

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0717410001](#)
Status: **Active**
Description: 1.00mm (.039") Pitch Mezzanine Plug, Surface Mount, Dual Row, Vertical Stacking, 84 Circuits, 8.35mm (.329") Unmated Height, with PCB Locator Pegs, without Robotic Placement Metal Cap, 0.25µm (10µ") Gold (Au) Selective Plating, Tube Packaging

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 Headers
Series [71741](#)
Application Board-to-Board
Product Name Mezzanine

Physical

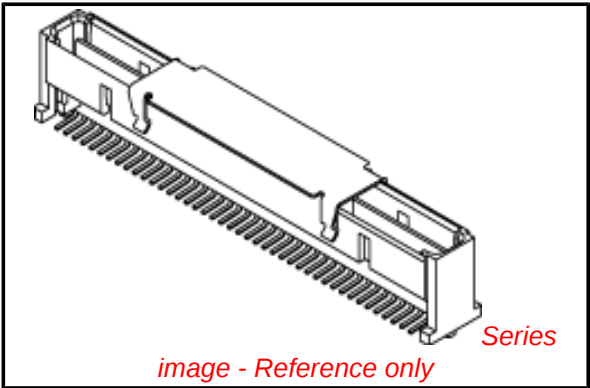
Breakaway No
Circuits (Loaded) 84
Circuits (maximum) 84
Color - Resin Natural
Flammability 94V-0
Glow-Wire Compliant No
Lock to Mating Part None
Mated Height (in) 0.394 In, 0.591 In
Mated Height (mm) 10.00 mm, 15.00 mm
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 2
Orientation Vertical
PCB Locator Yes
PCB Retention None
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
Shrouded Fully
Stackable No
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)



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
[71741Series](#)

Mates With
[717420](#) for Stack Height 10mm, [717423](#) for Stack Height 15mm

Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

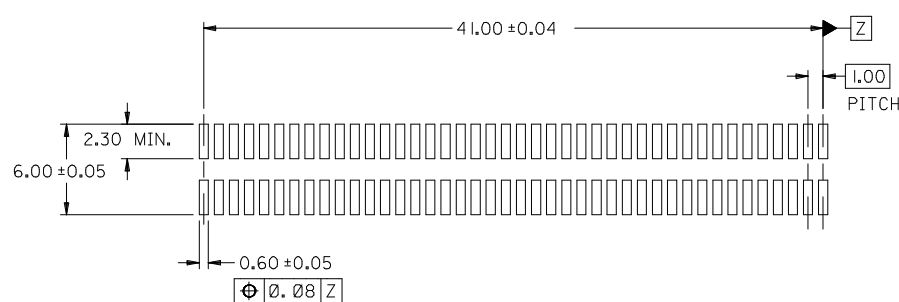
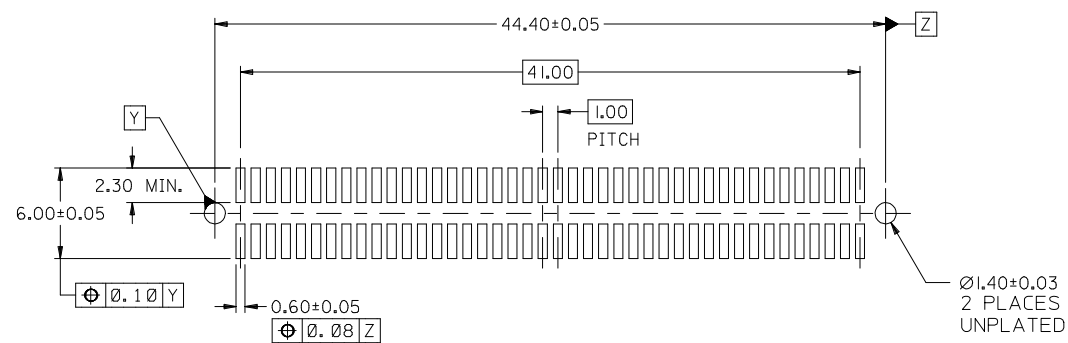
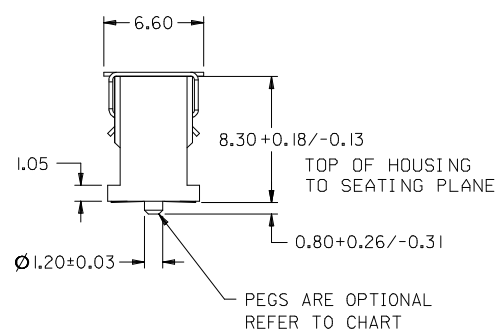
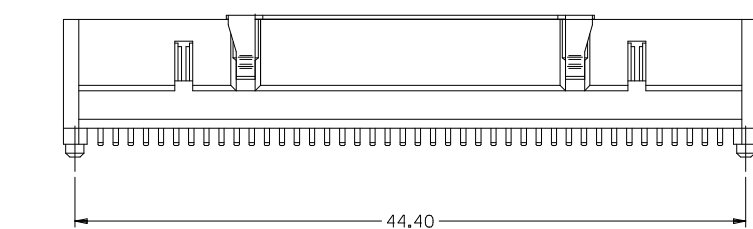
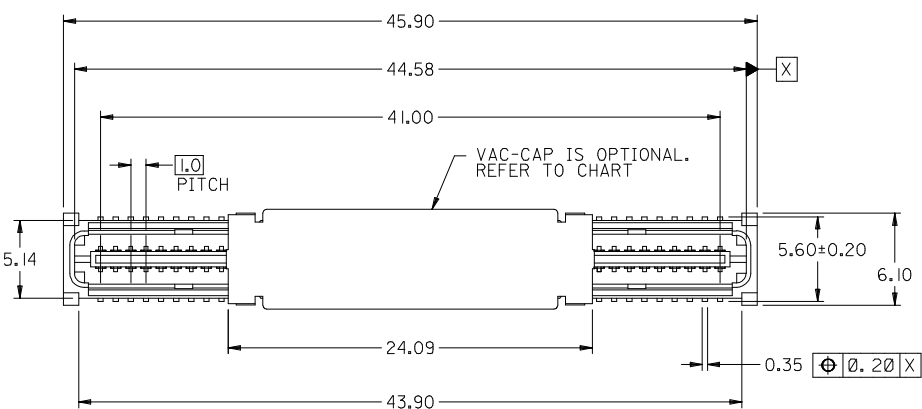
Material Info

