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Part Number: [0714362464](#)
Status: **Active**
Description: 1.00mm (.039") Pitch Mezzanine IEEE 1386 Plug, Surface Mount, Dual Row, Vertical Stacking, 64 Circuits, 8.35mm (.329") Unmated Height, with PCB Locator Pegs, with Robotic Placement Metal Cap, 0.76µm (30µ") Gold (Au) Selective Plating, Embossed

Documents:
[3D Model](#) [Product Specification PS-71436-9999 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

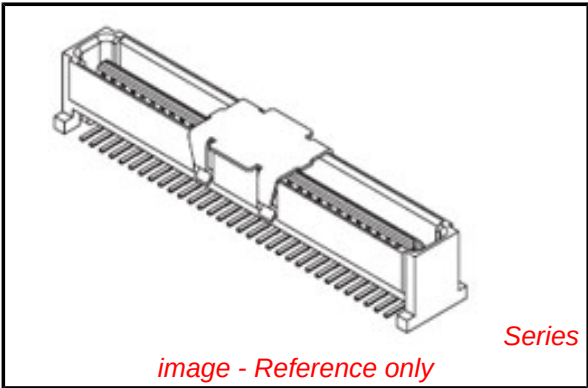
Product Family PCB Headers
Series [71436](#)
Application Board-to-Board
Product Name Mezzanine

Physical

Breakaway No
Circuits (Loaded) 64
Circuits (maximum) 64
Color - Resin Natural
Flammability 94V-0
Glow-Wire Compliant No
Lock to Mating Part None
Mated Height (in) 0.394 In, 0.472 In, 0.512 In, 0.591 In
Mated Height (mm) 10.00 mm, 12.00 mm, 13.00 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
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) 30.4
Plating min: Mating (µm) 0.76
Plating min: Termination (µin) 76.4
Plating min: Termination (µm) 1.91
Polarized to Mating Part No
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



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Halogen-Free



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.

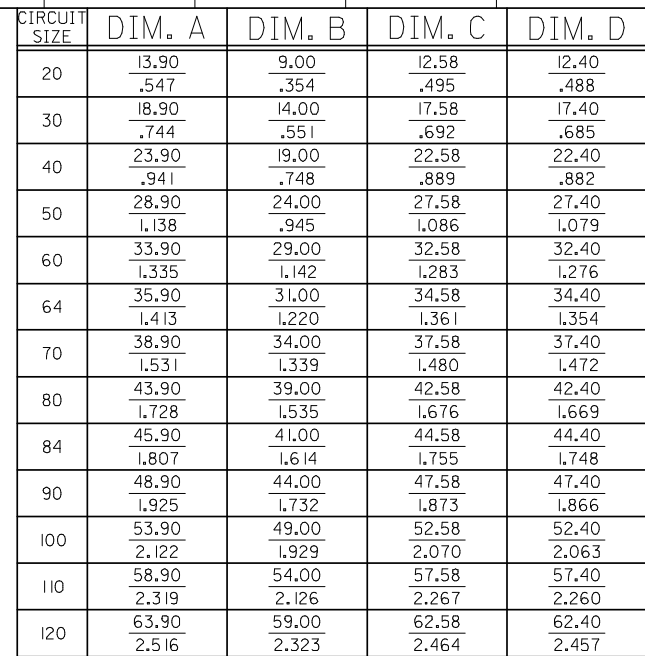
Search Parts in this Series
[71436Series](#)

Mates With
[714390](#) for Stack Height 10mm, [714391](#) for Stack Height 12mm, [714392](#) for Stack Height 13mm, [714393](#) for Stack Height 15mm

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-71436-9999
Sales Drawing	SDA-71436-2***

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1. HOUSING MATERIAL: LIQUID CRYSTAL POLYMER (LCP) GLASS FILLED.;
UL RATING: 94V-0; COLOR: WHITE OR BLACK
TERMINAL MATERIAL: PHOSPHOR BRONZE; 0.205/-.0080 THICK
VACUUM CAP MATERIAL: STAINLESS STEEL; 0.255/-.0100 THICK
2. PLATING FINISHES: SEE SHEET 2
3. PRODUCT SPECIFICATION: PS-71436-999
4. PACKAGING SPECIFICATIONS: REFER TO CHART ON SHEET 2.
5. MATES WITH: 71439 SERIES. SEE SHEET 2 FOR MATING VIEW
AND STACK HEIGHT.
6. PEGS ARE OPTIONAL. REFER TO CHART ON SHEET 2.
7. VACUUM PICK & PLACE CAP IS OPTIONAL. REFER TO CHART ON
SHEET 2.
8. THIS PART CONFORMS TO EIA STANDARD 700 AAAB FOR 1.0mm TWO-PART
CONNECTORS FOR USE WITH PARALLEL PRINTED BOARDS.
9. COPLANARITY OF SMT TAILS: 0.10/-.004 MAX.
10. 64-CIRCUIT PLUG ASSEMBLY WITH PEGS AND VACUUM CAP SHOWN
FOR ILLUSTRATION PURPOSES ONLY.
11. DIMENSIONS ARE IN mm/in. INCH DIMENSIONS SHOWN FOR REFERENCE ONLY.
12. ASSEMBLY TO HAVE DATE CODE: XX XX

