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Part Number: [0717422002](#)
Status: **Active**
Description: 1.00mm (.039") Pitch Mezzanine Receptacle, Surface Mount, Dual Row, Vertical Stacking, 7.30mm (.406") Stack Height, 84 Circuits, 0.25µm (10µ") Gold Plating, Tube Packaging

Documents:

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

General

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

Physical

Circuits (Loaded) 84
 Color - Resin Natural
 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 Tube
 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

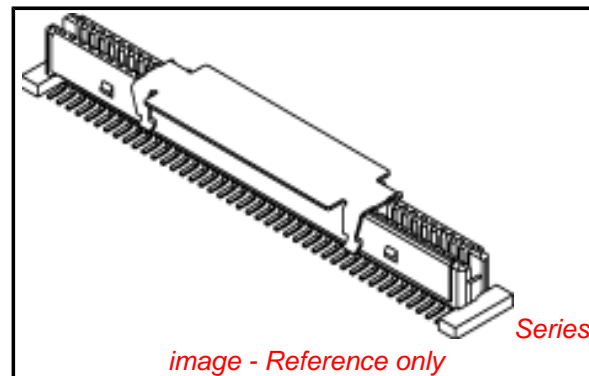
Current - Maximum per Contact 1A
 Voltage - Maximum 100V

Solder Process Data

Duration at Max. Process Temperature (seconds) 40
 Lead-free Process Capability Reflow Capable (SMT only)
 Max. Cycles at Max. Process Temperature 3
 Process Temperature max. C 260

Material Info

Reference - Drawing Numbers



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

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.

China RoHS



Search Parts in this Series

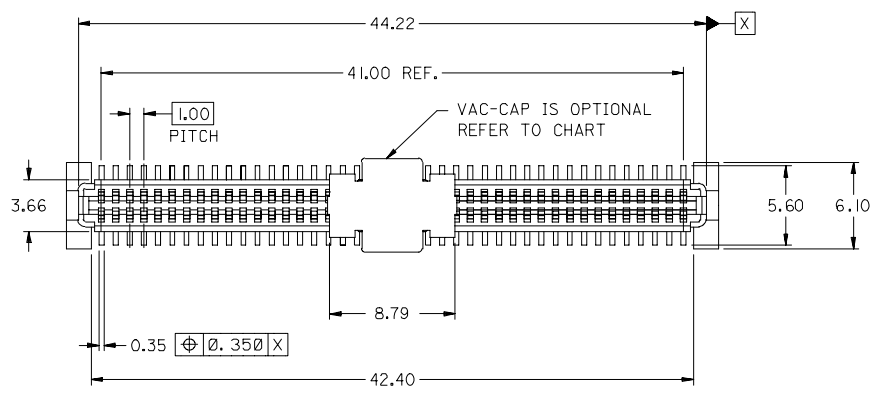
[71742Series](#)

