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Part Number: [0717420006](#)
Status: **Active**
Description: 1.00mm (.039") Pitch Mezzanine Receptacle, Surface Mount, Dual Row, Vertical Stacking, 84 Circuits, 0.76µm (30µ") Gold Plating, Tape and Reel Packaging

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

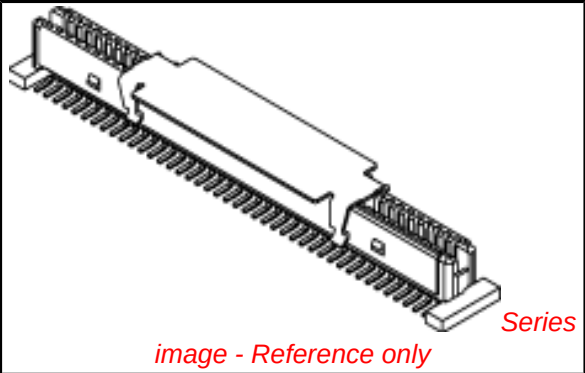
General	
Product Family	PCB Receptacles
Series	71742
Application	Board-to-Board
Product Name	Mezzanine
Physical	
Circuits (Loaded)	84
Color - Resin	Natural
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
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	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	
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	
Product Specification	PS-71741-9999



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

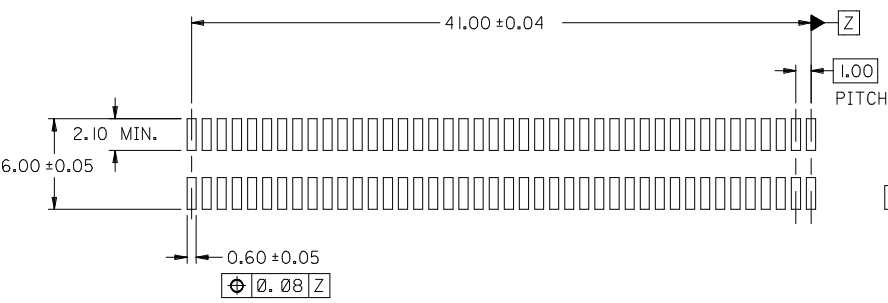
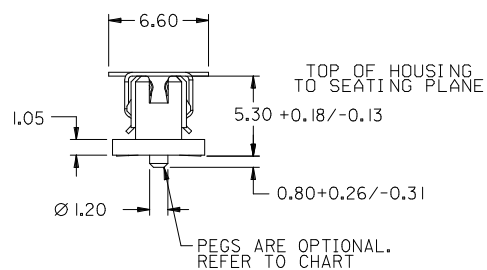
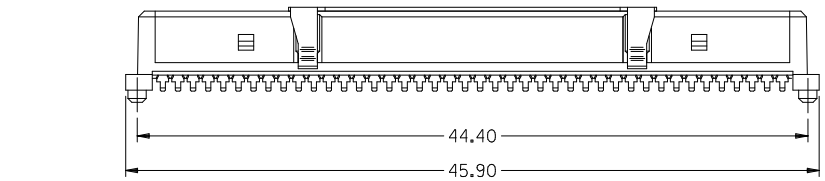
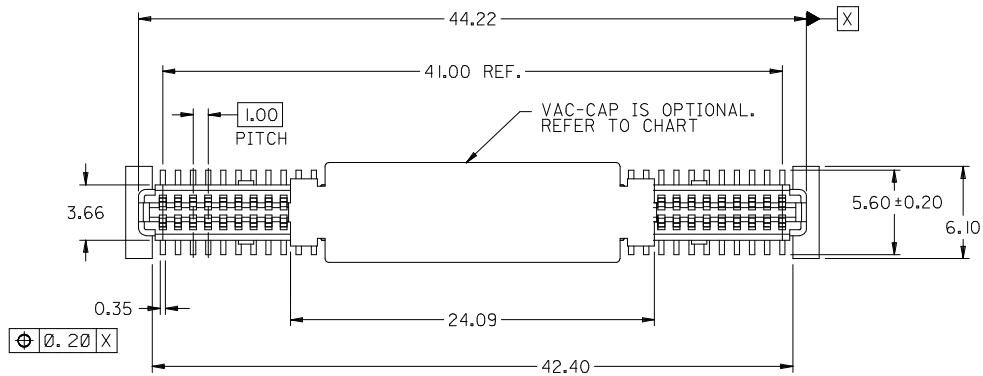
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[71742Series](#)

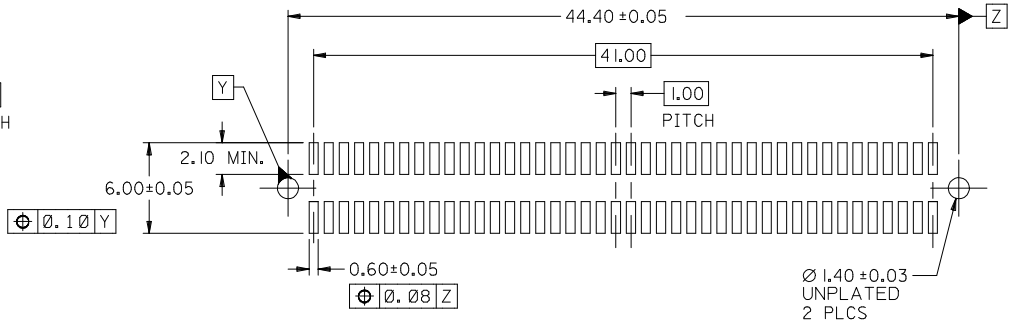
Mates With
[717410](#) for Stack Height 10mm, [717412](#) for Stack Height 8mm

This document was generated on 04/08/2010

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RECOMMENDED PCB LAYOUT
RECOMMENDED PCB THICKNESS: 1.0±0.1mm MIN.



