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Part Number: [0717423003](#)
Status: **Active**
Description: 1.00mm (.039") Pitch Mezzanine Receptacle, Surface Mount, Dual Row, Vertical Stacking, 84 Circuits

Documents:

[3D Model](#) [Product Specification PS-71741-9999 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Receptacles
 Series [71742](#)
 Application Board-to-Board
 Product Name Mezzanine

Physical

Circuits (Loaded) 84
 Color - Resin Natural
 Flammability 94V-0
 Glow-Wire Compliant No
 Lock to Mating Part Yes
 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 Embossed Tape on Reel
 Pitch - Mating Interface (in) 0.039 In
 Pitch - Mating Interface (mm) 1.00 mm
 Plating min: Mating (µin) 10
 Plating min: Mating (µm) 0.25
 Plating min: Termination (µin) 40.8
 Plating min: Termination (µm) 1.02
 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

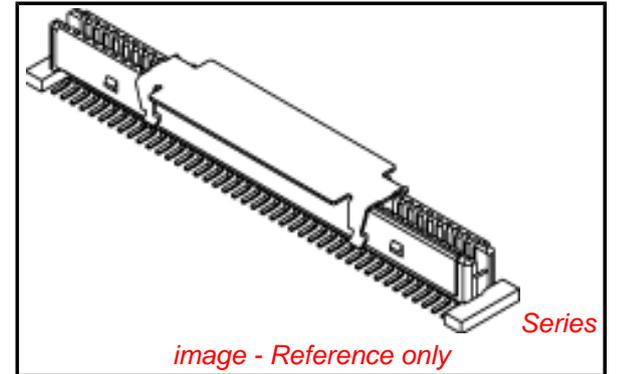
Electrical

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

Solder Process Data

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

Material Info



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
 For a multiple part number RoHS Certificate of
 Compliance, [click here](#)

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

China RoHS



Search Parts in this Series

[71742Series](#)

Mates With

[717410](#) for Stack Height 15mm, [717412](#) for
 Stack Height 13mm

Reference - Drawing Numbers

Product Specification
Sales Drawing

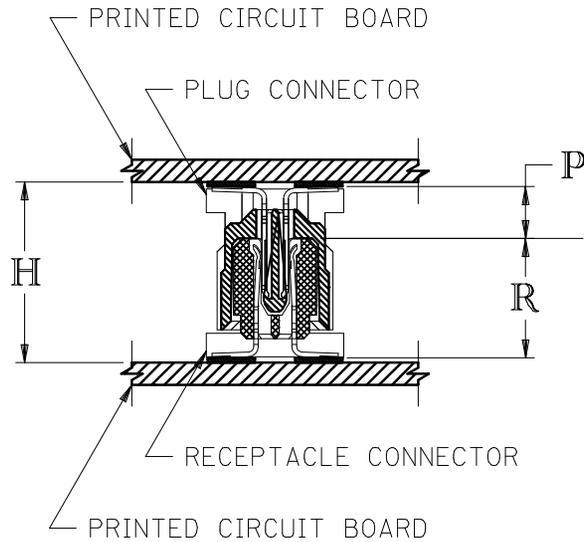
PS-71741-9999
SDA-71742-3***

This document was generated on 04/08/2010

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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.
15.00/.591	10.30/.406	71742-3***	4.30/.169	71741-0***
13.00/.512	10.30/.406	71742-3***	2.30/..091	71741-2***



$$\begin{aligned}
 & \text{PLUG STACK HEIGHT} \\
 & + \text{RECEPTACLE STACK HEIGHT} \\
 & + 0.40/.016 \text{ (SOLDER PASTE ALLOWANCE)} \\
 & = \text{MATED STACK HEIGHT}
 \end{aligned}$$

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

SEE SHEET 1 EC NO: UCP2009-2408 DRWN:BBARKER 2009/04/20 CHKD:JMORGAN 2009/04/20 APPR:SMILLER 2009/04/21	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <td></td> <td>mm</td> <td>INCH</td> </tr> <tr> <td>4 PLACES</td> <td>± .005</td> <td>± .0004</td> </tr> <tr> <td>3 PLACES</td> <td>± .005</td> <td>± .0004</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.13</td> <td>± .005</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± .010</td> </tr> </table> ANGULAR ±1/2°		mm	INCH	4 PLACES	± .005	± .0004	3 PLACES	± .005	± .0004	2 PLACES	± 0.13	± .005	1 PLACE	± 0.25	± .010	DIMENSION STYLE MM ONLY	SCALE DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				mm	INCH																
		4 PLACES		± .005	± .0004																
		3 PLACES		± .005	± .0004																
2 PLACES	± 0.13	± .005																			
1 PLACE	± 0.25	± .010																			
DRAWN BY WGM	DATE 97/08/04	TITLE SALES ASSY, 1.0MM 84 CKT BOARD-TO-BOARD RECPTACLE 10.3 STACK HEIGHT																			
CHECKED BY	DATE	MOLEX MOLEX INCORPORATED																			
APPROVED BY DJB	DATE 97/08/04	MATERIAL NO. SEE TABLE	DOCUMENT NO. SDA-71742-3***																		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

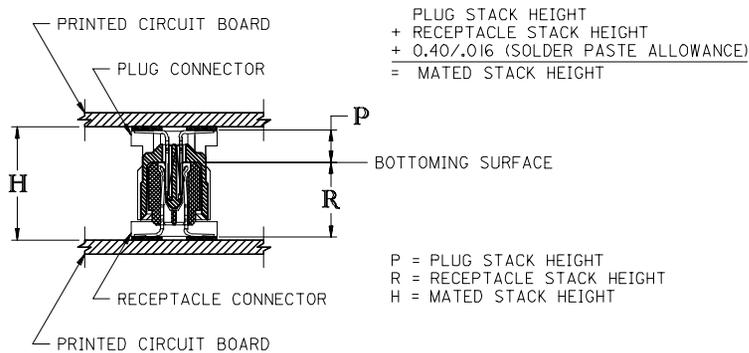
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MATED STACK HEIGHT PER EIA STANDARD 700 AAAB

MATED STACK HEIGHT	RECEPTACLE HEIGHT	RECEPTACLE SERIES NO.	PLUG HEIGHT	PLUG SERIES NO.
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13.00/.512	10.30/.406	71742-3***	2.30/..091	71741-2***



CHG TO NEW BORDER EC NO: UCP2007-1510 DRAWN BY: BARKER 2007/01/04 CHKD: MIBARRA 2007/01/04 APPR: SMILLER 2007/01/05	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	DRAWN BY KAS	DATE 98/12/28	TITLE SALES ASSEMBLY, 10 MM 84 CKT., BTB RECEPTACLE 10.30/.406 STACK HEIGHT				
		3 PLACES ± --- ± ---	CHECKED BY KAS	DATE 98/12/28	MOLEX INCORPORATED				
		2 PLACES ± --- ± ---	APPROVED BY DJB	DATE 98/12/28	MATERIAL NO. SEE TABLE	DOCUMENT NO. SDA-71742-3***	SHEET NO. 2 OF 2		
1 PLACE ± --- ± ---		ANGULAR ±1/2°		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			

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