Reference - Drawing Numbers

Product Specification	PS-71741-9999
Sales Drawing	SDA-71741-0***

This document was generated on 03/31/2010

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71741-0004	YES	YES	PK-70873-063	TAPE & REEL	0.76 GOLD
71741-0003	NO	YES	PK-70873-063	TAPE & REEL	0.76 GOLD
71741-0002	YES	YES	PK-70873-063	TAPE & REEL	0.25 GOLD
71741-0001	YES	NO	PK-70873-0607	TUBE	0.25 GOLD
ITEM NUMBER	PEGS	PICK & PLACE CAP	PACKAGING SPEC. NUMBER	PACKAGING TYPE	TERMINAL PLATING

PLATING

0.76 GOLD - 0.76 MICROMETERS MINIMUM GOLD PLATING IN CONTACT AREA, 1.90 MICROMETERS MINIMUM TIN PLATING IN TERMINAL AREA, OVER NICKEL PLATING OVERALL

0.25 GOLD - 0.25 MICROMETERS MINIMUM GOLD PLATING IN CONTACT AREA, 1.00 MICROMETERS MINIMUM TIN PLATING IN TERMINAL AREA, OVER NICKEL PLATING OVERALL

RECOMMENDED PCB LAYOUT

RECOMMENDED PCB THICKNESS: 1.0±0.1mm MIN.

NOTES:

1. HOUSING MATERIAL: G.F. THERMOPLASTIC; UL RATING: 94V-0; COLOR: WHITE
TERMINAL MATERIAL: PHOSPHOR BRONZE
VACUUM CAP MATERIAL: STAINLESS STEEL
2. COPLANARITY OF SMT TAILS: 0.10 MAX.
3. PACKAGING SPECIFICATIONS: REFER TO CHART
4. DIMENSIONS ARE IN MILLIMETERS.
5. THIS PART, WHEN MATED WITH MOLEX U.S. PART NO. 71742-0*** OR MOLEX JAPAN PART NO. 52841-0848, CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-71741-9999.

RECOMMENDED PCB LAYOUT
(WITHOUT PEGS)

RECOMMENDED PCB THICKNESS: 1.0±0.1mm MIN.

ADD 12 MM STACK

EC NO: UCP2009-2408

DRWN: BARKER 2009/04/20

CHKD: JORGAN 2009/04/20

APPR: MILLER 2009/04/21

REV

DESCRIPTION

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.18	± ---
1 PLACE	± 0.33	± ---
ANGULAR ± 1/2°		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
REED	96/07/15
CHECKED BY	DATE
REED	96/07/15
APPROVED BY	DATE
BIXLER	96/07/15

MATERIAL NO.

