

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0714390564

Status:

Active

Description:

1.00mm (.039") Pitch Mezzanine IEEE 1386 Receptacle, Surface Mount, Dual Row, Vertical Stacking, Embossed Tape on Reel, 0.76µm (30µ") Gold (Au), 64 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-71436-9999 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Application

Comments

Product Name

PCB Receptacles

71439

Board-to-Board

Plugs

Mezzanine

Physical

Circuits (Loaded)

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)

Polarized to PCB

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

64

Natural

94V-0

No

Yes

0.315 In, 0.354 In, 0.394 In

10.00 mm, 8.00 mm, 9.00 mm

Phosphor Bronze

Gold

Tin

High Temperature Thermoplastic

2

Vertical

Yes

None

Embossed Tape on Reel

0.039 In

1.00 mm

30.4

0.76

76.4

1.91

No

N/A

-55°C to +85°C

Surface Mount

Electrical

Current - Maximum per Contact

Voltage - Maximum

1A

100V

Solder Process Data

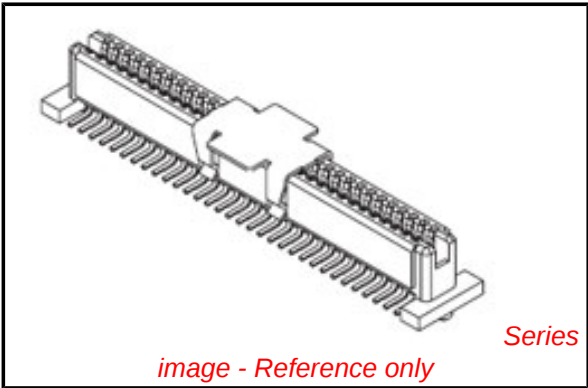
Lead-free Process Capability

Process Temperature max. C

Reflow Capable (SMT only)

260

Material Info



EU RoHS

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

Not Reviewed

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.

China RoHS



Search Parts in this Series

71439Series

Mates With

714360 for Stack Height 8.00mm (.315"),
714361 for Stack Height 9.00mm (.354"),
714362 for Stack Height 10.00mm (.394")

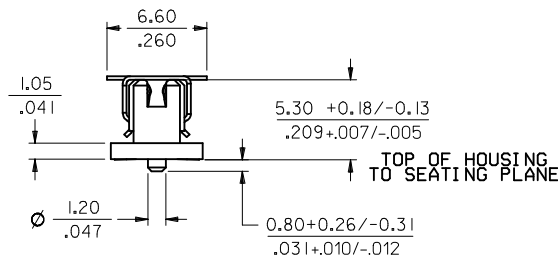
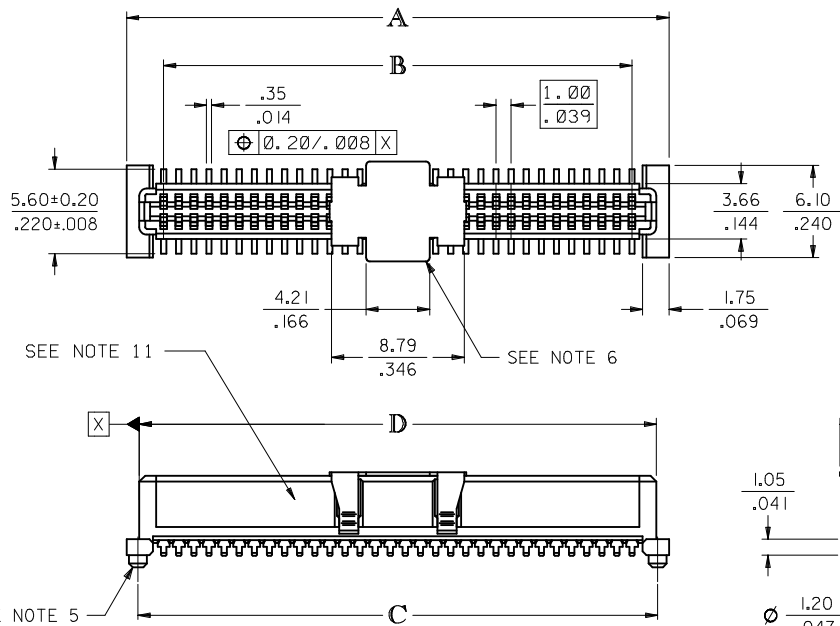
Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-71436-9999, RPS-71436-002, RPS-71436-003
SDA-71439-0***

