

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0716617030

Status:

Active

Overview:

ebbi_50d

Description:

1.27mm (.050") Pitch EBBI™ 50D Plug, Vertical, Blind Mate, 30 Circuits, 2.79mm (.110") PC Tail Length

Documents:

3D Model

Drawing (PDF)

Product Specification PS-71660 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

UL

LR19980

E29179

General

Product Family

Series

Application

MolexKits

Overview

Product Name

PCB Headers

71661

Board-to-Board, Wire-to-Board

Yes

ebbi_50d

EBBI™

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Shrouded

No

30

30

Black

2,000

No

94V-0

No

Yes

None

None

Copper Alloy

Gold

Tin

High Temperature Thermoplastic

2

Vertical

0.110 In

2.79 mm

Yes

Yes

0.062 In

1.60 mm

Tray

0.050 In

1.27 mm

30

0.76

75

1.91

Yes

Yes

Fully



Series

image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

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

71661Series

Mates With

EBBI™ 50D Receptacle 71660

Stackable	No
Surface Mount Compatible (SMC)	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	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

Material Info

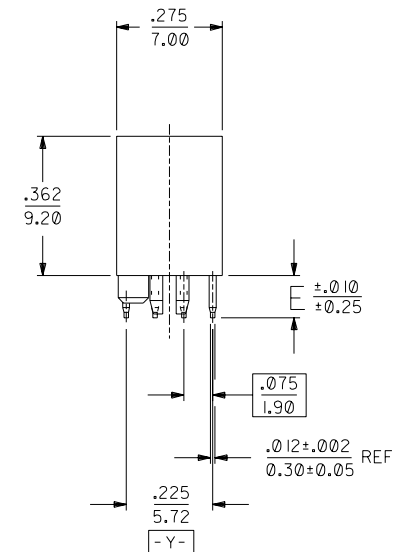
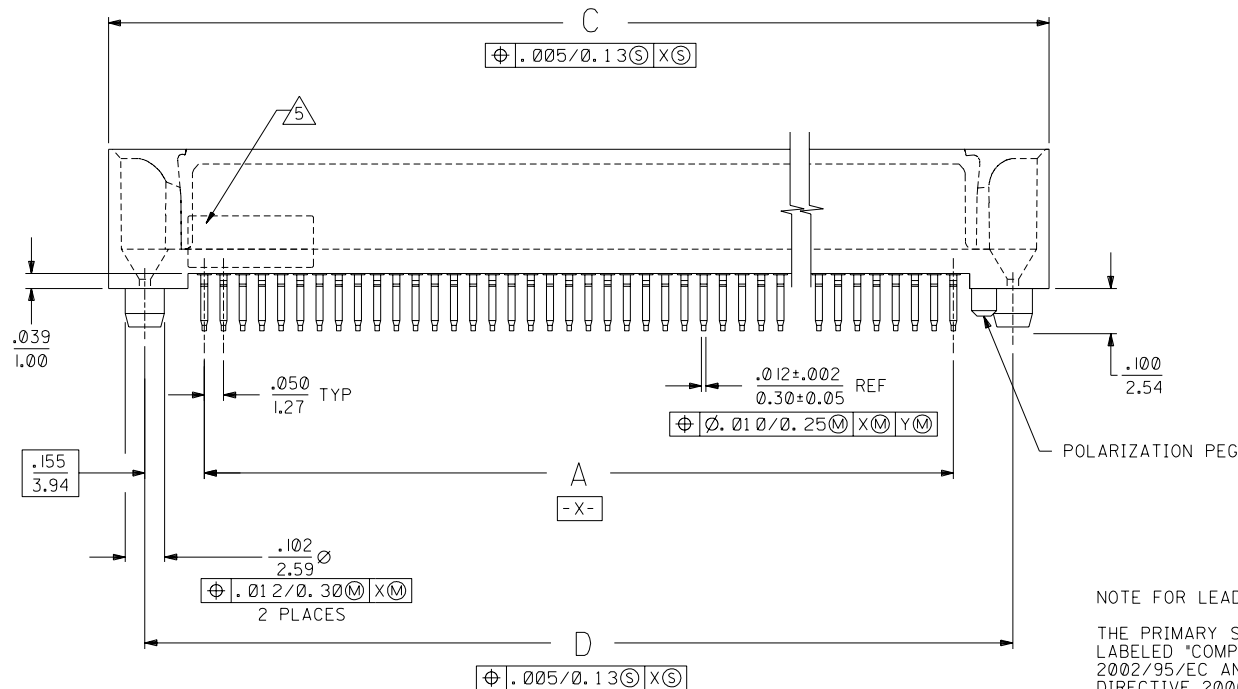
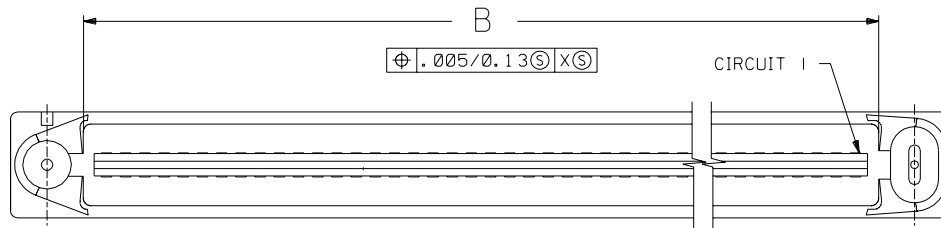
Reference - Drawing Numbers

Packaging Specification	PK-71660
Product Specification	PS-71660
Sales Drawing	SDA-71661-7***

This document was generated on 06/08/2010

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- 6) PRODUCT PACKAGED PER SPECIFICATION PK-71660.



NOTE FOR LEAD FREE CONVERSION:

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.

L	LEAD FREE CONV. PER ECU U0096 RKADAMS 04/04/26
K	REVISED PER ECU U7314 ACHAMMER 97-4-28
J	REVISED PER ECU U70133 ACHAMMER 96-8-7
I	REVISED PER ECU U6477 7-3-96 DGA
H	REVISED PER ECU U6278 5-2-96 DGA
G	REVISED PER ECU U60641 11-28-95 DRS
F	REVISED PER ECU U60564 11-8-95 RAN
E	REVISED PER ECU U50229 9-23-94 RAN
D	REVISED PER ECU U50090 8-30-94 RAN
C	REVISED PER ECU U40586 4-15-94 RAN
B	REVISED PER ECU U40305 3-4-94 RAN
A	INITIAL RELEASE PER ECU U0832 12-15-93 RAN

		2	K	I	PRELIMINARY
		I	L		11-17-93 RAN
MFG.	SH.	REV.	LTR.	REVISIONS	

DIMENSIONS SHOWN (METRIC) INCH			▽ = 0 ▼ = 0		REVISE ONLY ON CAD SYSTEM	
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°			TITLE		SALES ASSEMBLY	
INCH METRIC			EBBI 50D, VERTICAL PLUG		DATE	
3 PLACE ± .005 ---			BLIND MATE CONNECTOR		1 OF 2	
2 PLACE ± .01 ±			MOLEX INCORPORATED		11 / 17 / 93	
1 PLACE --- ±			LIFE SIZE U.S.A.		DRAWING NO.	
DRAFT WHEN APPLICABLE MUST REMAIN WITHIN DIMENSIONS			PART NO.		SDA-71661-7***	
DRWG. BY: RAN			SEE TABLE		DIV. C	
APP'D. BY: CAB			FILE NAME: S71661.X7		SIZE	
CHK'D. BY: RAN			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		DRAWN BY: SDA-71661-7***	
SCALE: 4:1						

