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Part Number: [0717422001](#)
Status: **Active**
Description: 1.00mm (.039") Pitch Mezzanine Receptacle, Surface Mount, Dual Row, Vertical Stacking, 84 Circuits, 0.25µm (10µ") Gold Plating, Tape and Reel Packaging

Documents:	
3D Model	Product Specification PS-71741-9999 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Receptacles
Series	71742
Application	Board-to-Board
Product Name	Mezzanine
Physical	
Circuits (Loaded)	84
Color - Resin	Natural
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
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-71741-9999

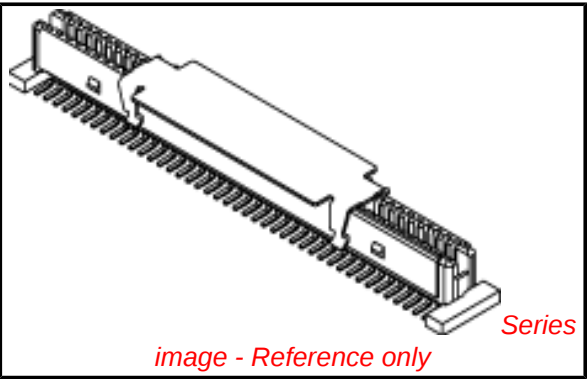


image - Reference only

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Reviewed

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 12mm

This document was generated on 04/08/2010

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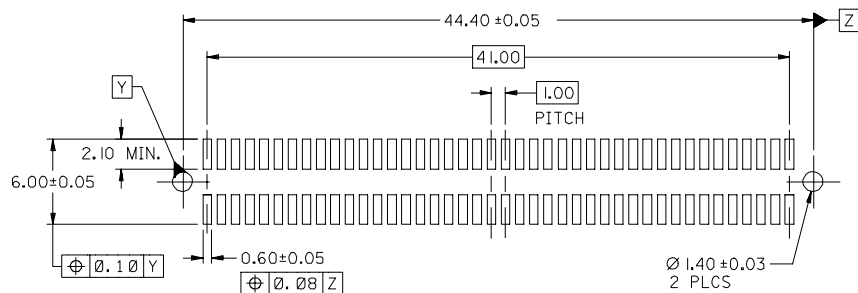
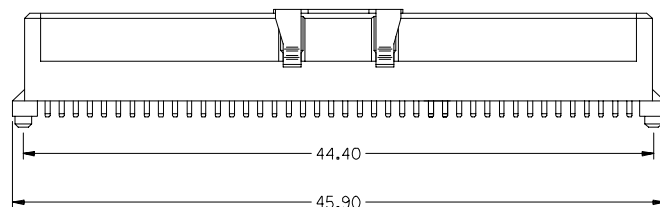
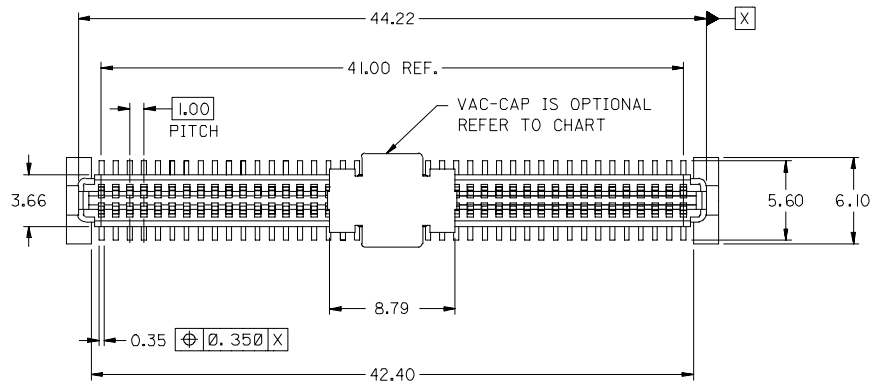
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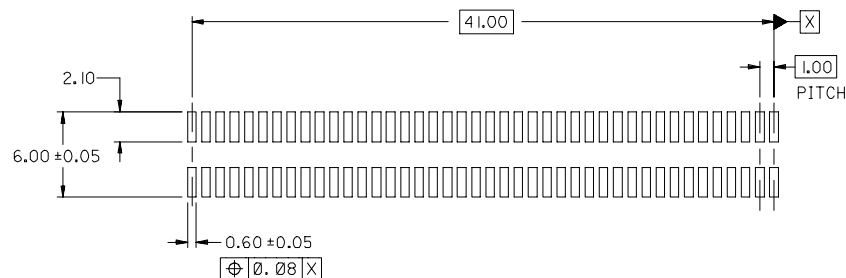
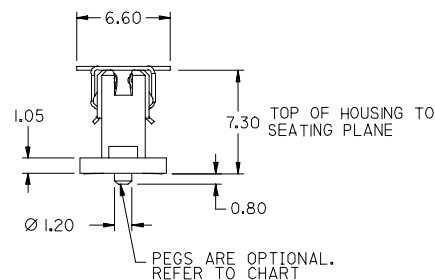


RECOMMENDED PCB LAYOUT — WITH PEGS

RECOMMENDED PCB THICKNESS: 1.0 ± 0.1mm MINIMUM

NOTES:

1. HOUSING MATERIAL: G.F. THERMOPLASTIC; UL RATING: 94V-0; COLOR: WHITE.
TERMINAL MATERIAL: PHOSPHOR BRONZE.
VACUUM CAP MATERIAL: STAINLESS STEEL.
2. CONTACT FINISH:
SEE CHART FOR THICKNESS OF GOLD PLATING IN CONTACT AREA,
1.90 MICROMETER MINIMUM TIN PLATING IN SOLDER TAIL AREA,
OVER NICKEL PLATING OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-71741-9999.
4. PACKAGING: REFER TO CHART.