This document was generated on 03/31/2010

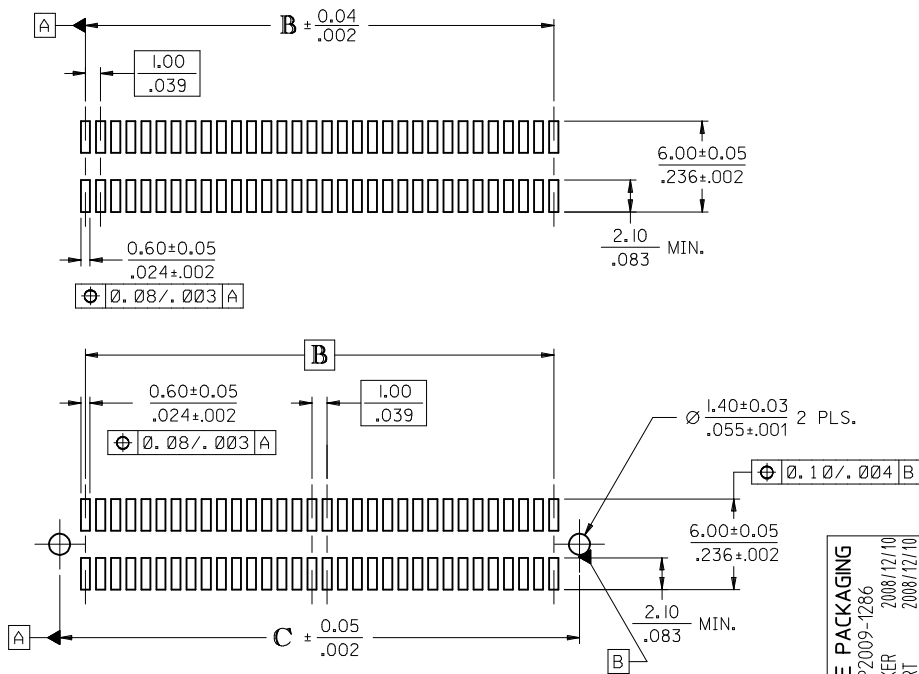
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CIRCUIT SIZE	DIM. A	DIM. B	DIM. C	DIM. D
20	13.90 .547	9.00 .354	12.40 .488	12.22 .481
30	18.90 .744	14.00 .551	17.40 .685	17.22 .678
40	23.90 .941	19.00 .748	22.40 .882	22.22 .875
50	28.90 1.138	24.00 .945	27.40 1.079	27.22 1.072
60	33.90 1.335	29.00 1.142	32.40 1.276	32.22 1.269
64	35.90 1.413	31.00 1.220	34.40 1.354	34.22 1.347
70	38.90 1.531	34.00 1.339	37.40 1.472	37.22 1.465
80	43.90 1.728	39.00 1.535	42.40 1.669	42.22 1.662
84	45.90 1.807	41.00 1.614	44.40 1.748	44.22 1.741
90	48.90 1.925	44.00 1.732	47.40 1.866	47.22 1.859
100	53.90 2.122	49.00 1.929	52.40 2.063	52.22 2.056
110	58.90 2.319	54.00 2.126	57.40 2.260	57.22 2.253
120	63.90 2.516	59.00 2.323	62.40 2.457	62.22 2.450

NOTES:

- HOUSING MATERIAL: GLASS FILLED LIQUID CRYSTAL POLYMER (LCP); UL 94V-0; SEE SHEET 2 FOR COLOR.
TERMINAL MATERIAL: PHOSPHOR BRONZE; 0.205/0.080 THICK
VACUUM CAP MATERIAL: STAINLESS STEEL; 0.255/0.100 THICK
- CONTACT PLATING FINISH: REFER TO CHART ON SHEET 2
- THIS PART, WHEN MATED WITH MOLEX 1.0mm PLUG CONNECTOR SERIES 71439, CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-71436-9999. REFER TO CHART ON SHEET 2 FOR MATED STACK HEIGHTS FOR THIS RECEPTACLE.
- PACKAGING SPECIFICATIONS: REFER TO CHART ON SHEET 2.
- PEGS ARE OPTIONAL. REFER TO CHART ON SHEET 2.
- VACUUM PICK & PLACE CAP IS OPTIONAL. REFER TO CHART ON SHEET 2.
- THIS PART CONFORMS TO EIA STANDARD 700 AAAB FOR 1.0mm TWO-PART CONNECTORS FOR USE WITH PARALLEL PRINTED BOARDS.
- COPLANARITY OF SMT TAILS: 0.10 MM/0.04 INCH MAXIMUM
- 64-CIRCUIT RECEPTACLE ASSEMBLY WITH PEGS AND VACUUM CAP SHOWN FOR ILLUSTRATION PURPOSES ONLY.
- INCH DIMENSIONS SHOWN FOR REFERENCE ONLY.
- ASSEMBLY TO HAVE DATE CODE: XX XX
WEEK _____ YEAR _____



RECOMMENDED PCB LAYOUT (WITH AND WITHOUT PEGS)