Mates With

[717410](#) for Stack Height 12mm

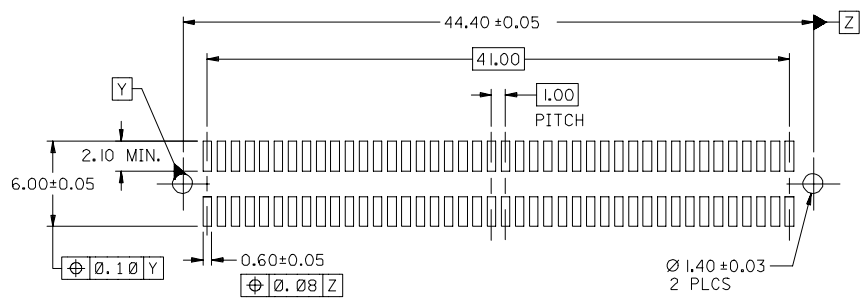
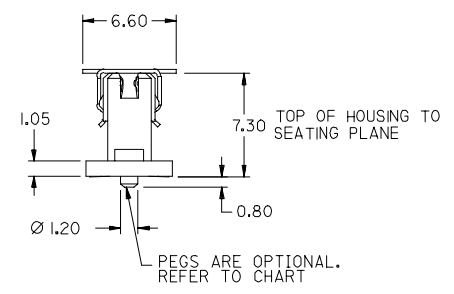
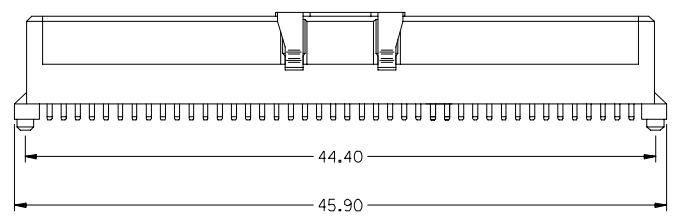
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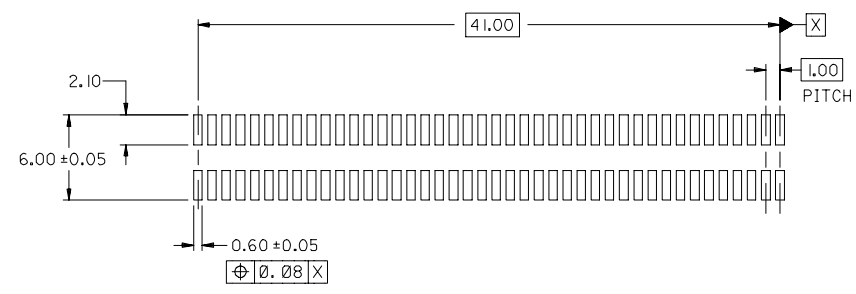
NOTES:

- HOUSING MATERIAL: G.F. THERMOPLASTIC; UL RATING: 94V-0; COLOR: WHITE. TERMINAL MATERIAL: PHOSPHOR BRONZE. VACUUM CAP MATERIAL: STAINLESS STEEL.
- CONTACT FINISH: SEE CHART FOR THICKNESS OF GOLD PLATING IN CONTACT AREA, 1.90 MICROMETER MINIMUM TIN PLATING IN SOLDER TAIL AREA, OVER NICKEL PLATING OVERALL.
- THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-71741-9999.
- PACKAGING: REFER TO CHART.



RECOMMENDED PCB LAYOUT — WITH PEGS

RECOMMENDED PCB THICKNESS: 1.0±0.1mm MINIMUM



RECOMMENDED PCB LAYOUT — WITHOUT PEGS

RECOMMENDED PCB THICKNESS: 1.0±0.1mm MINIMUM

2	A
1	B
SHT	REV

71742-2004	0.76 (30 MICROINCH)	YES	NO	PK-70873-0601	TUBES
71742-2003	0.76 (30 MICROINCH)	YES	YES	PK-70873-063	TAPE & REEL
71742-2002	0.25 (10 MICROINCH)	YES	NO	PK-70873-0601	TUBES
71742-2001	0.25 (10 MICROINCH)	YES	YES	PK-70873-063	TAPE & REEL

ITEM NUMBER	CONTACT AREA PLATING THICKNESS IN MICROMETERS (SEE NOTES FOR OTHER PLATINGS)	PEGS	PICK & PLACE CAP	PACKAGING SPEC. NUMBER	PACKAGING TYPE
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ADD -2003 & -2004
 EC NO: UICP2007-1510
 DRAWN BY: BBARKER 2007/01/04
 CHECKED BY: CHIKO MIBARRA 2007/01/04
 APPR: SMILLER 2007/01/05
 REV: DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)	
4 PLACES ±	mm INCH
3 PLACES ±	---
2 PLACES ±	0.25
1 PLACE ±	---
ANGULAR ±1/2°	

