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Part Number:

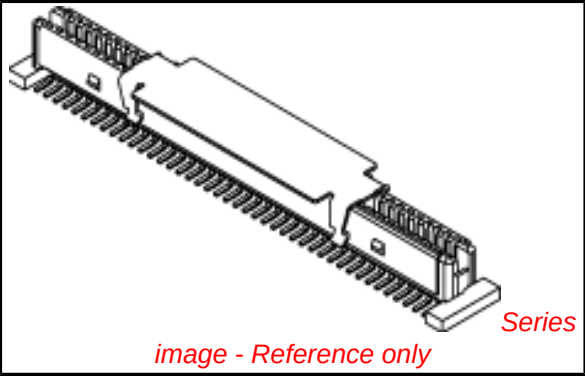
0717420003

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

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

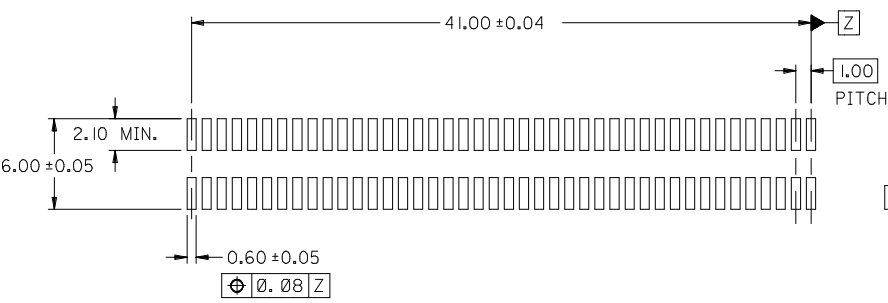
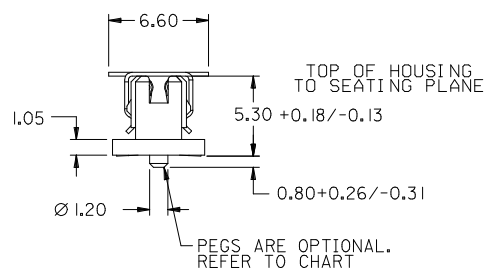
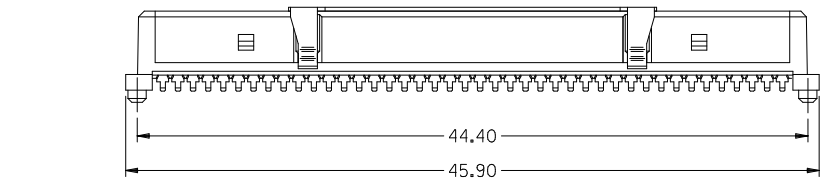
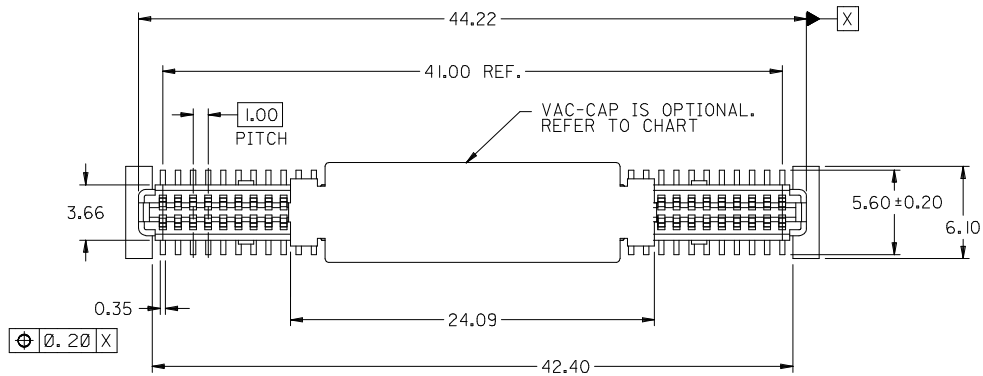
Reference - Drawing Numbers

Product Specification
Sales Drawing

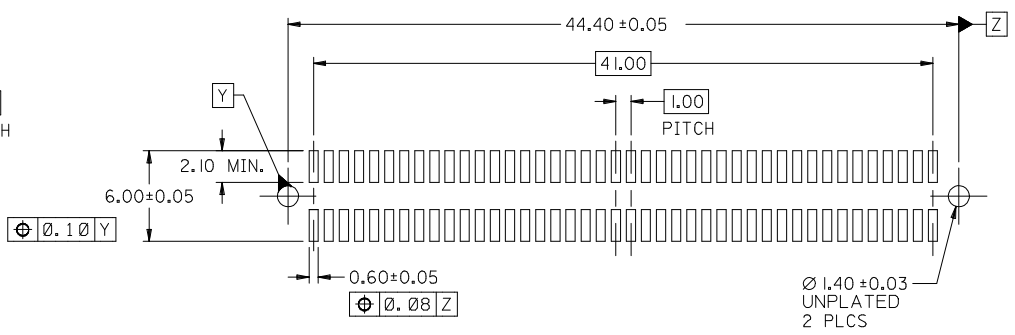
PS-71741-9999
SDA-71742-0***

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:

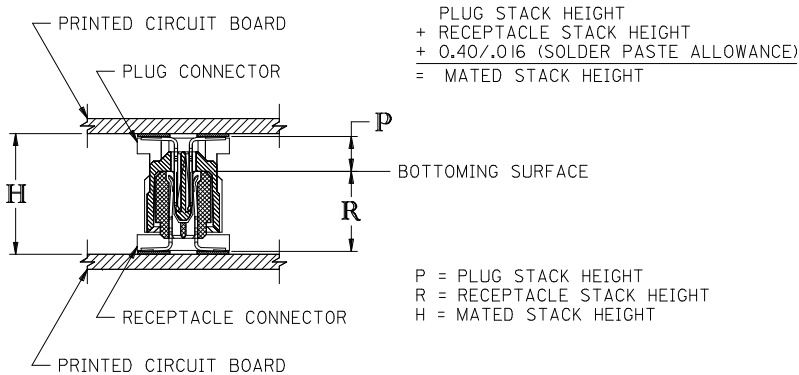
- 1. HOUSING MATERIAL: GLASS FILLED LIQUID CRYSTAL POLYMER (LCP);
UL RATING: 94V-0; COLOR: WHITE
TERMINAL MATERIAL: PHOSPHOR BRONZE
VACUUM CAP MATERIAL: STAINLESS STEEL
- 2. COPLANARITY OF SMT TAILS: 0.10 MAX.
- 3. DIMENSIONS ARE IN MILLIMETERS.
- 4. PACKAGING SPECIFICATIONS: REFER TO CHART
- 5. THIS 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 MM ONLY		SCALE	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY JRR	DATE 95/08/14	TITLE SALES ASSEMBLY, 1 MM 84 CKT, BTB RECEPTACLE 5.30/.209 STACK HEIGHT		
			4 PLACES	± ---	± ---	CHECKED BY SMR	DATE 95/08/14			
			3 PLACES	± ---	± .007					
			2 PLACES	± .18	± .013	APPROVED BY CAB	DATE 95/08/14	MOLEX MOLEX INCORPORATED		
		ANGULAR ±1/2°		MATERIAL NO. SEE TABLE		DOCUMENT NO. SDA-71742-0***		SHEET NO. 1 OF 2		
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				

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 REV K	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <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	± .---	DIMENSION STYLE MM ONLY	SCALE DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
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<http://moschip.ru/get-element>

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Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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