENT NO. | SDA-71436-1*** | | |
| | 1 PLACE ± --- ± --- | ANGULAR ±1/2° | | SIZE | SHEET NO. 2 OF 2 | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE TABLE | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |