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**Part Number:** [0714392464](#)  
**Status:** **Active**  
**Description:** 1.00mm (.039") Pitch Mezzanine IEEE 1386 Receptacle, Surface Mount, Dual Row, Vertical Stacking, Embossed Tape on Reel, 0.76µm (30µ") Gold (Au), 64 Circuits Pick and Place Cap

**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 Receptacles  
Series [71439](#)  
Application Board-to-Board  
Comments Plugs  
Product Name Mezzanine

**Physical**

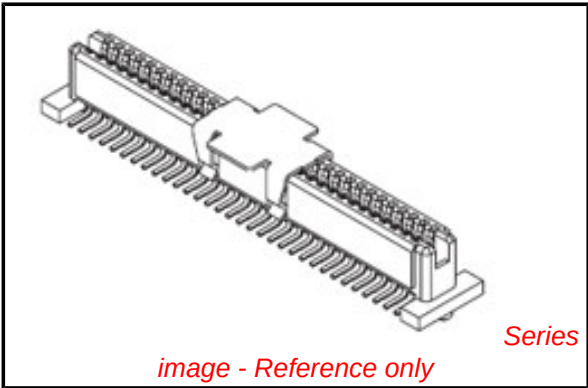
Circuits (Loaded) 64  
Color - Resin Natural  
Flammability 94V-0  
Glow-Wire Compliant No  
Lock to Mating Part Yes  
Mated Height (in) 0.512 In  
Mated Height (mm) 13.00 mm  
Material - Metal Phosphor Bronze  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Number of Rows 2  
Orientation Vertical  
PCB Locator Yes  
PCB Retention None  
Packaging Type Embossed Tape on Reel  
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 PCB No  
Robotic Placement Pick and Place Cap  
Surface Mount Compatible (SMC) N/A  
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



**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free**  
**Status**  
**Halogen-Free**



**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**  
[71439Series](#)

**Mates With**  
[714362](#) for Stack Height 13.00mm (.512")

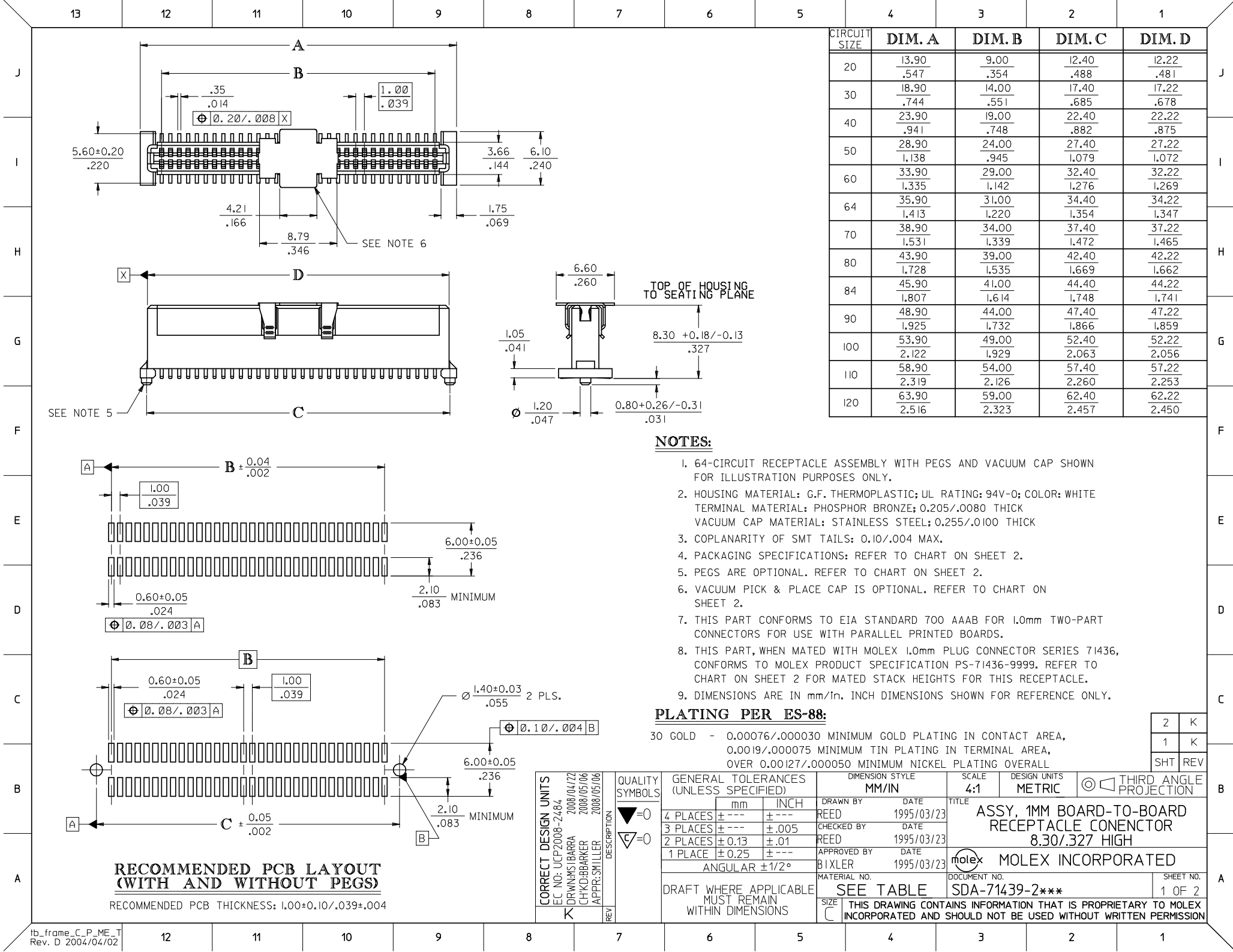
**Material Info**

**Reference - Drawing Numbers**

|                       |                |
|-----------------------|----------------|
| Product Specification | PS-71436-9999  |
| Sales Drawing         | SDA-71439-2*** |