RECOMMENDED PCB THICKNESS: 1.00±0.10/0.039±.004

CHG TUBE PACKAGING			QUALITY SYMBOLS		
EC NO: UCP2009-1286			▽=0		
2008/12/10			▽=0		
DRWN:BBARKER					
2008/12/10					
CHKD:BSWART					
2008/12/10					
APPR:SMILLER					
2008/12/10					
REV	DESCRIPTION				

GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
	mm	INCH	DRAWN BY	DATE	TITLE ASSY MFG, 1.0MM BOARD TO BOARD RECEPT CONNECTOR 5.30/.209 HIGH		
4 PLACES	± ---	± ---	REED	1995/04/03			
3 PLACES	± ---	± .005	CHECKED BY	DATE			
2 PLACES	± 0.13	± .01	REED	1995/04/03			
1 PLACE	± 0.25	± ---	APPROVED BY	DATE			
ANGULAR ±1/2°			BIXLER	1995/04/03	 MOLEX INCORPORATED		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		DOCUMENT NO.		SHEET NO.
			SEE TABLE		SDA-71439-0***		1 OF 2
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

WHITE (NATURAL) MATERIAL

PART NUMBER	CIRCUIT SIZE	CONTACT PLATING SEE NOTE BELOW CHARTS	PEGS	PICK & PLACE CAP	PACKAGING SPEC. NUMBER	PACKAGING TYPE
71439-0164	64	30 GOLD	YES	NO	PK-70873-013	TUBE
71439-0264	64	50 GOLD	NO	YES	PK-70873-063	TAPE & REEL
71439-0364	64	30 GOLD	YES	YES	PK-70873-014	TUBE
71439-0464	64	30 GOLD	YES	YES	PK-70873-063	TAPE & REEL
71439-0564	64	30 GOLD	NO	NO	PK-70873-015	TUBE
71439-0764	64	30 GOLD	NO	YES	PK-70873-017	TUBE
71439-0864	64	30 GOLD	NO	YES	PK-70873-063	TAPE & REEL
71439-0664	64	50 GOLD	YES	NO	PK-70873-013	TUBE
71439-0064	64	50 GOLD	NO	NO	PK-70873-015	TUBE

BLACK MATERIAL

PART NUMBER	CIRCUIT SIZE	CONTACT PLATING SEE NOTE BELOW CHARTS	PEGS	PICK & PLACE CAP	PACKAGING SPEC. NUMBER	PACKAGING TYPE
71439-0964	64	30 GOLD	NO	YES	PK-70873-063	TAPE & REEL

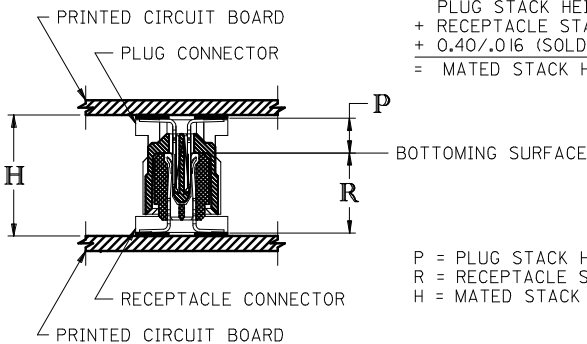
CONTACT PLATING:

30 GOLD - 0.76 MICROMETER/30 MICROINCH MINIMUM GOLD IN CONTACT AREA AND 1.91 MICROMETER/75 MICROINCH MINIMUM TIN IN SOLDER TAIL AREA. NICKEL UNDERPLATE OVER ENTIRE TERMINAL.

50 GOLD - 1.27 MICROMETER/50 MICROINCH MINIMUM GOLD IN CONTACT AREA AND 1.91 MICROMETER/75 MICROINCH MINIMUM TIN IN SOLDER TAIL AREA. NICKEL UNDERPLATE OVER ENTIRE TERMINAL.

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.
8.00/,.315	5.30/,.209	71439-0***	2.30/,.090	71436-0***
9.00/,.354	5.30/,.209	71439-0***	3.30/,.130	71436-1***
10.00/,.394	5.30/,.209	71439-0***	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

CHG TUBE PACKAGING EC NO: UCP2009-1286 DRWN:BBARKER 2008/12/10 CHKD:BSMART 2008/12/10 APPR:SMILLER 2008/12/10	REV N	DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
			mm		INCH		DRAWN BY REED		DATE 1995/04/03		
			4 PLACES ± ---		± ---		CHECKED BY		DATE		
			3 PLACES ± ---		± .005		REED		1995/04/03		
2 PLACES ± 0.13		± .01		APPROVED BY		DATE		TITLE ASSY MFG, 1.0MM BOARD TO BOARD RECEPT CONNECTOR 5.30/.209 HIGH MOLEX MOLEX INCORPORATED DOCUMENT NO. SDA-71439-0*** SHEET NO. 2 OF 2			
1 PLACE ± 0.25		± ---		BIXLER		1995/04/03					
ANGULAR ± 1/2°											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE C		SEE TABLE						