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Part Number: [0714393164](#)
Status: **Active**
Description: 1.00mm (.039") Pitch Mezzanine IEEE 1386 Receptacle, Surface Mount, Dual Row, Vertical Stacking, Tube, 0.76µm (30µ") Gold (Au), 64 Circuits

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 Receptacles
Series [71439](#)
Application Board-to-Board
Comments Plugs
Product Name Mezzanine

Physical

Circuits (Loaded) 64
Color - Resin Natural
Flammability 94V-0
Glow-Wire Compliant No
Lock to Mating Part Yes
Mated Height (in) 0.551 In, 0.591 In
Mated Height (mm) 14.00 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
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 PCB No
Surface Mount Compatible (SMC) N/A
Temperature Range - Operating -55°C to +85°C
Termination Interface: Style Surface Mount

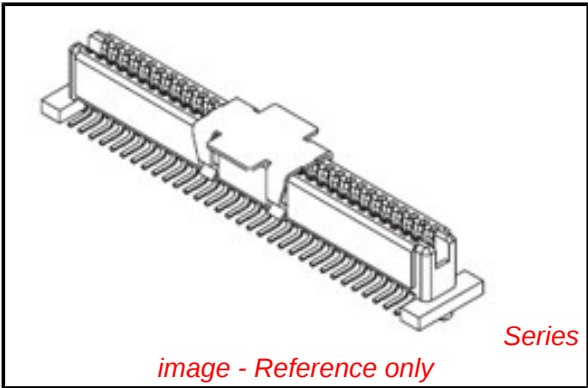
Electrical

Current - Maximum per Contact 1A
Voltage - Maximum 100V

Solder Process Data

Lead-free Process Capability Reflow Capable (SMT only)
Process Temperature max. C 260

Material Info



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
[71439Series](#)

Mates With
[714361](#) for Stack Height 14.00mm (.551"),
[714362](#) for Stack Height 15.00mm (.591")

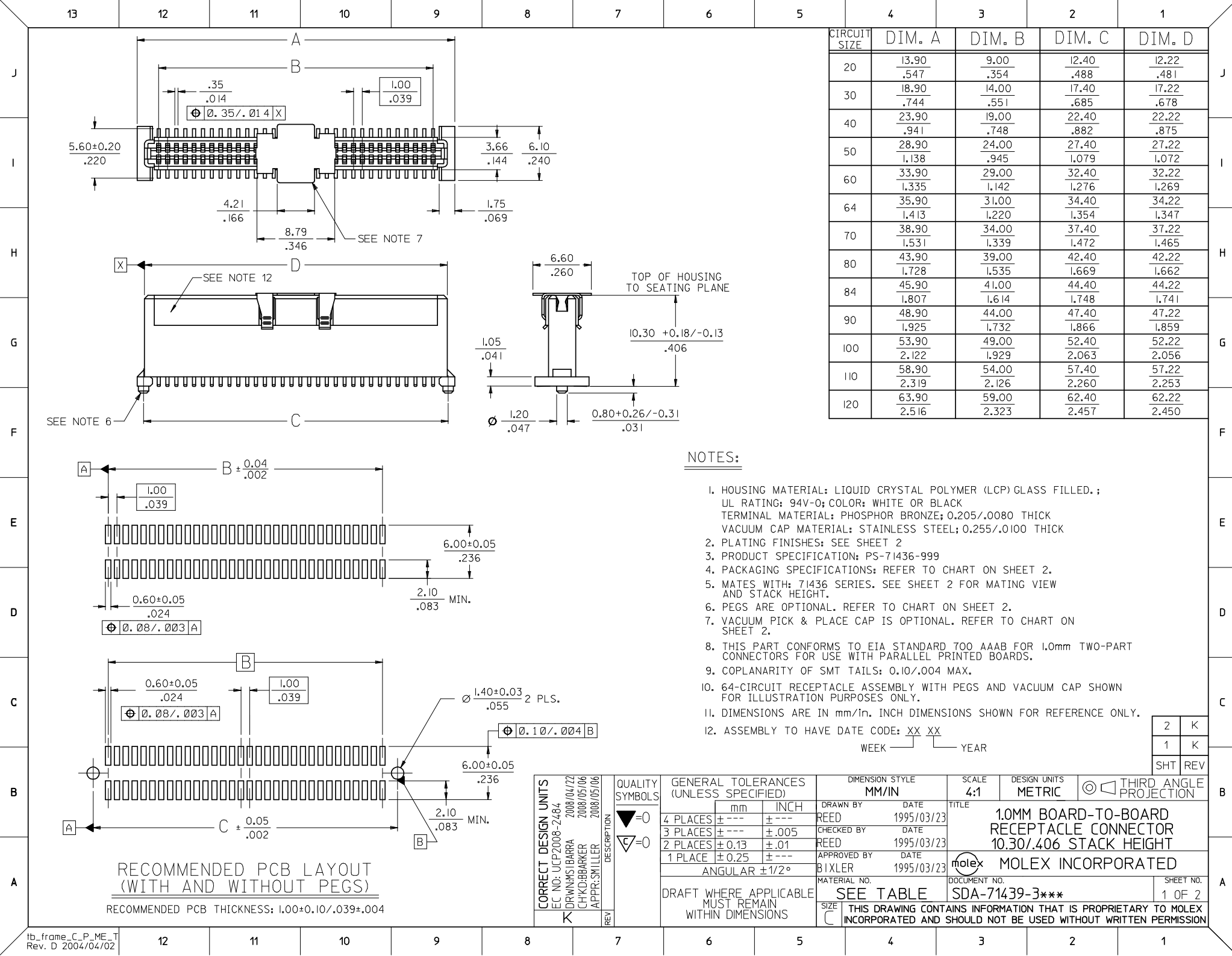
Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-71436-9999
SDA-71439-3***

