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Part Number:

0714390264

Status:

Active

Description:

1.00mm (.039") Pitch Mezzanine IEEE 1386 Receptacle, Surface Mount, Dual Row, Vertical Stacking, Embossed Tape on Reel, 1.27µm (50µ") Gold (Au), 64 Circuits Pick and Place Cap

Documents:

3D Model

Drawing (PDF)

Product Specification PS-71436-9999 (PDF)

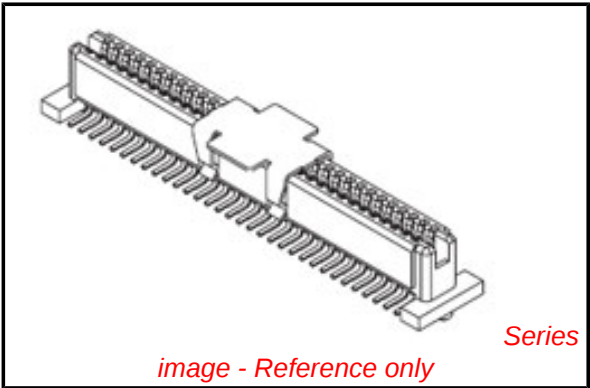
RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Receptacles
Series	71439
Application	Board-to-Board
Comments	Plugs
Product Name	Mezzanine
Physical	
Circuits (Loaded)	64
Color - Resin	Natural
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Mated Height (in)	0.315 In, 0.354 In, 0.394 In
Mated Height (mm)	10.00 mm, 8.00 mm, 9.00 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)	50.8
Plating min: Mating (µm)	1.27
Plating min: Termination (µin)	76.4
Plating min: Termination (µm)	1.91
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



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

71439Series

Mates With

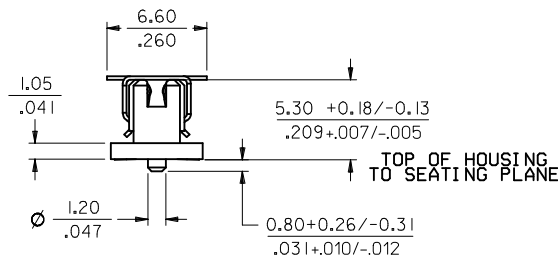
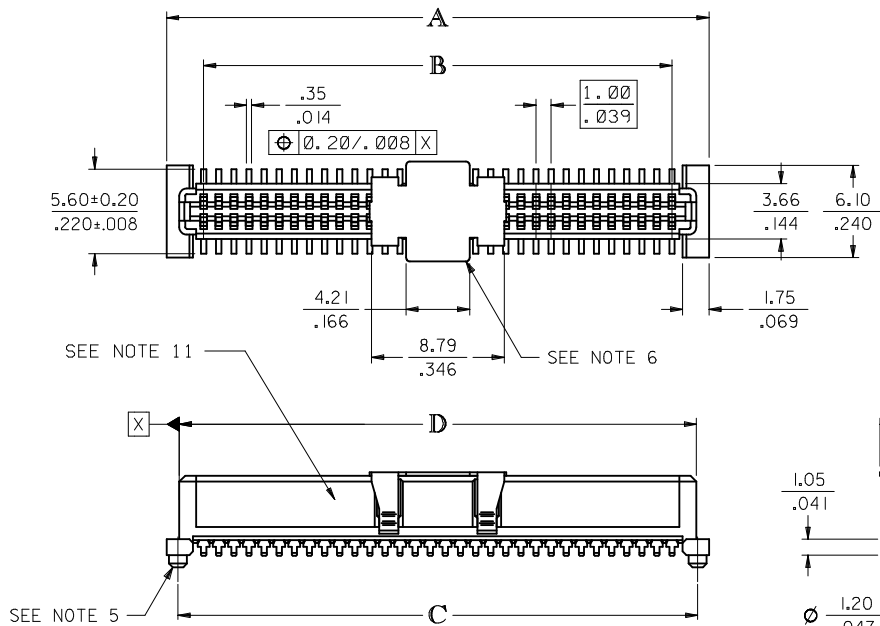
714360 for Stack Height 8.00mm (.315"),
714361 for Stack Height 9.00mm (.354"),
714362 for Stack Height 10.00mm (.394")

Reference - Drawing Numbers

Packaging Specification	PK-70873-063
Product Specification	PS-71436-9999
Sales Drawing	SDA-71439-0***

