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Part Number:

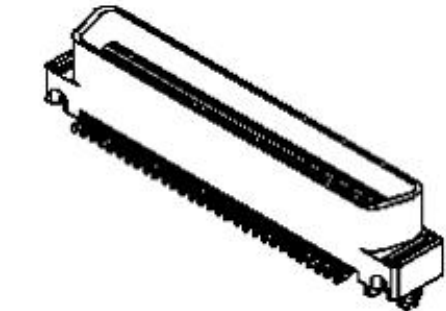
0741395040

Status:

Active

Description:

1.27mm (.050") Pitch EBBI™ 50D Plug, Surface Mount, Vertical, 40 Circuits, 3.00mm (.118") Retention Clip



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-71660 \(PDF\)](#)
- [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)	40
Circuits (maximum)	40
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
Contains SVHC: No
Halogen-Free
Status

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-74139-001

This document was generated on 04/08/2010

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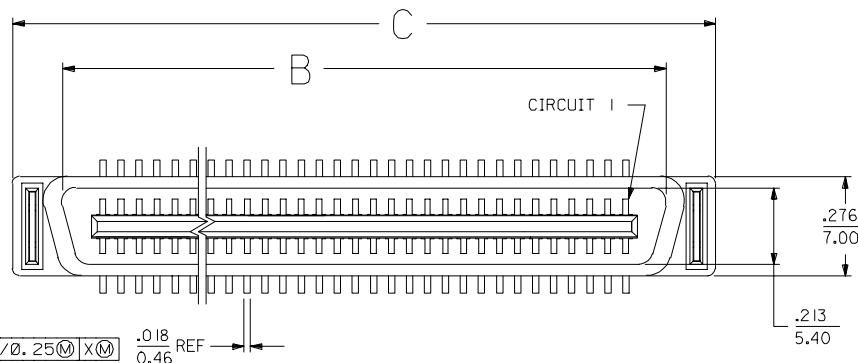
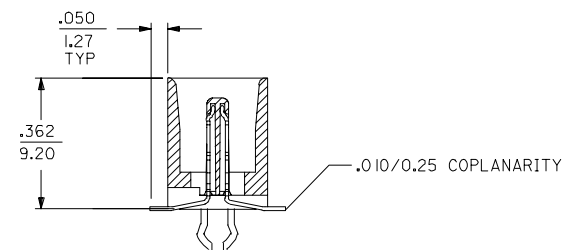
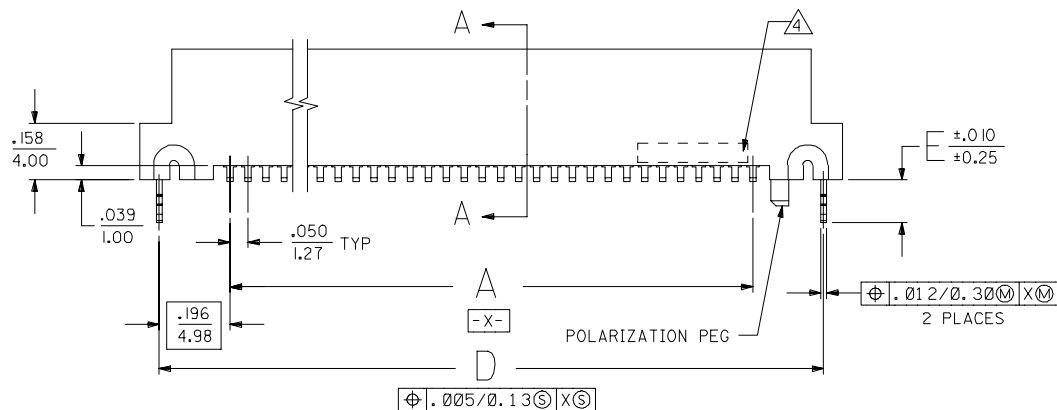
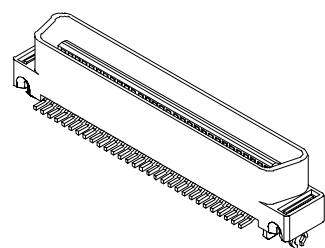
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NOTES:

- 1) MATERIALS:
HOUSING: GLASS-FILLED LCP (LIQUID CRYSTAL POLYMER)
UL 94 V O, BLACK
TERMINALS: BRASS
BOARDLOCK: PHOSPHOR BRONZE
- 2) PLATING:
.000030/(0.00076) MINIMUM GOLD IN CONTACT AREA AND
.000050/(0.00127) MINIMUM TIN IN TAIL AREA OVER
.000075/(0.00191) MINIMUM NICKEL UNDERPLATING OVERALL.
- 3) ASSEMBLY MATES WITH MOLEX P/N SDA-71660-****.
CONFORMS TO PRODUCT SPECIFICATION PS-71660.
- 4) FOUR DIGIT DATE CODE (WK, YR), EXAMPLE => 26 96
LOCATED IN AREA INDICATED.
- 5) PACKAGED PER SPECIFICATION PK-70873-055.