2	L
1	M
SHT	REV



REV	DESCRIPTION	QUALITY SYMBOL
		 = 0  = 0
	CORRECT DESIGN UNITS EC NO: UCP2008-2464 DRWN:MS IBARRA 2008/04/07 CH'D:BBARKER 2008/04/16 APPR:SWILLER 2008/04/16	

GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	mm	INCH	DRAWN BY	DATE	TITLE	
4 PLACES	± .---	± .---	REED	1995/03/23	SALES ASSY, 1.0MM BOARD TO BOARD PLUG CONNECTOR 4.30/169 STACK HEIGHT	
3 PLACES	± .---	± .005	CHECKED BY	DATE		
2 PLACES	± 0.13	± .01	REED	1995/01/23		
1 PLACE	± 0.25	± .---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED	
ANGULAR ± 1/2°			BIXLER	1995/03/23		
MATERIAL NO.			DOCUMENT NO.			SHEET NO.
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE			SDA-71436-2*** 1 OF 2
SIZE			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

WHITE (NATURAL) MATERIAL

CIRCUIT SIZE	PLUG ASSEMBLY ITEM NUMBER	PEGS	CONTACT PLATING (SEE PLATING NOTES)	PICK & PLACE CAP	PACKAGING SPEC. NUMBER	PACKAGING TYPE
64	71436-2164	YES	30 GOLD	NO	PK-70873-0607	TUBE
64	71436-2364	YES	30 GOLD	YES	PK-70873-0607	TUBE
64	71436-2464	YES	30 GOLD	YES	PK-70873-063	TAPE & REEL
64	71436-2564	NO	30 GOLD	NO	PK-70873-0606	TUBE
64	71436-2764	NO	30 GOLD	YES	PK-70873-0606	TUBE
64	71436-2864	NO	30 GOLD	YES	PK-70873-063	TAPE & REEL
64	71436-2264	NO	50 GOLD	YES	PK-70873-063	TAPE & REEL
64	71436-2664	YES	50 GOLD	NO	PK-70873-0607	TUBE
64	71436-2064	NO	50 GOLD	NO	PK-70873-0607	TUBE

PLATING NOTES:

30 GOLD: SELECTIVE GOLD (Au) IN THE CONTACT AREA;
THICKNESS = 0.76 MICROMETERS (30 MICROINCHES) MINIMUM;
SELECTIVE TIN (Sn) IN THE PC TAIL AREA;
THICKNESS = 1.88 MICROMETERS (75 MICROINCHES) MINIMUM;
NICKEL UNDERPLATE OVERALL.

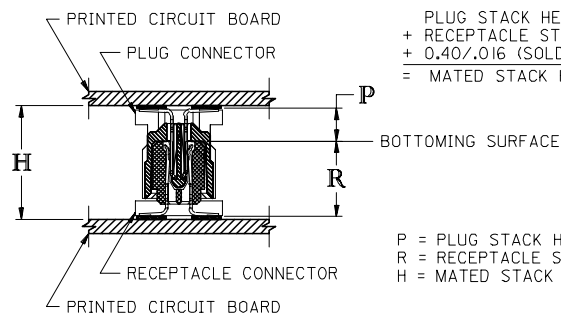
50 GOLD: SELECTIVE GOLD (Au) IN THE CONTACT AREA;
THICKNESS = 1.27 MICROMETERS (50 MICROINCHES) MINIMUM;
SELECTIVE TIN (Sn) IN THE PC TAIL AREA;
THICKNESS = 1.88 MICROMETERS (75 MICROINCHES) MINIMUM;
NICKEL UNDERPLATE OVERALL.

BLACK MATERIAL WITH PICK & PLACE CAP

CIRCUIT SIZE	PLUG ASSEMBLY ITEM NUMBER	PEGS	CONTACT PLATING (SEE NOTES PAGE2)	PICK & PLACE CAP	PACKAGING SPEC. NUMBER	PACKAGING TYPE
64	71436-2964	NO	30 GOLD	YES	PK-70873-063	TAPE & REEL

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	71439-0***	4.30/.169	71436-2***
12.00/.472	7.30/.287	71439-1***	4.30/.169	71436-2***
13.00/.512	8.30/.327	71439-2***	4.30/.169	71436-2***
15.00/.591	10.30/.406	71439-3***	4.30/.169	71436-2***



PLUG STACK HEIGHT
+ RECEPTACLE STACK HEIGHT
+ 0.40/.016 (SOLDER PASTE ALLOWANCE)
= MATED STACK HEIGHT

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

ADD 71436-2064/-2664 EC NO: UCP2007-2420 DRWN:SI:BARRA 2007/05/08 CHKD:J.MORGAN 2007/05/17 APPR:J.MILLER 2007/05/18	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY	DATE	TITLE SALES ASSY, 1.0MM BOARD TO BOARD PLUG CONNECTOR 4.30/.169 STACK HEIGHT				
			4 PLACES	± ---	± ---	REED	1995/03/23					
			3 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED				
			2 PLACES	± ---	± ---	REED	1995/03/23					
			1 PLACE	± ---	± ---	APPROVED BY	DATE	SDA-71436-2***				
			ANGULAR		±1/2°	BIXLER	1995/03/23					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		MATERIAL NO.		DOCUMENT NO.		SHEET NO. 2 OF 2	
			SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
			REV									

Данный компонент на территории Российской Федерации

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<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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