RECOMMENDED PCB LAYOUT — WITHOUT PEGS

RECOMMENDED PCB THICKNESS: 1.0 ± 0.1mm MINIMUM

2	A
1	B
SHT	REV

71742-2004	0.76 (30 MICROINCH)	YES	NO	PK-70873-0601	TUBES
71742-2003	0.76 (30 MICROINCH)	YES	YES	PK-70873-063	TAPE & REEL
71742-2002	0.25 (10 MICROINCH)	YES	NO	PK-70873-0601	TUBES
71742-2001	0.25 (10 MICROINCH)	YES	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
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ADD -2004	EC NO: UCP2007-1510	DRWN:BBARKER 2007/01/04	CHKD:MBARRA 2007/01/04	APPR:SMILLER 2007/01/05
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QUALITY SYMBOLS	▽=0	▽=0
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GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± ---	± ---
3 PLACES ± ---	± ---
2 PLACES ± 0.25	± ---
1 PLACE ± ---	± ---
ANGULAR ± 1/2°	

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
BBARKER	2005/11/16
CHECKED BY	DATE
BSMART	2005/11/16
APPROVED BY	DATE
SMILLER	2005/11/16
MATERIAL NO.	

SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE		
SALES ASSY, 1.0MM 84 CKT BOARD-TO-BOARD RECP. 7.30/.406 HIGH		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-71742-002		SHEET NO. 1 OF 2

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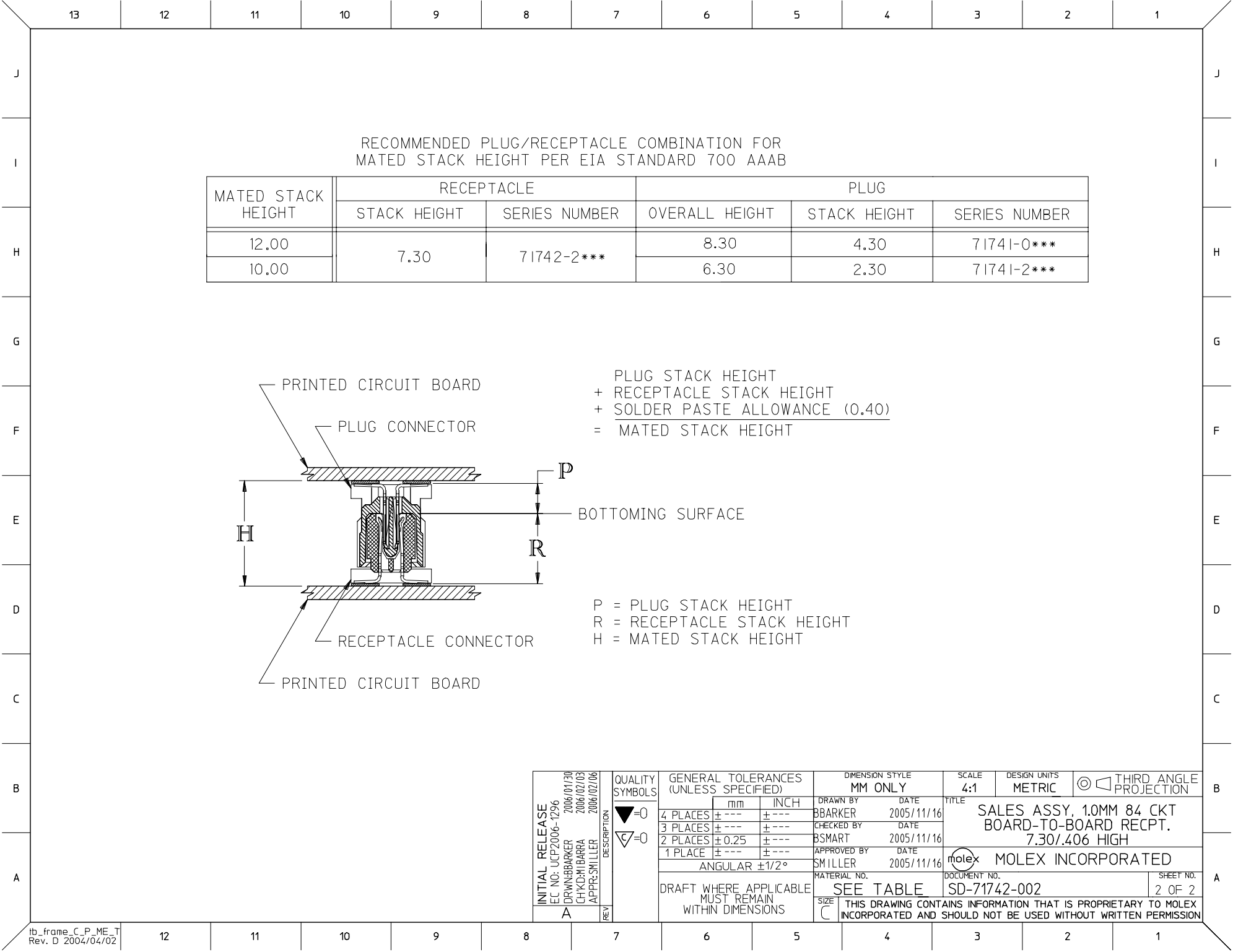
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Данный компонент на территории Российской Федерации

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

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