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Part Number: 0741395540
Status: Active
Description: 1.27mm (.050") Pitch EBBI™ 50D Plug, Surface Mount, Vertical, with Latch, 40 Circuits, 3.00mm (.118") Retention Clip

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
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 Vertical, 87552 Right Angle

Reference - Drawing Numbers

Product Specification	PS-71660
Sales Drawing	SD-74139-002

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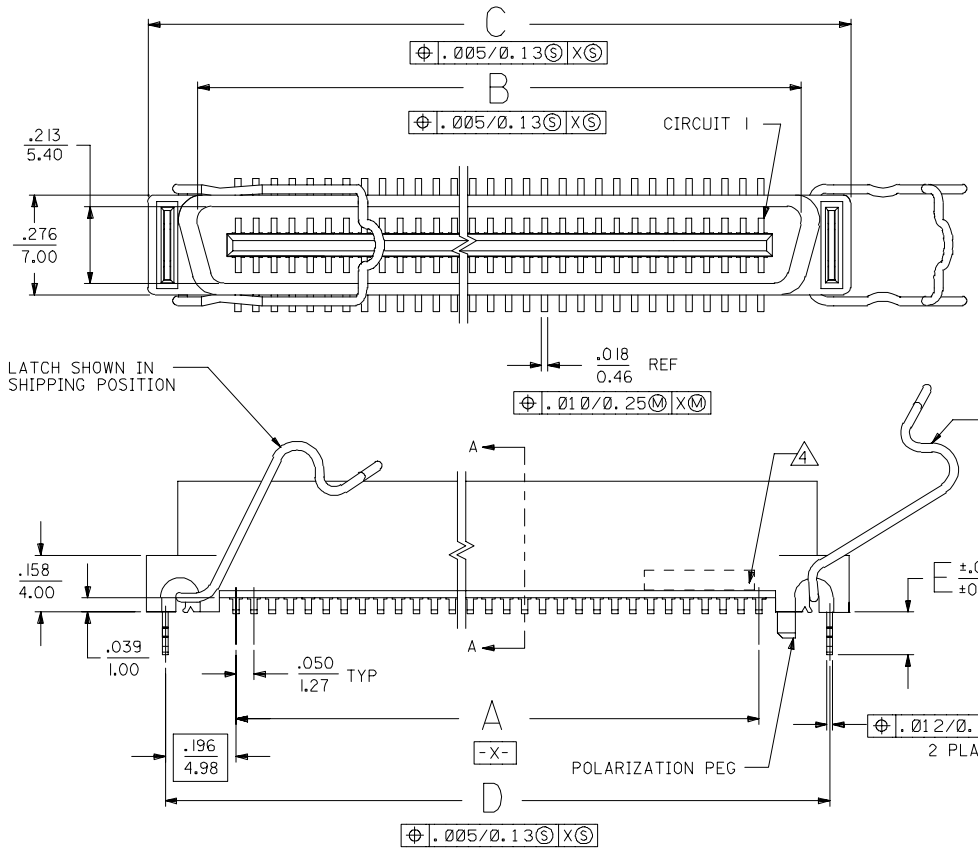
NOTES:

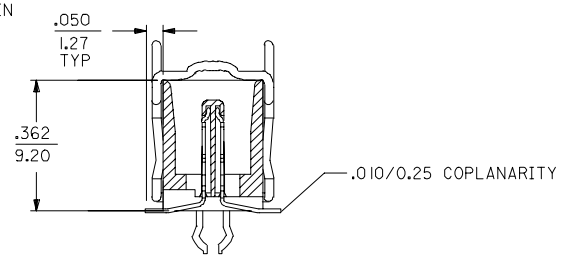
1) MATERIALS:
HOUSING: GLASS-FILLED LCP (LIQUID CRYSTAL POLYMER) UL 94 V 0, BLACK
TERMINALS: BRASS
BOARD LOCKS: PHOSPHOR BRONZE
METAL LATCHES: 302 STAINLESS STEEL.

2) FINISH:
TERMINALS:
.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.
BOARD LOCKS:
.000050/(0.00127) MINIMUM TIN

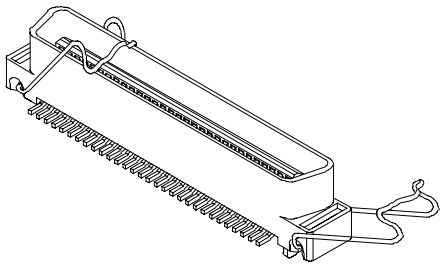
3) ASSEMBLY MATES WITH MOLEX P/N SDA-71660-****.
CONFORMS TO PRODUCT SPECIFICATION PS-71660.

