

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0717410003

Status:

Active

Description:

1.00mm (.039") Pitch Mezzanine Plug, Surface Mount, Dual Row, Vertical Stacking, 84 Circuits, 8.35mm (.329") Unmated Height, without PCB Locator Pegs, with Robotic Placement Metal Cap, 0.76µm (30µ") Gold (Au) Selective Plating, Embossed Tape o

Documents:

3D Model

Drawing (PDF)

Product Specification PS-71741-9999 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Application

Product Name

PCB Headers

71741

Board-to-Board

Mezzanine

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Flammability

Glow-Wire Compliant

Lock to Mating Part

Mated Height (in)

Mated Height (mm)

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Robotic Placement

Shrouded

Stackable

Temperature Range - Operating

Termination Interface: Style

No

84

84

Natural

94V-0

No

None

0.394 In, 0.591 In

10.00 mm, 15.00 mm

Phosphor Bronze

Gold

Tin

High Temperature Thermoplastic

2

Vertical

No

None

Embossed Tape on Reel

0.039 In

1.00 mm

30.4

0.76

76.4

1.91

Pick and Place Cap

Fully

No

-55°C to +85°C

Surface Mount

Electrical

Current - Maximum per Contact

Voltage - Maximum

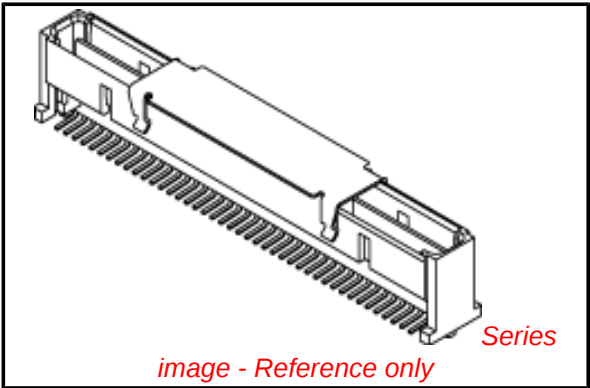
1A

100V

Solder Process Data

Lead-free Process Capability

Reflow Capable (SMT only)



EU RoHS

ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status

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.