SECTION A-A
SCALE 4:160 CIRCUIT ASSEMBLY SHOWN
SCALE = 2:1

FIX PCB LAYOUT GEOM EC NO: UCP2007-2252 DRWN:BBARKER 2007/05/06 CHKD:MBARRA 2007/05/17 APPR:SMILLER 2007/05/21 REV:	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION 		
				mm	INCH	DRAWN BY BSMART	DATE 01/20/2005	TITLE SALES ASSY EBBI 50D VERT SMT PLUG-NO LATCHES, NO VAC CAP MOLEX MOLEX INCORPORATED	DOCUMENT NO. SD-74139-001	SHEET NO. 1 OF 2	
			4 PLACES	± ---	± ---	CHECKED BY BBARKER	DATE 01/20/2005				
			3 PLACES	± ---	± .005	APPROVED BY SMILLER	DATE 01/20/2005				
			2 PLACES	± 0.13	± .01	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
			1 PLACE	± 0.25	± ---						
			ANGULAR		± 1/2°	MATERIAL NO.		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

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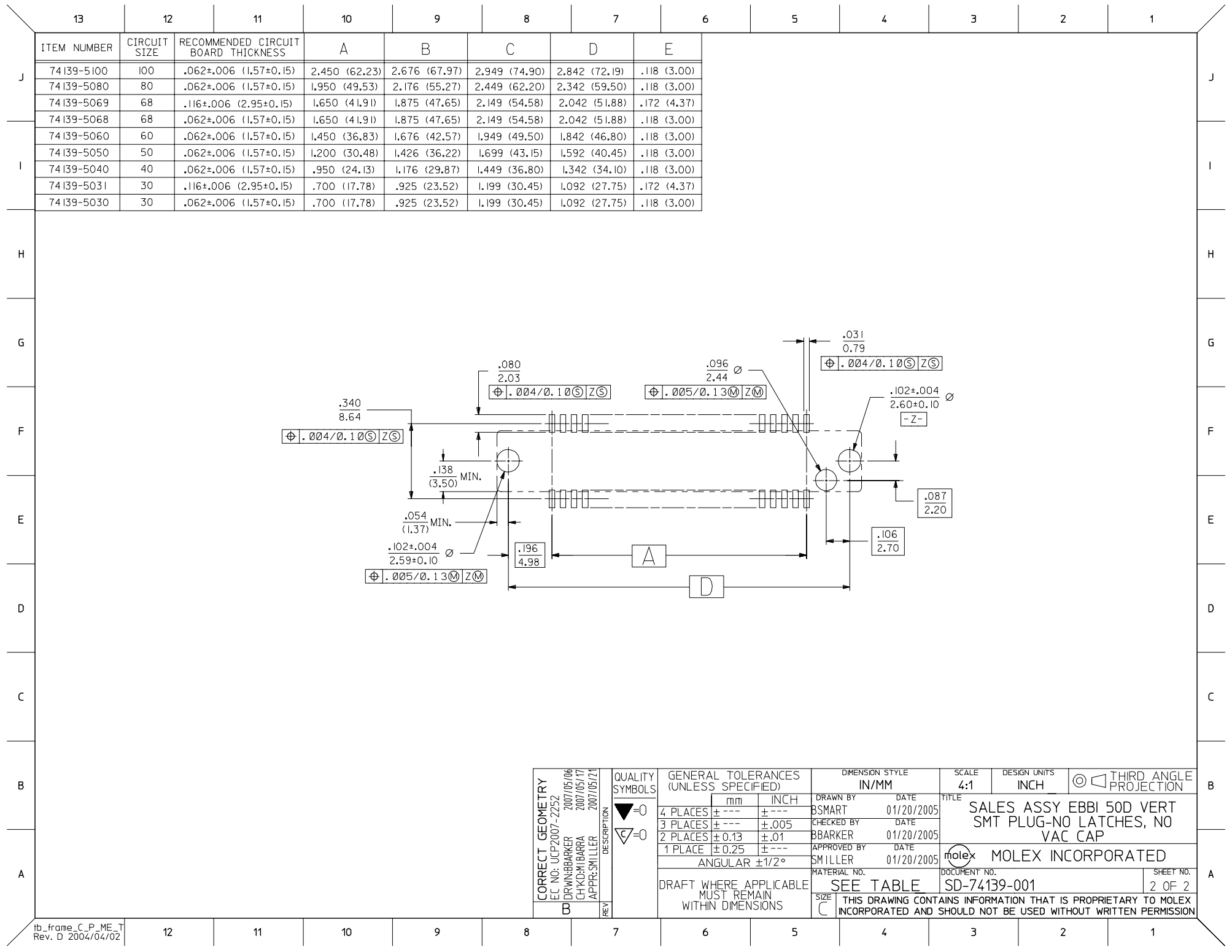
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CORRECT GEOMETRY FC NO: UCP2007-2252 DRAWN BY: BBARKER 2007/05/06 CHKD: MBARRA 2007/05/17 APPR: SMILLER 2007/05/21 REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY BSMART	DATE 01/20/2005	TITLE SALES ASSY EBBI 50D VERT SMT PLUG-NO LATCHES, NO VAC CAP	DOCUMENT NO. SD-74139-001		SHEET NO. 2 OF 2
			4 PLACES	± ---	± ---	CHECKED BY BBARKER	DATE 01/20/2005				
			3 PLACES	± ---	± .005	APPROVED BY SMILLER	DATE 01/20/2005				
			2 PLACES	± 0.13	± .01	MATERIAL NO.		MOLEX MOLEX INCORPORATED		SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
			1 PLACE	± 0.25	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
			ANGULAR ±1/2°		SEE TABLE						