

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0717410004

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, with Robotic Placement Metal Cap, 0.76Å#Åµm (30Å#Åµm") Gold (Au) Plating, Embossed Tape on Reel

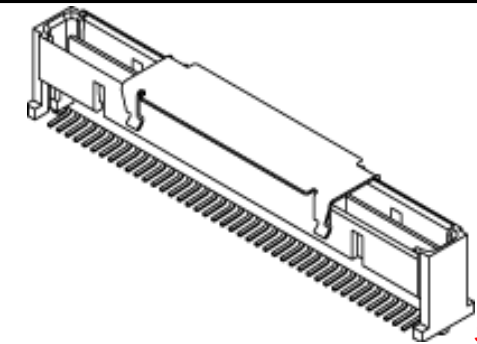


image - Reference only

Series

Documents:

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

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
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	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
Robotic Placement	Pick and Place Cap
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)
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

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

71742 for Stack Height 10mm, 71742 for
Stack Height 15mm

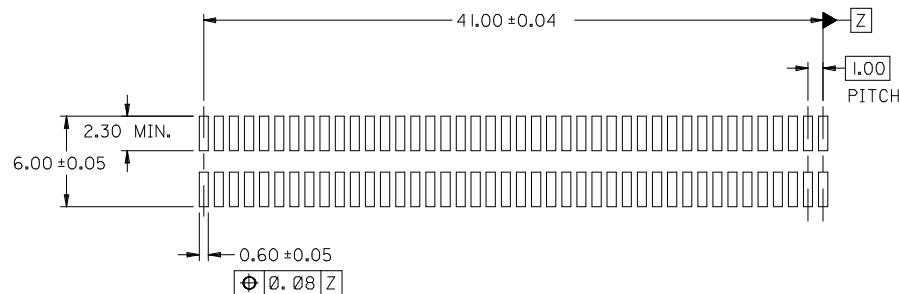
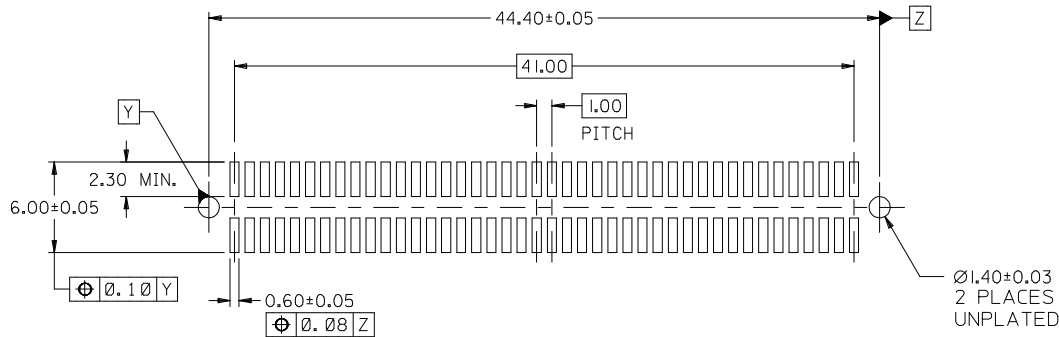
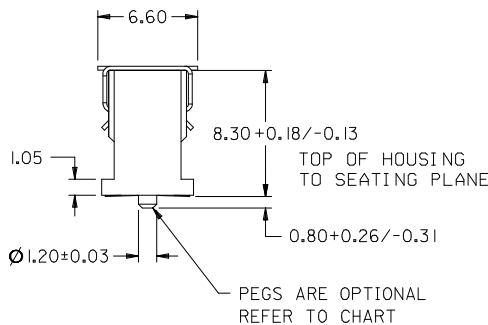
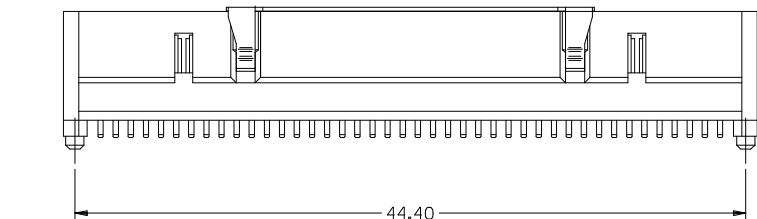
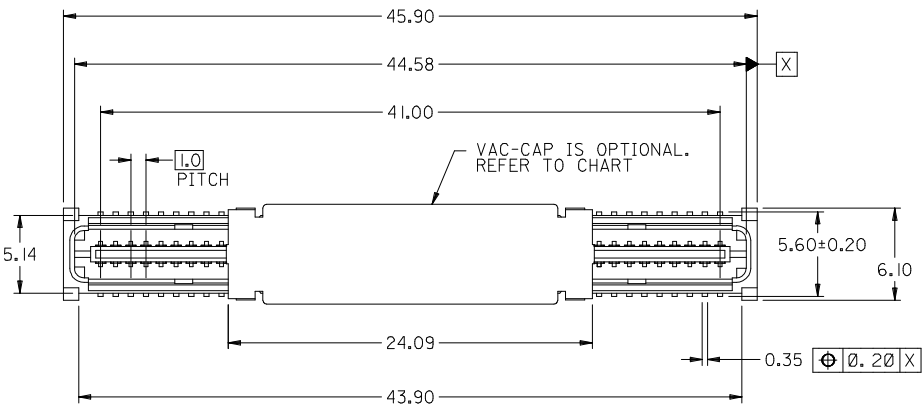
Material Info

