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Part Number: [0717423001](#)
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

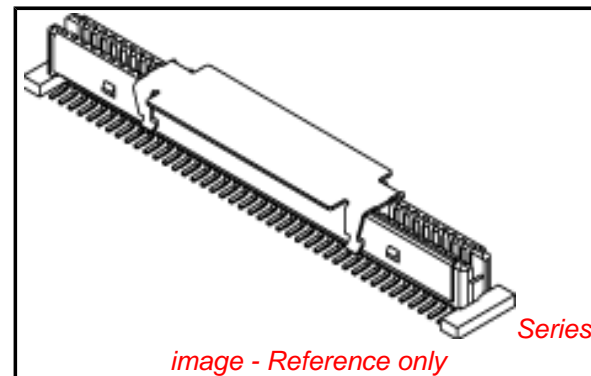
Circuits (Loaded) 84
 Color - Resin Natural
 Flammability 94V-0
 Glow-Wire Compliant No
 Lock to Mating Part Yes
 Material - Metal Phosphor Bronze
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Number of Rows 2
 Orientation Vertical
 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

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



EU RoHS

**ELV and RoHS
 Compliant**

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

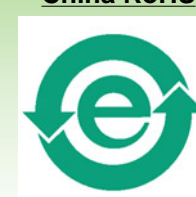
Not Reviewed

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

Material Info

Reference - Drawing Numbers