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WHITE (NATURAL) MATERIAL

CIRCUIT SIZE	RECEPTACLE ASSY. ITEM NUMBER	PEGS	CONTACT PLATING (SEE PLATING NOTES)	PICK & PLACE CAP	PACKAGING SPEC. NUMBER	PACKAGING TYPE
64	71439-3164	YES	30 GOLD	NO	PK-70873-0693	TUBE
64	71439-3364	YES	30 GOLD	YES	PK-70873-0693	TUBE
64	71439-3464	YES	30 GOLD	YES	PK-70873-063	TAPE & REEL
64	71439-3564	NO	30 GOLD	NO	PK-70873-0692	TUBE
64	71439-3764	NO	30 GOLD	YES	PK-70873-0692	TUBE
64	71439-3864	NO	30 GOLD	YES	PK-70873-063	TAPE & REEL
64	71439-3264	NO	50 GOLD	YES	PK-70873-063	TAPE & REEL

PLATING NOTES:

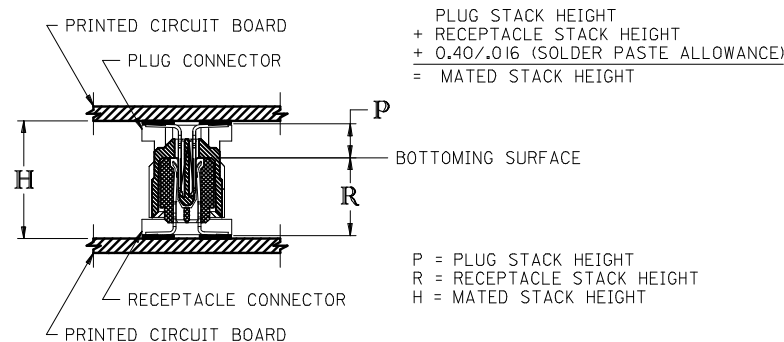
30 GOLD: SELECTIVE GOLD (Au) IN THE CONTACT AREA;
THICKNESS = 0.76 MICROMETERS (30 MICROINCHES) MINIMUM;
SELECTIVE TIN (Sn) IN THE PC TAIL AREA;
THICKNESS = 1.88 MICROMETERS (75 MICROINCHES) MINIMUM;
NICKEL UNDERPLATE OVERALL.

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.

*THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.

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.
14.00/-.551	10.30/-.406	71439-3***	3.30/-.130	71436-1***
15.00/-.591	10.30/-.406	71439-3***	4.30/-.169	71436-2***



CORRECT DESIGN UNITS EC NO: UCP2008-2484 DRAWN:MS1BARRA 2008/04/22 CHKD:BBARKER 2008/05/06 APPR:SMILLER 2008/05/06	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY REED	DATE 1995/03/23	TITLE ASSY 1.0MM BOARD-T-BOARD RECEPTACLE CONNECTOR 10.30/406 STACK HEIGHT			
			4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	CHECKED BY REED	DATE 1995/03/23				
			2 PLACES ± --- ± ---	1 PLACE ± --- ± ---	APPROVED BY BIXLER	DATE 1995/03/23				
			ANGULAR ±1/2°		MATERIAL NO. SEE TABLE		DOCUMENT NO. SDA-71439-3***		SHEET NO. 2 OF 2	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				