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
BBARKER	2005/11/16
CHECKED BY	DATE
BSMART	2005/11/16
APPROVED BY	DATE
SMILLER	2005/11/16
MATERIAL NO.	
SD-71742-002	

SCALE 4:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION

SALES ASSY, 1.0MM 84 CKT BOARD-TO-BOARD RECP. 7.30/.406 HIGH

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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

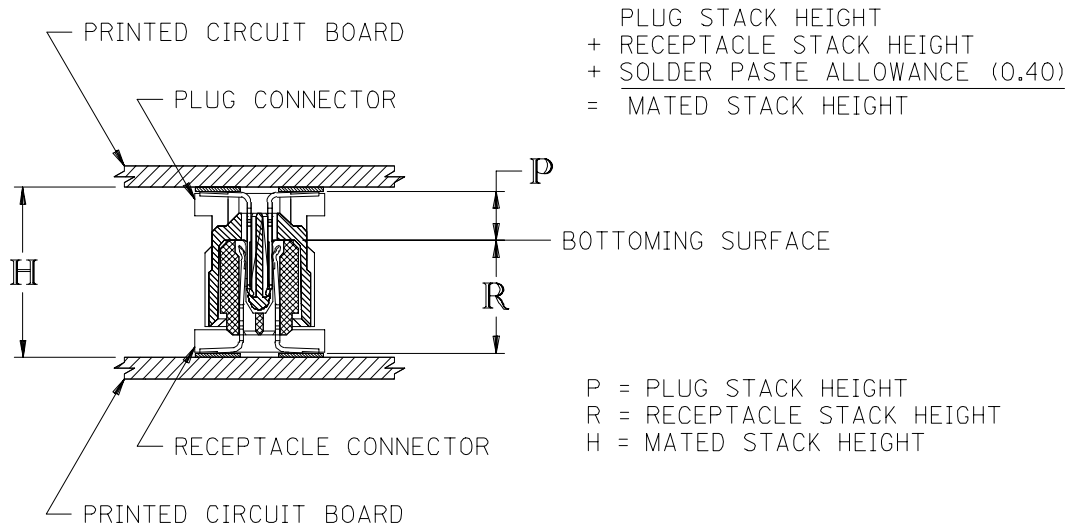
SEE TABLE

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

SHEET NO. 1 OF 2

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

MATED STACK HEIGHT	RECEPTACLE		PLUG		
	STACK HEIGHT	SERIES NUMBER	OVERALL HEIGHT	STACK HEIGHT	SERIES NUMBER
12.00	7.30	71742-2***	8.30	4.30	71741-0***
10.00			6.30	2.30	71741-2***



INITIAL RELEASE FC NO: UCP2006-1296 DRAWN BY: BBARKER 2006/01/30 CHKD: MBARRA 2006/02/03 APPR: SMILLER 2006/02/06	DESCRIPTION REV A	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± .15</td> <td>± .005</td> </tr> <tr> <td>3 PLACES</td> <td>± .25</td> <td>± .010</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.25</td> <td>± .010</td> </tr> <tr> <td>1 PLACE</td> <td>± .50</td> <td>± .020</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± .15	± .005	3 PLACES	± .25	± .010	2 PLACES	± 0.25	± .010	1 PLACE	± .50	± .020	DIMENSION STYLE MM ONLY	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
			mm	INCH																		
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2 PLACES	± 0.25	± .010																				
1 PLACE	± .50	± .020																				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRAWN BY: BBARKER 2005/11/16 CHECKED BY: BSMART 2005/11/16 APPROVED BY: SMILLER 2005/11/16	MATERIAL NO. SEE TABLE	TITLE SALES ASSY, 1.0MM 84 CKT BOARD-TO-BOARD RECEPT. 7.30/.406 HIGH	MOLEX INCORPORATED																
			SIZE C	DOCUMENT NO. SD-71742-002			SHEET NO. 2 OF 2															
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