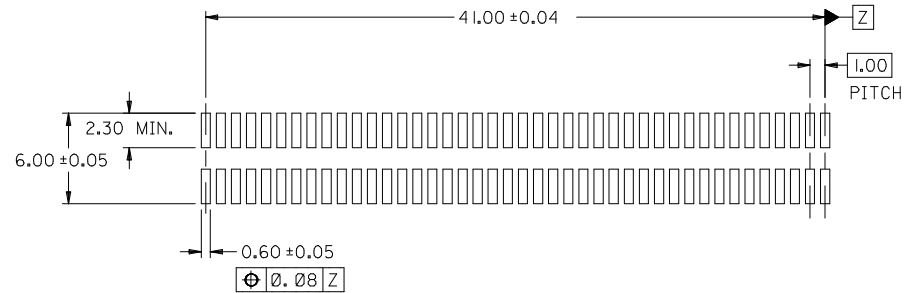
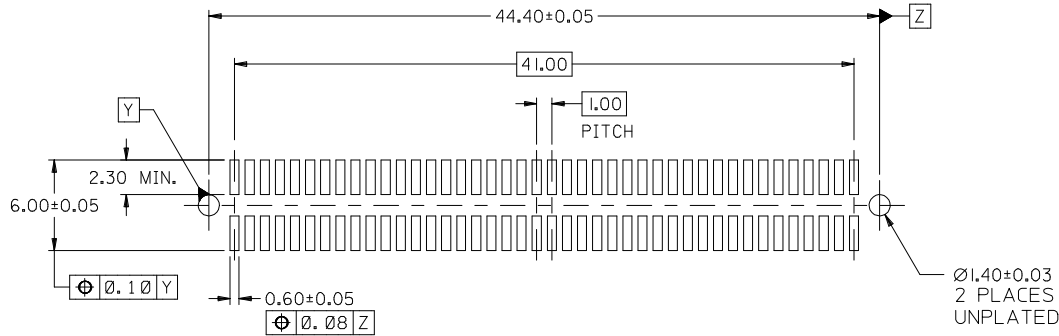
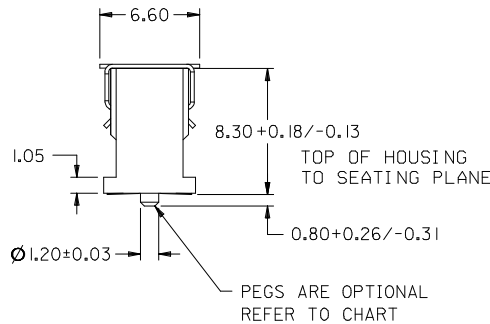
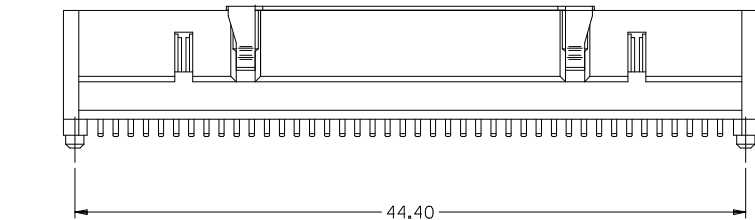
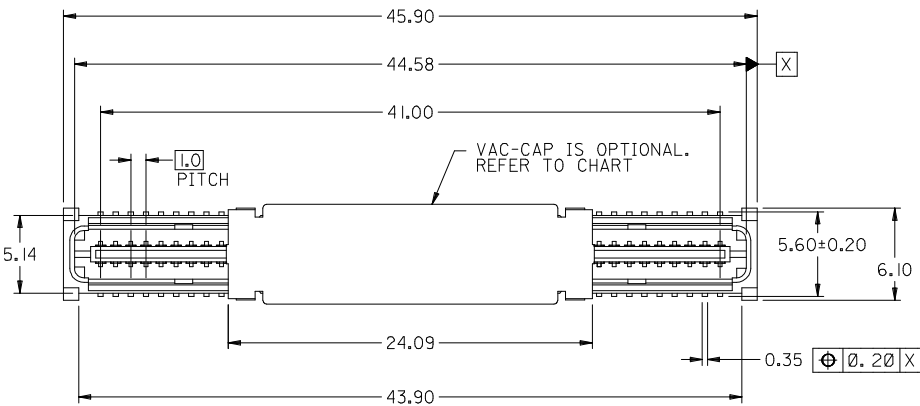
Search Parts in this Series
[71741Series](#)

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

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

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



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:

- HOUSING MATERIAL: G.F. THERMOPLASTIC; UL RATING: 94V-0; COLOR: WHITE
TERMINAL MATERIAL: PHOSPHOR BRONZE
VACUUM CAP MATERIAL: STAINLESS STEEL
- COPLANARITY OF SMT TAILS: 0.10 MAX.
- PACKAGING SPECIFICATIONS: REFER TO CHART
- DIMENSIONS ARE IN MILLIMETERS.
- 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.

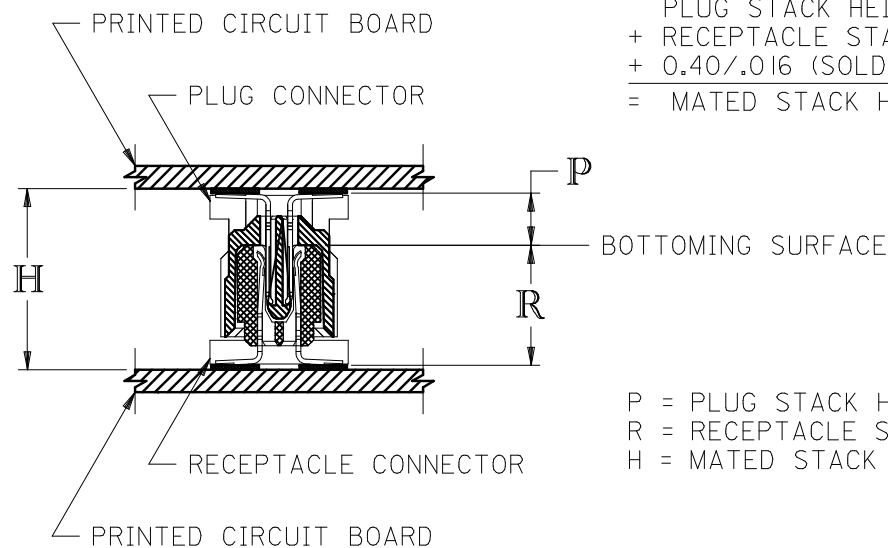
RECOMMENDED PCB LAYOUT (WITHOUT PEGS)

