

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0741395568](#)
Status: **Active**
Description: 1.27mm (.050") Pitch EBBI™ 50D Plug, Surface Mount, Vertical, with Latch, 68 Circuits, 3.00mm (.118") Retention Clip

Documents:

3D Model	Product Specification PS-71660 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	74139
Application	Board-to-Board, Wire-to-Board
Product Name	EBBI™

Physical

Breakaway	No
Circuits (Loaded)	68
Circuits (maximum)	68
Color - Resin	Black
Durability (mating cycles max)	500
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Brass, 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	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.25
Polarized to Mating Part	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

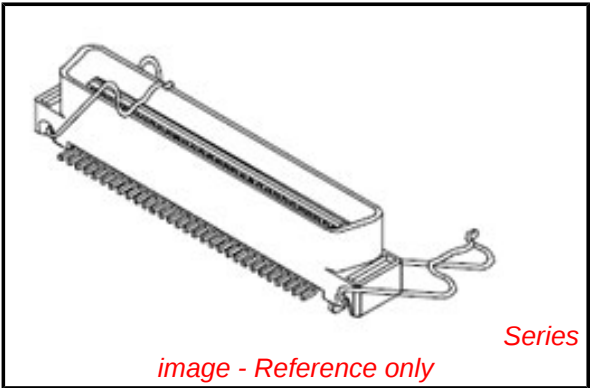
Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	30V

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
Not Reviewed
**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
[74139Series](#)

Mates With
[71660](#) , [87552](#)

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-71660
SD-74139-002

This document was generated on 04/21/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

13 12 11 10 9 8 7 6 5 4 3 2 1

J

I

H

G

F

E

D

C

B

A

J

I

H

G

F

E

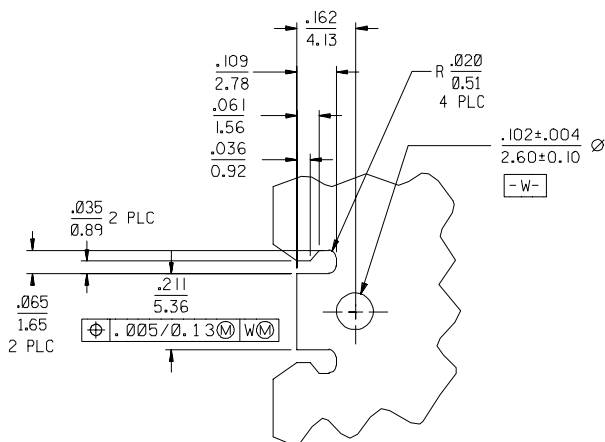
D

C

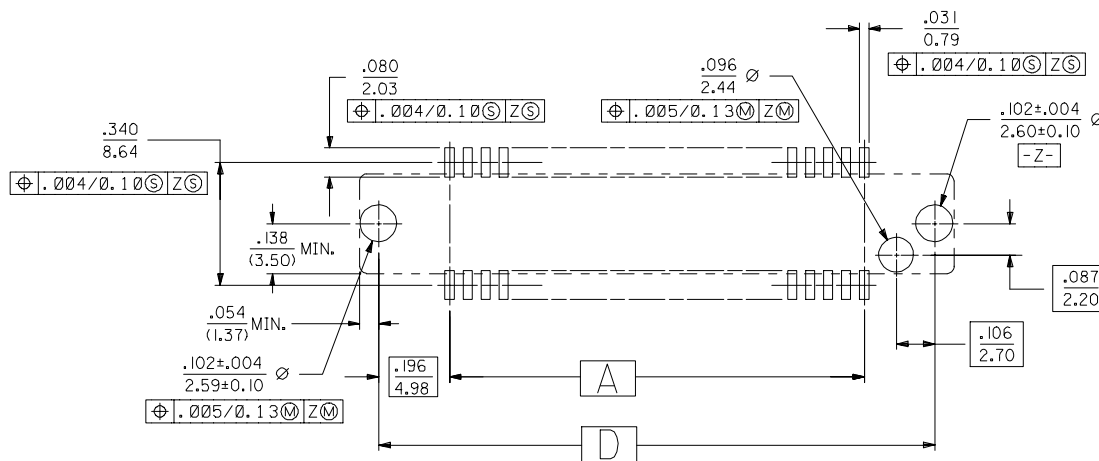
B

A

MATERIAL NUMBER	CKT	A	B	C	D	E	PCB THICKNESS	PACKAGING SPEC.
74139-5530	30	.700 (17.78)	.926 (23.52)	1.199 (30.45)	1.092 (27.74)	.118 (3.00)	.062 (1.57)±.006 (0.15)	PK-70873-055
74139-5540	40	.950 (24.13)	1.176 (29.87)	1.449 (36.80)	1.342 (34.09)	.118 (3.00)	.062 (1.57)±.006 (0.15)	PK-70873-055
74139-5660	60	1.450 (36.83)	1.676 (42.57)	1.949 (49.50)	1.842 (46.79)	.118 (3.00)	.062 (1.57)±.006 (0.15)	PK-70873-055
74139-5568	68	1.650 (41.91)	1.876 (47.65)	2.149 (54.58)	2.042 (51.88)	.118 (3.00)	.062 (1.57)±.006 (0.15)	PK-70873-055
74139-5569	68	1.650 (41.91)	1.876 (47.65)	2.149 (54.58)	2.042 (51.88)	.172 (4.37)	.116 (2.95)±.006 (0.15)	PK-70873-055
74139-5600	100	2.450 (62.23)	2.676 (67.97)	2.949 (74.90)	2.842 (72.19)	.118 (3.00)	.062 (1.57)±.006 (0.15)	PK-70873-055



DETAIL FOR RECEPTACLE PCB LATCHING



PCB LAYOUT: COMPONENT SIDE
SEE TABLE FOR RECOMMENDED PCB THICKNESS

ADD -5540 EC NO: UCP2008-0028 DRAWN:BBARKER 2007/08/06 CHKD: DANIELLEY 2007/08/08 APPR: SMILLER 2007/08/08 REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION	TITLE SALES ASSY EBBI 50D VERT SMT PLUG-WITH LATCHES, NO VAC CAP  MOLEX INCORPORATED
				mm	INCH	DRAWN BY BSMART	DATE 01/20/2005	DOCUMENT NO. SD-74139-002		
			4 PLACES	± .005	± .005	CHECKED BY BBARKER	DATE 01/20/2005			
			3 PLACES	± .01	± .01	APPROVED BY SMILLER	DATE 01/20/2005			
			2 PLACES	± .013	± .01	MATERIAL NO.	SHEET NO. 2 OF 2			
			1 PLACE	± 0.25	± .005	SEE TABLE				
			ANGULAR		± 1/2°	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				

12 11 10 9 8 7 6 5 4 3 2 1