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

C

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***

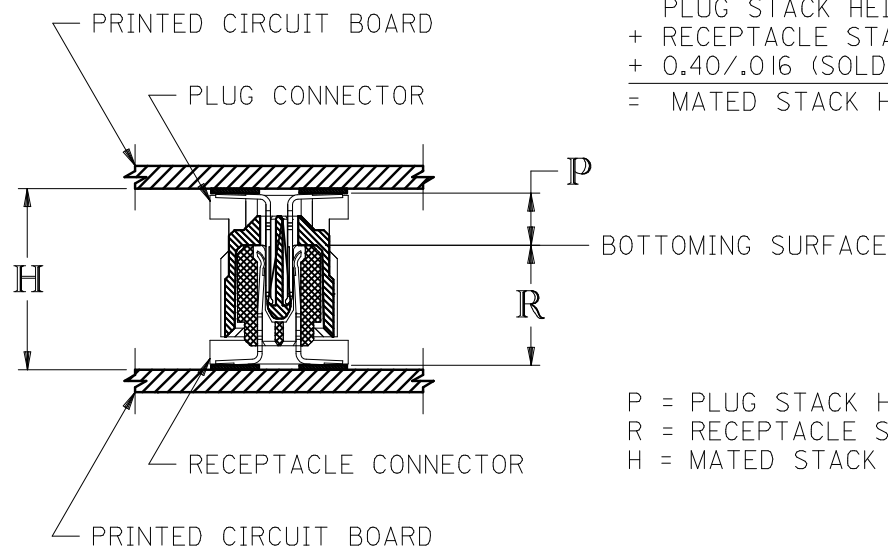
SHEET NO.

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***		



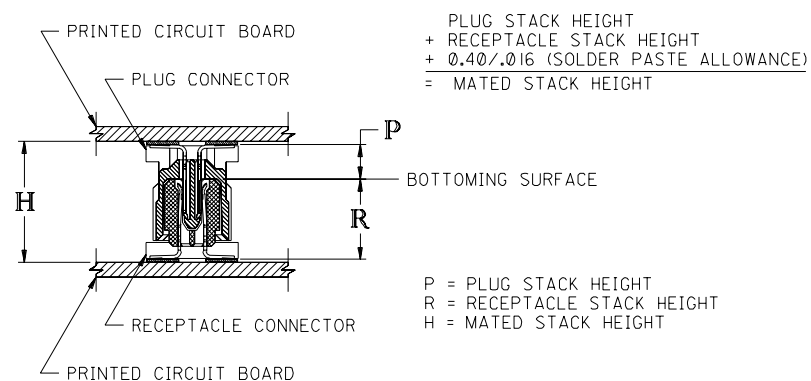
$$\begin{aligned} &\text{PLUG STACK HEIGHT} \\ &+ \text{RECEPTACLE STACK HEIGHT} \\ &+ 0.40/-.016 \text{ (SOLDER PASTE ALLOWANCE)} \\ &= \text{MATED STACK HEIGHT} \end{aligned}$$

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	
	$\nabla=0$ $\nabla=0$	mm	INCH	DRAWN BY REED	DATE 96/07/15	SALES ASSEMBLY, 1 MM 84 CKT, BTB PLUG 4.30 MM STACK HEIGHT MOLEX INCORPORATED			
			CHECKED BY REED	DATE 96/07/15					
			APPROVED BY BIXLER	DATE 96/07/15					
		ANGULAR $\pm 1/2^\circ$		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SDA-71741-0***		2 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***
15.00/.591	10.30/.406	71742-3***	4.30/.169	71741-0***



METRIC

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE 1/16"		TITLE		REVISE ONLY ON CAD SYSTEM	
INCH METRIC		SALES ASSY. 1.0mm 84 CKT. BOARD-TO-BOARD PLUG 4.30".169 STACK HEIGHT			
3 PLACE 2	---	MOLEX INCORPORATED		SHEET NO. 2	DATE 98/12/28
2 PLACE 1	---	LITTLE, 60532 U.S.A.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		PART NO.		DRWG. NO.	
		SEE SHT 1		SDA-71741-0***	
DRWG. BY KAS	CHK'D. KAS	F.L.E NAME S71741-0		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	
APP'D BY DJB	SCALE NONE			DRG. CVP	SIZE C

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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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