RECOMMENDED PCB THICKNESS: 1.0±0.1mm MIN.

ADD 12 MM STACK EC NO: UCP2009-2408 DRAWN BY: DRWN:BARKER 2009/04/20 CHKD:DMORGAN 2009/04/20 APPR:SMILLER 2009/04/21	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY	DATE	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
			4 PLACES	± ---	± ---	REED	96/07/15			
			3 PLACES	± ---	± ---	CHECKED BY	DATE			
			2 PLACES	± 0.18	± ---	REED	96/07/15	MOLEX	MOLEX INCORPORATED	
			1 PLACE	± 0.33	± ---	APPROVED BY	DATE			
			ANGULAR ±1/2°		BIXLER	96/07/15				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 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***
12.00/-.472	7.30/-.287	71742-2***		
15.00/-.591	10.30/-.406	71742-3***		



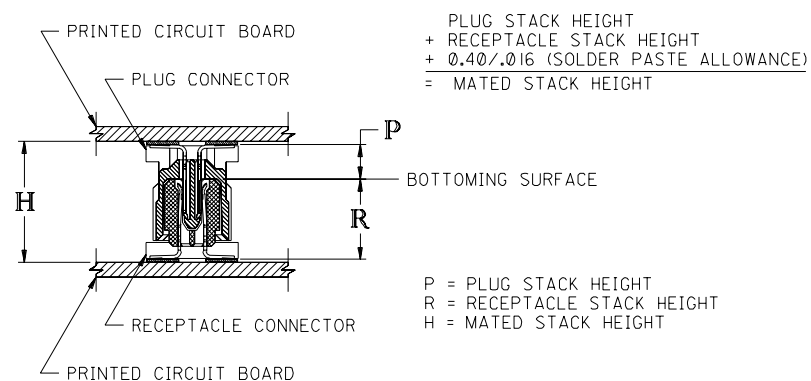
$$\begin{aligned} &\text{PLUG STACK HEIGHT} \\ &+ \text{RECEPTACLE STACK HEIGHT} \\ &+ 0.40/-.016 \text{ (SOLDER PASTE ALLOWANCE)} \\ &= \text{MATED STACK HEIGHT} \end{aligned}$$

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 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH	DRAWN BY REED	DATE 96/07/15	TITLE SALES ASSEMBLY, 1 MM 84 CKT, BTB PLUG 4.30 MM STACK HEIGHT MOLEX INCORPORATED		
		4 PLACES ± ---	± ---	CHECKED BY	DATE			
		3 PLACES ± ---	± ---	REED	96/07/15			
2 PLACES ± 0.18		± ---	APPROVED BY	DATE	MATERIAL NO. SEE TABLE		DOCUMENT NO. SDA-71741-0***	
1 PLACE ± 0.33		± ---	BIXLER	96/07/15				
ANGULAR ± 1/2°		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		SHEET NO. 2 OF 2		

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 1/16"		INCH		METRIC	
3	PLACE 2	---	---	---	---
2	PLACE 1	---	---	---	---

DRAFT WHERE APPLICABLE MUST
REMAIN WITHIN DIMENSIONS

DRAWING OF		KAS	CH'D	KAS
APPROV'D BY	DJB	SCALE	NONE	NONE

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

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.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

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.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

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

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9