SEE TABLE

SIZE

SCALE

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

TITLE
SALES ASSEMBLY, 1 MM
84 CKT, BTB PLUG
4.30 MM STACK HEIGHT
MOLEX INCORPORATED

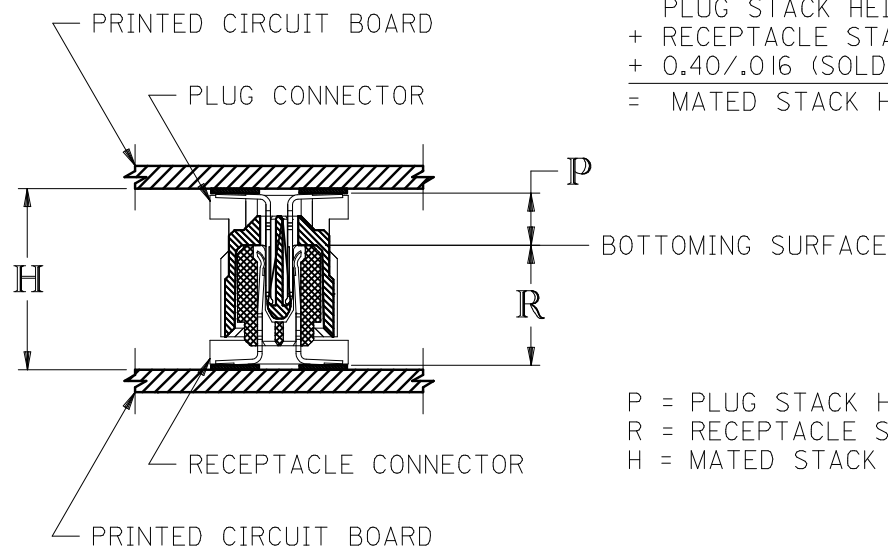
DOCUMENT NO.
SDA-71741-0***

SHEET NO.
1 OF 2

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.
10.00/-.394	5.30/-.209	71742-0***	4.30/-.169	71741-0***
12.00/-.472	7.30/-.287	71742-2***		
15.00/-.591	10.30/-.406	71742-3***		



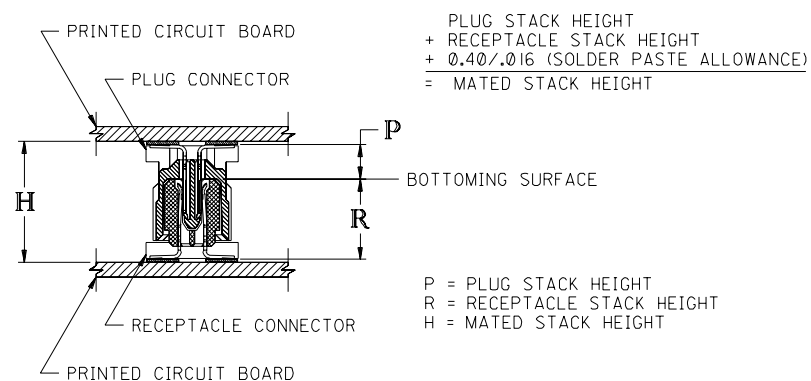
$$\begin{aligned} &\text{PLUG STACK HEIGHT} \\ &+ \text{RECEPTACLE STACK HEIGHT} \\ &+ 0.40/-.016 \text{ (SOLDER PASTE ALLOWANCE)} \\ &= \text{MATED STACK HEIGHT} \end{aligned}$$

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

SEE SHEET 1 EC NO: UCP2009-2408 2009/04/20 DRWN:BBARKER CHKD:DMORGAN 2009/04/20 APPR:SMILLER 2009/04/21	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	▽=0	mm	INCH	DRAWN BY	DATE	SALES ASSEMBLY, 1 MM 84 CKT, BTB PLUG 4.30 MM STACK HEIGHT MOLEX INCORPORATED			
	▽=0	4 PLACES ± ---	± ---	REED	96/07/15				
	3 PLACES ± ---	± ---	CHECKED BY	DATE					
		2 PLACES ± 0.18	± ---	REED	96/07/15	MOLEX INCORPORATED SDA-71741-0*** 2 OF 2			
		1 PLACE ± 0.33	± ---	APPROVED BY	DATE				
		ANGULAR ± 1/2°		BIXLER	96/07/15				
		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					

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.
10.00/.394	5.30/.209	71742-0***	4.30/.169	71741-0***
15.00/.591	10.30/.406	71742-3***	4.30/.169	71741-0***



METRIC

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE IN 1/32"		REVISE ONLY ON CAD SYSTEM	
INCH METRIC		TITLE	
3 PLACE 3 ---- 3 ----		SALES ASSY, 1.0mm 84 CKT. BOARD-TO-BOARD PLUG 4.30/.169 STACK HEIGHT	
1 PLACE 3 ---- 3 ----		MOLEX INCORPORATED LISE,ILL. 60532	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NO. 2 DATE 98/12/28	
DRAWING BY KAS CHK'D KAS APP'D DJB CDR'G NONE		PART NO. SEE SHT 1 CDR'G NO. SDA-71741-0-000	
		FILE NAME: S71741-01.PIC THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	
		DIP. SIZE	

Данный компонент на территории Российской Федерации

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Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

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

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

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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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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