This document was generated on 05/21/2010

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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/-.0080 THICK
VACUUM CAP MATERIAL: STAINLESS STEEL; 0.255/-.0100 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/-.004 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 _____

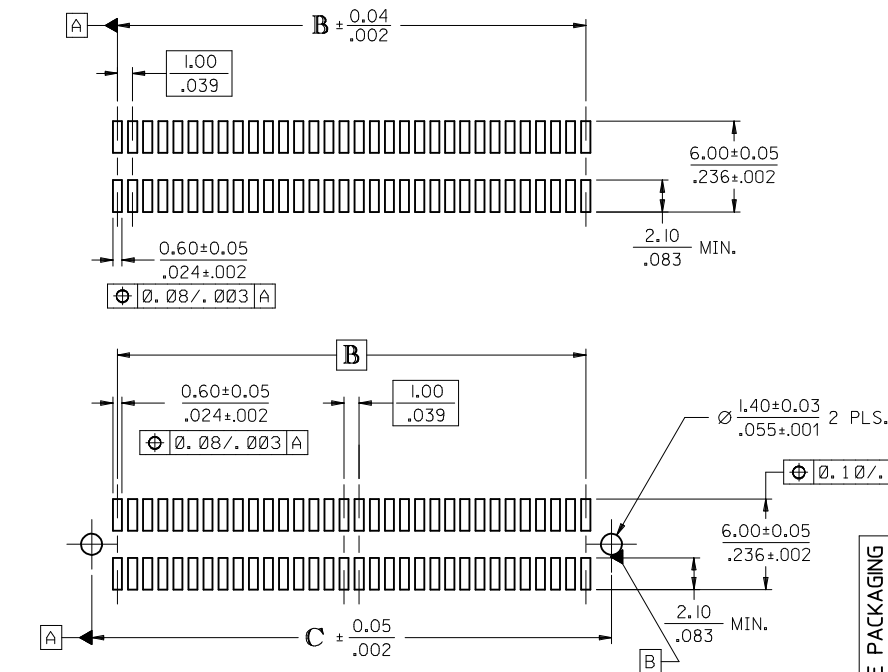
CHG	EC NO:	DATE	DESCRIPTION	REV
TUBE PACKAGING	UCP2009-1286	2008/12/10	DRWN:BBARKER	0
		2008/12/10	CHKD:BSWART	1
		2008/12/10	APPR:SMILLER	2

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
4 PLACES ± --- ± ---
3 PLACES ± --- ± .005
2 PLACES ± 0.13 ± .01
1 PLACE ± 0.25 ± ---
ANGULAR ± 1/2°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM/IN	INCH	INCH	INCH
DRAWN BY	DATE	TITLE	
REED	1995/04/03	ASSY MFG, 1.0MM BOARD TO BOARD RECEPT CONNECTOR	
CHECKED BY	DATE	5.30/.209 HIGH	
REED	1995/04/03		
APPROVED BY	DATE		
BIXLER	1995/04/03		
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



RECOMMENDED PCB LAYOUT (WITH AND WITHOUT PEGS)
RECOMMENDED PCB THICKNESS: 1.00±0.10/-.039±.004

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

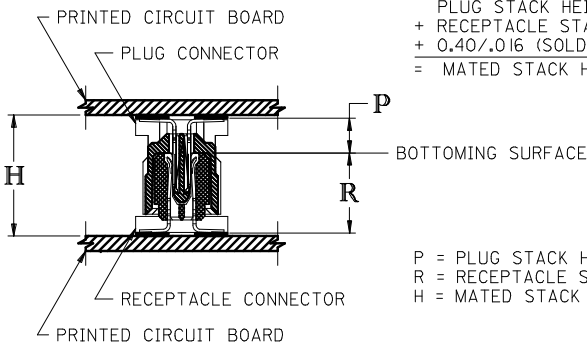
CONTACT PLATING:

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 REV	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		TITLE ASSY MFG, 1.0MM BOARD TO BOARD RECEPT CONNECTOR 5.30/.209 HIGH
		4 PLACES ± ---		± ---		CHECKED BY REED		DATE 1995/04/03		
		3 PLACES ± ---		± .005		APPROVED BY BIXLER		DATE 1995/04/03		DOCUMENT NO. SDA-71439-0***
2 PLACES ± 0.13		± .01		MATERIAL NO. SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
1 PLACE ± 0.25		± ---		ANGULAR ± 1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				