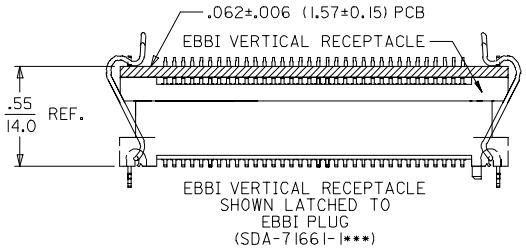
4 FOUR DIGIT DATE CODE (WK, YR), EXAMPLE => 26 96
LOCATED IN AREA INDICATED.

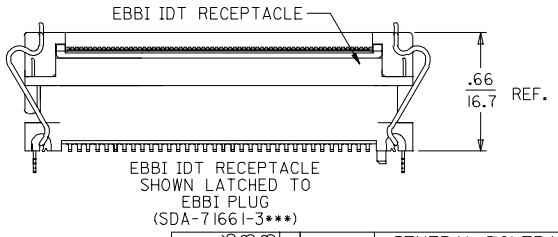




SECTION A-A
SCALE 4:1







REFERENCE APPLICATION VIEWS

2	D
1	D
SHT	REV

ADD -5540
EC NO: UCP2008-0028 2007/08/06
DRWN: BBARKER 2007/08/08
CHK'D:
APPR: SMILLER 2007/08/08
DESCRIPTION
REV
D

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

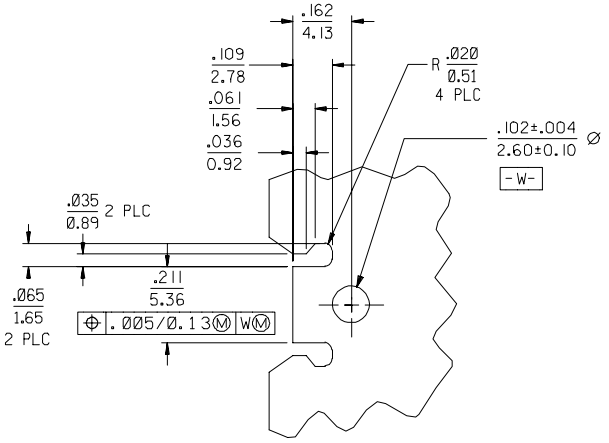
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .01
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

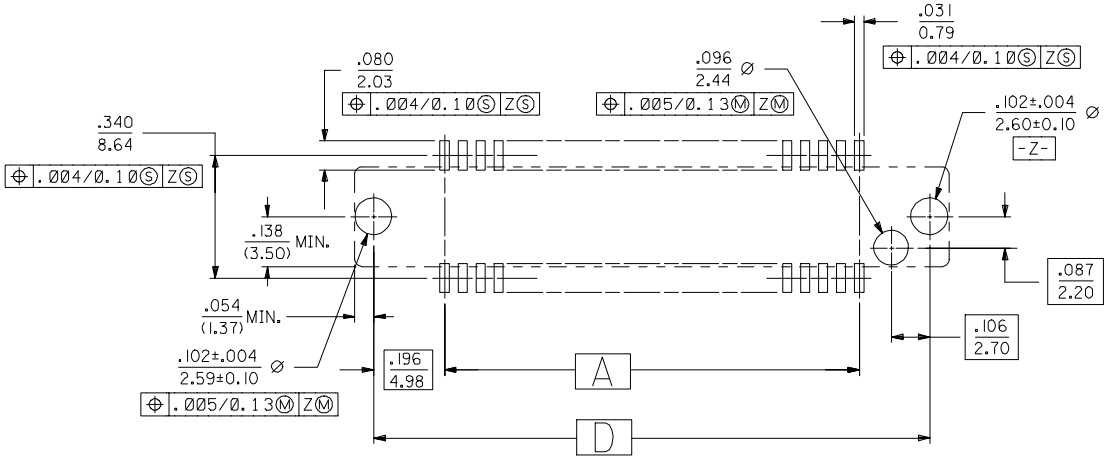
DIMENSION STYLE	IN/MM
SCALE	1:1
DESIGN UNITS	INCH
	THIRD ANGLE PROJECTION
DRAWN BY	BSMART
DATE	01/20/2005
CHECKED BY	BBARKER
DATE	01/20/2005
APPROVED BY	SMILLER
DATE	01/20/2005
TITLE	SALES ASSY EBBI 50D VERT SMT PLUG-WITH LATCHES, NO VAC CAP
	MOLEX INCORPORATED
MATERIAL NO.	SEE TABLE
DOCUMENT NO.	SD-74139-002
SHEET NO.	1 OF 2
SIZE	C

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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 2007/08/06
DRWN:BBARKER 2007/08/08
CHKD:SDANNELLEY 2007/08/08
APPR:SMILLER 2007/08/08
DESCRIPTION
REV
D

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
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: IN/MM
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY	BSMART	DATE 01/20/2005
CHECKED BY	BBARKER	DATE 01/20/2005
APPROVED BY	SMILLER	DATE 01/20/2005

TITLE: SALES ASSY EBBI 50D VERT SMT PLUG-WITH LATCHES, NO VAC CAP

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-74139-002
SHEET NO.: 2 OF 2

SIZE C

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