This document was generated on 03/31/2010

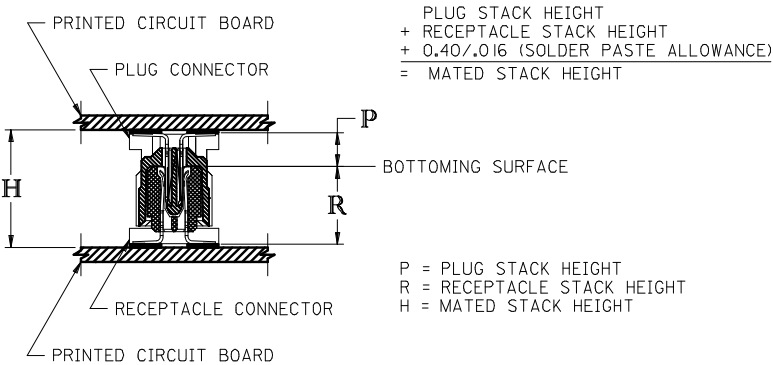
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| CIRCUIT SIZE | RECEPTACLE ASSY. ITEM NUMBER | PEGS | PICK & PLACE CAP | PACKAGING SPEC. NUMBER | PACKAGING TYPE |
|--------------|------------------------------|------|------------------|------------------------|----------------|
| 64           | 71439-2164                   | YES  | NO               | PK-70873-0601          | TUBE           |
| 64           | 71439-2864                   | NO   | YES              | PK-70873-063           | TAPE & REEL    |
| 64           | 71439-2564                   | NO   | NO               | PK-70873-0683          | TUBE           |

| CIRCUIT SIZE | RECEPTACLE ASSY. ITEM NUMBER | PEGS | PICK & PLACE CAP | PACKAGING SPEC. NUMBER | PACKAGING TYPE |
|--------------|------------------------------|------|------------------|------------------------|----------------|
| 64           | 71439-2464                   | YES  | YES              | PK-70873-063           | TAPE & REEL    |

| RECOMMENDED PLUG/RECEPTACLE COMBINATION FOR<br>MATED STACK HEIGHT PER EIA STANDARD 700 AAAB |                   |                       |             |                 |
|---------------------------------------------------------------------------------------------|-------------------|-----------------------|-------------|-----------------|
| MATED STACK HEIGHT                                                                          | RECEPTACLE HEIGHT | RECEPTACLE SERIES NO. | PLUG HEIGHT | PLUG SERIES NO. |
| 13.00/.512                                                                                  | 8.30/.327         | 71439-2***            | 4.30/.169   | 71436-2***      |



|                                                                                                                                         |             |                                   |                                                            |       |                          |                                                                                                                                  |                    |                                                                                                          |                                                                                                                 |                     |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------|------------------------------------------------------------|-------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------|--|--|
| CORRECT DESIGN UNITS<br>EC NO: UCP2008-2484<br>DRAWN:MS1BARRA 2008/04/22<br>CHKD:BBARKER 2008/05/06<br>APPR:SMILLER 2008/05/06<br><br>K | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |       | DIMENSION STYLE<br>MM/IN |                                                                                                                                  | SCALE<br>---       | DESIGN UNITS<br>METRIC                                                                                   |  THIRD ANGLE<br>PROJECTION |                     |  |  |
|                                                                                                                                         |             |                                   |                                                            | mm    | INCH                     | DRAWN BY<br>REED                                                                                                                 | DATE<br>1995/03/23 | TITLE<br>ASSY, 1MM BOARD-TO-BOARD<br>RECEPTACLE CONNECTOR<br>8.30/.327 HIGH                              |                                                                                                                 |                     |  |  |
|                                                                                                                                         |             |                                   | 4 PLACES                                                   | ± --- | ± ---                    | CHECKED BY                                                                                                                       | DATE               |                                                                                                          |                                                                                                                 |                     |  |  |
|                                                                                                                                         |             |                                   | 3 PLACES                                                   | ± --- | ± ---                    | REED                                                                                                                             | 1995/03/23         |                                                                                                          |                                                                                                                 |                     |  |  |
|                                                                                                                                         |             |                                   | 2 PLACES                                                   | ± --- | ± ---                    | APPROVED BY                                                                                                                      | DATE               |                                                                                                          |                                                                                                                 |                     |  |  |
|                                                                                                                                         |             |                                   | 1 PLACE                                                    | ± --- | ± ---                    | BIXLER                                                                                                                           | 1995/03/23         |  MOLEX INCORPORATED |                                                                                                                 |                     |  |  |
|                                                                                                                                         |             |                                   | ANGULAR ±1/2°                                              |       | MATERIAL NO.             |                                                                                                                                  | DOCUMENT NO.       |                                                                                                          |                                                                                                                 |                     |  |  |
|                                                                                                                                         |             |                                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SEE TABLE                |                                                                                                                                  | SDA-71439-2***     |                                                                                                          |                                                                                                                 | SHEET NO.<br>2 OF 2 |  |  |
|                                                                                                                                         |             |                                   |                                                            |       | SIZE<br>C                | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                                                                          |                                                                                                                 |                     |  |  |
|                                                                                                                                         |             |                                   |                                                            |       |                          |                                                                                                                                  |                    |                                                                                                          |                                                                                                                 |                     |  |  |