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Part Number: [0714362164](#)
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, without Robotic Placement Metal Cap, 0.76µm (30µ") Gold (Au) Selective Plating, Tube

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

Agency Certification

CSA LR19980
UL E29179

General

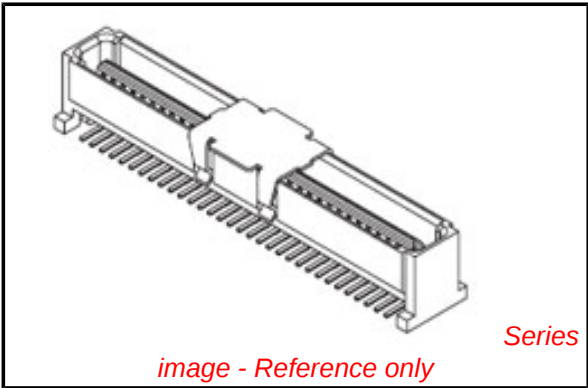
Product Family PCB Headers
Series [71436](#)
Application Board-to-Board
MolexKits Yes
Product Name Mezzanine

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 Tube
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
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

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
[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
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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

Packaging Specification	PK-70873-0607, PK-70873-063
Product Specification	PS-71436-9999
Sales Drawing	SDA-71436-2***

This document was generated on 06/08/2010

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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.

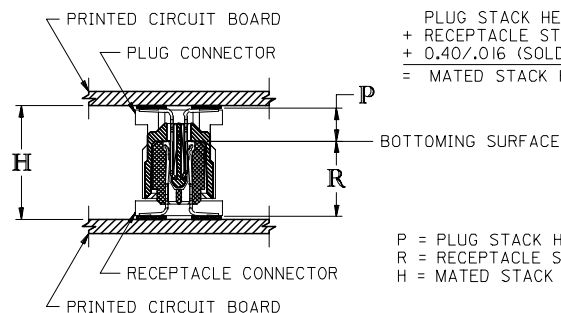
50 GOLD: SELECTIVE GOLD (Au) IN THE CONTACT AREA;
THICKNESS = 1.27 MICROMETERS (50 MICROINCHES) MINIMUM;
SELECTIVE TIN (Sn) IN THE PC TAIL AREA;
THICKNESS = 1.88 MICROMETERS (75 MICROINCHES) MINIMUM;
NICKEL UNDERPLATE OVERALL.

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***



ADD 71436-2064/-2664 EC NO: UCP2007-2420 DRAWN BY: BARRA 2007/05/08 CHKD: JORGAN 2007/05/17 APPR: MILLER 2007/05/18	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	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	SEE TABLE				
			ANGULAR		±1/2°	BIXLER	1995/03/23						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
					SEE TABLE		SDA-71436-2***		2 OF 2				
					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								