Product Specification

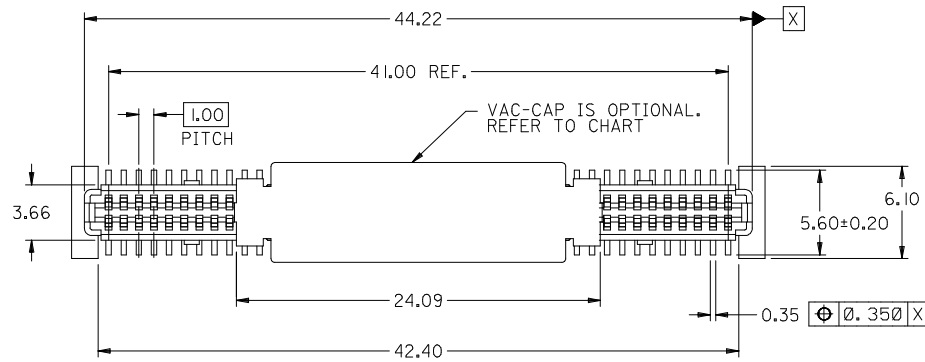
Sales Drawing

PS-71741-9999

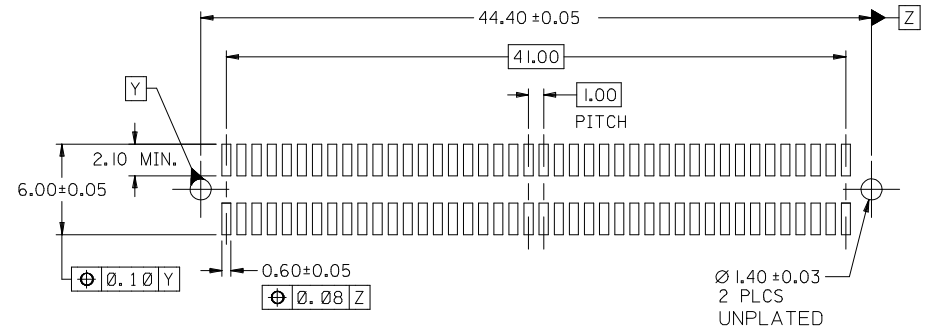
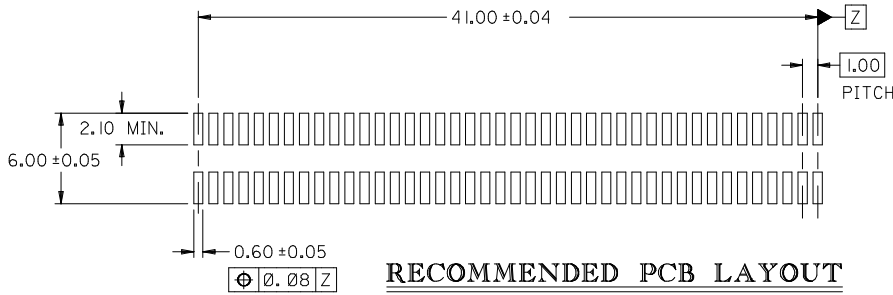
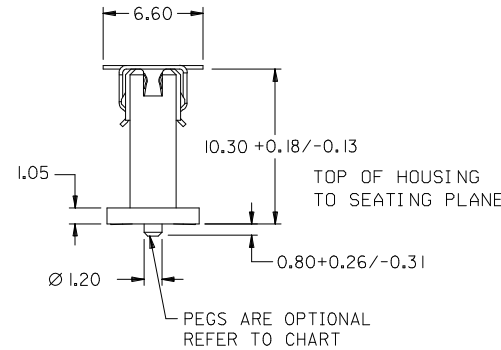
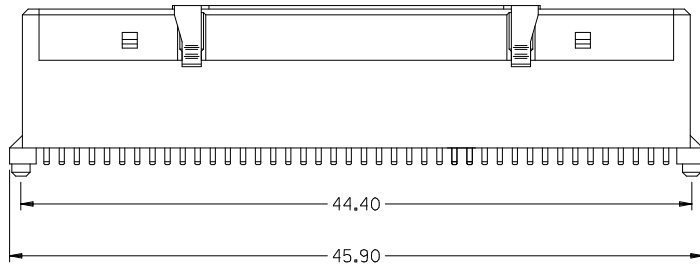
SDA-71742-3***

This document was generated on 04/08/2010

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71742-3004	0.76 (30 MICROINCH)	YES	YES	PK-70873-063	TAPE & REEL
71742-3003	0.25 (10 MICROINCH)	YES	YES	PK-70873-063	TAPE & REEL
71742-3001	0.25 (10 MICROINCH)	NO	YES	PK-70873-063	TAPE & REEL
ITEM NUMBER	CONTACT AREA PLATING MINIMUM GOLD THICKNESS IN MICROMETERS (SEE NOTES FOR OTHER PLATINGS)	PEGS	PICK & PLACE CAP	PACKAGING SPEC. NUMBER	PACKAGING TYPE



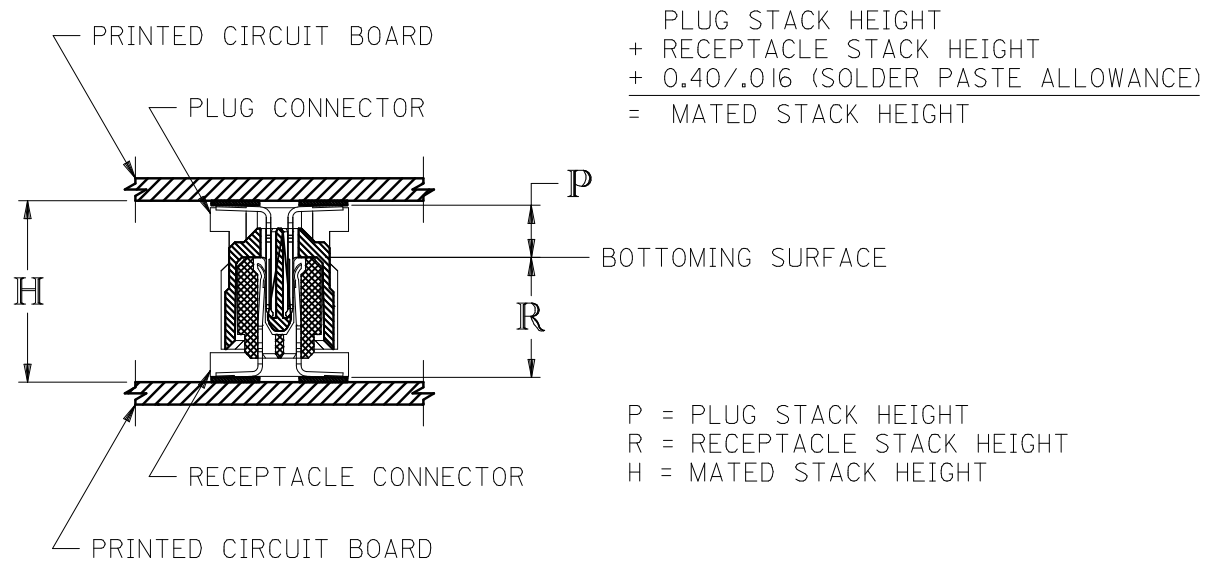
NOTES:

- HOUSING MATERIAL: GLASS FILLED LIQUID CRYSTAL POLYMER (LCP);
UL RATING: 94V-0; COLOR: WHITE (NATURAL).
TERMINAL MATERIAL: PHOSPHOR BRONZE.
VACUUM CAP MATERIAL: STAINLESS STEEL.
- CONTACT FINISH:
SEE TABLE 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.
- DIMENSIONS ARE IN MILLIMETERS.
- PACKAGING SPECIFICATIONS: REFER TO CHART.

CLARIFY DIMENSIONS EC NO: UCP2009-2408 DRAWN: BARKER 2009/04/20 CHKD: MORGAN 2009/04/20 APPR: MILLER 2009/04/21	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	METRIC		
	▽=0	4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± ---	DRAWN BY DATE WGM 97/08/04	TITLE	SALES ASSY, 1.0MM 84 CKT BOARD-TO-BOARD RECPTACLE 10.3 STACK HEIGHT	
		ANGULAR ±1/2°	CHECKED BY DATE	APPROVED BY DATE DJB 97/08/04	MOLEX INCORPORATED	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLE	DOCUMENT NO.	SDA-71742-3***	
			SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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

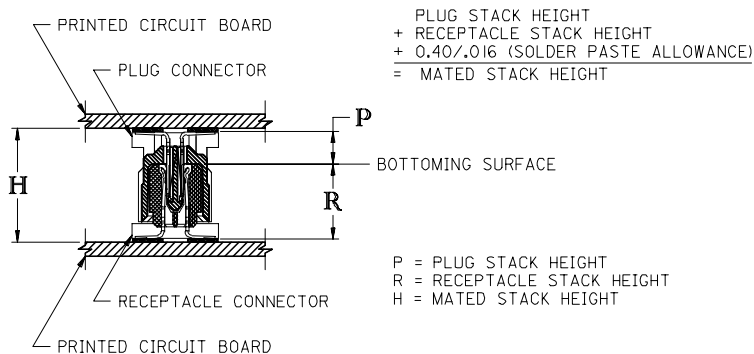
MATED STACK HEIGHT	RECEPTACLE HEIGHT	RECEPTACLE SERIES NO.	PLUG HEIGHT	PLUG SERIES NO.
15.00/.591	10.30/.406	71742-3***	4.30/.169	71741-0***
13.00/.512	10.30/.406	71742-3***	2.30/..091	71741-2***



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 METRIC	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	DRAWN BY WGM	DATE 97/08/04	TITLE SALES ASSY, 1.0MM 84 CKT BOARD-TO-BOARD RECP TACLE 10.3 STACK HEIGHT		
		2 PLACES ± 0.13 ± ---	1 PLACE ± 0.25 ± ---	CHECKED BY	DATE	MOLEX INCORPORATED		
		ANGULAR ± 1/2°		APPROVED BY DJB	DATE 97/08/04	MATERIAL NO. SEE TABLE	DOCUMENT NO. SDA-71742-3***	SHEET NO. 1 OF 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						

*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***



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

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