RECOMMENDED PCB LAYOUT
WITH PEGS
RECOMMENDED PCB THICKNESS: 1.0±0.1mm MIN.

PLATINGS:

X21 - .76 MICROMETER/(30 MICROINCH) MINIMUM GOLD PLATE IN SELECT AREA, 1.91 MICROMETER/(75 MICROINCH) MINIMUM TIN PLATE IN SELECT AREA, OVER NICKEL UNDERPLATE.
X71 - .25 MICROMETER/(10 MICROINCH) MINIMUM GOLD PLATE IN SELECT AREA, 1.02 MICROMETER/(40 MICROINCH) MINIMUM TIN PLATE IN SELECT AREA, OVER NICKEL UNDERPLATE.

NOTES:

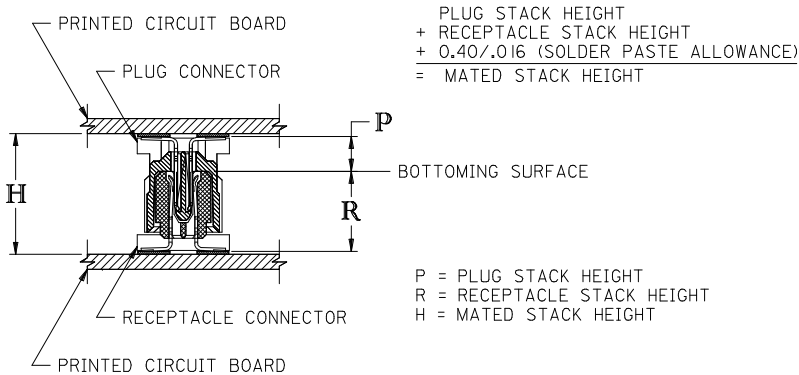
- 1. HOUSING MATERIAL: GLASS FILLED LIQUID CRYSTAL POLYMER (LCP);
UL RATING: 94V-0; COLOR: WHITE
TERMINAL MATERIAL: PHOSPHOR BRONZE
VACUUM CAP MATERIAL: STAINLESS STEEL
- 2. COPLANARITY OF SMT TAILS: 0.10 MAX.
- 3. DIMENSIONS ARE IN MILLIMETERS.
- 4. PACKAGING SPECIFICATIONS: REFER TO CHART
- 5. THIS PART, WHEN MATED WITH MOLEX U.S. PART NO. 71741-0*** OR MOLEX JAPAN PART NO. 53543-0849, CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-71741-9999.

ADD 8MM STACK HT EC NO: UCP2009-2408 DRWN: BARKER 2009/04/20 CHKD: MORGAN 2009/04/20 APPR: SMILLER 2009/04/21 K	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
					MM ONLY			METRIC		
				mm	INCH	DRAWN BY	DATE	TITLE SALES ASSEMBLY, 1 MM 84 CKT, BTB RECEPTACLE 5.30/.209 STACK HEIGHT	DOCUMENT NO. SDA-71742-0***	SHEET NO. 1 OF 2
			4 PLACES	± ---	± ---	JRR	95/08/14			
			3 PLACES	± ---	± .007	CHECKED BY	DATE			
			2 PLACES	± .018	± .013	SMR	95/08/14			
			1 PLACE	± 0.33	± ---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED		
			ANGULAR ±1/2°		CAB	95/08/14				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		SEE TABLE			
					SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

71742-0006	YES	YES	PK-70873-063	TAPE & REEL	X2I
71742-0005	NO	YES	PK-70873-063	TAPE & REEL	X2I
71742-0004	YES	NO	PK-70873-013	TUBE	X7I
71742-0003	YES	YES	PK-70873-063	TAPE & REEL	X7I
71742-0002	NO	NO	PK-70873-015	TUBE	X7I
71742-0001	NO	YES	PK-70873-063	TAPE & REEL	X7I
ITEM NUMBER	PEGS	PICK & PLACE CAP	PACKAGING SPEC. NUMBER	PACKAGING TYPE	TERMINAL PLATING SEE SHEET 1

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.
8.00	5.30	71742-0***	2.30	71741-2***
10.00	5.30	71742-0***	4.30	71741-0***



SEE SHEET 1 EC NO: UCP2009-2408 DRWN:BBARKER 2009/04/20 CHKD:JMORGAN 2009/04/20 APPR:SMILLER 2009/04/21	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																
		<table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± .007</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.18</td> <td>± .013</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.33</td> <td>± ---</td> </tr> </table>			mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± .007	2 PLACES	± 0.18	± .013	1 PLACE	± 0.33	± ---	DRAWN BY JRR		DATE 95/08/14	TITLE SALES ASSEMBLY, 1 MM 84 CKT, BTB RECEPTACLE 5.30/.209 STACK HEIGHT		
			mm	INCH																				
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3 PLACES	± ---	± .007																						
2 PLACES	± 0.18	± .013																						
1 PLACE	± 0.33	± ---																						
CHECKED BY SMR		DATE 95/08/14																						
APPROVED BY CAB		DATE 95/08/14		MOLEX INCORPORATED			SHEET NO. 1 OF 2																	
MATERIAL NO. SEE SHEET 1		DOCUMENT NO. SDA-71742-0***		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				

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<http://moschip.ru/get-element>

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