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Part Number:

0716617100

Status:

Active

Overview:

ebbi_50d

Description:

1.27mm (.050") Pitch EBBI™ 50D Plug, Vertical, Blind Mate, 100 Circuits, 2.79mm (.110") PC Tail Length

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

Agency Certification

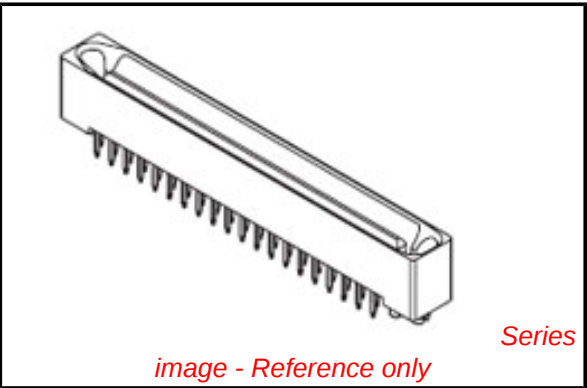
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	71661
Application	Board-to-Board, Wire-to-Board
Overview	ebbi_50d
Product Name	EBBI™

Physical

Breakaway	No
Circuits (Loaded)	100
Circuits (maximum)	100
Color - Resin	Black
Durability (mating cycles max)	2,000
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PC Tail Length (in)	0.110 In
PC Tail Length (mm)	2.79 mm
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)	0.76
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.91
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No



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

71661Series

Mates With

EBBI™ 50D Receptacle 71660

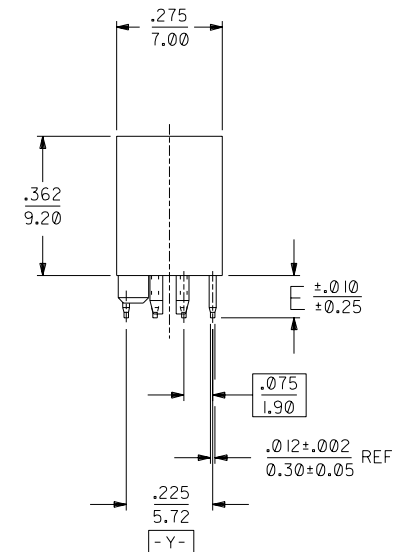
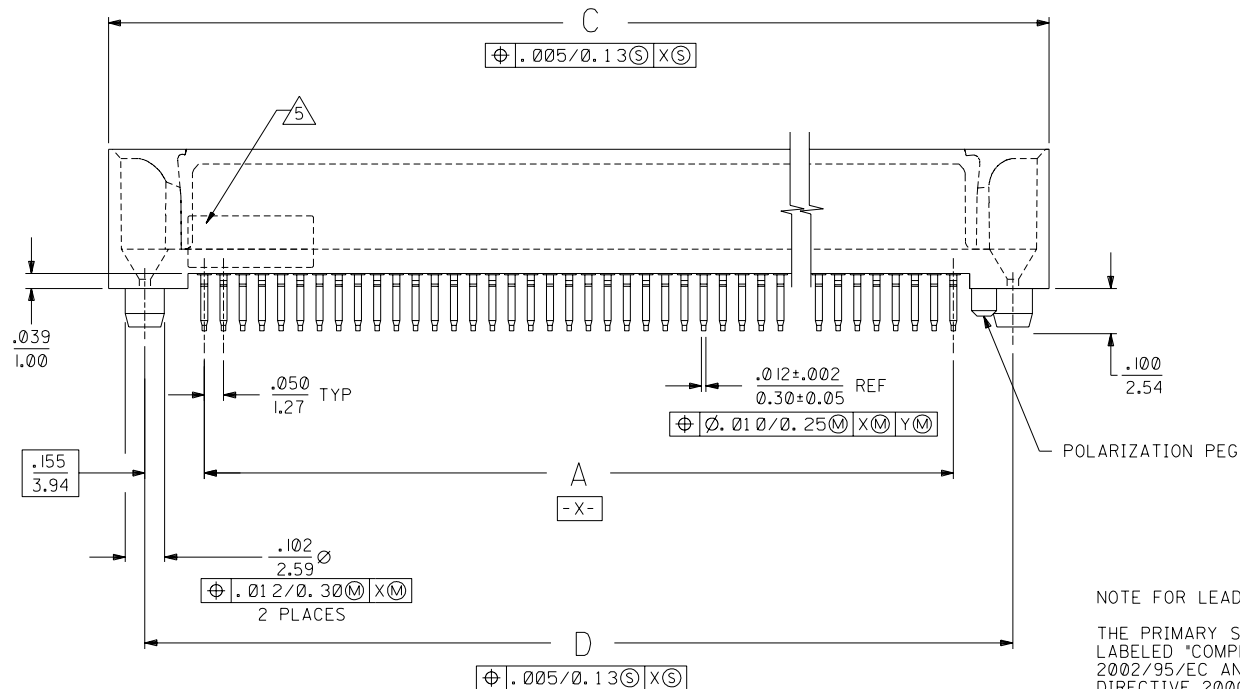
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	1A
Voltage - Maximum	30V
Solder Process Data	
Lead-free Process Capability	SMC & Wave Capable (TH only)
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-71660
Product Specification	PS-71660
Sales Drawing	SDA-71661-7***

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6) PRODUCT PACKAGED PER SPECIFICATION PK-71660.



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 ECN UCP2004-2096 RKADAMS 04/04/26
K	REVISED PER ECN U70134 ACHAMMER 97-4-28
J	REVISED PER ECN U01033 ACHAMMER 96-8-7
I	REVISED PER ECN U61477 7-3-96 DGA
H	REVISED PER ECN U61278 5-2-96 DGA
G	REVISED PER ECN U60641 11-28-95 DRS
F	REVISED PER ECN U60564 11-8-95 RAN
E	REVISED PER ECN U50229 9-23-94 RAN
D	REVISED PER ECN U50030 8-30-94 RAN
C	REVISED PER ECN U40506 4-15-94 RAN
B	REVISED PER ECN U40305 3-4-94 RAN
A	INITIAL RELEASE PER ECN U0302 12-15-93 RAN

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

DIMENSIONS SHOWN: METRIC INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR = 1/2°		$\nabla = 0$ $\blacktriangledown = 0$ REVISE ONLY ON CAD SYSTEM			
		TITLE SALES ASSEMBLY EBBI 50D, VERTICAL PLUG BLIND MATE CONNECTOR			
INCH METRIC		MOLEX INCORPORATED SHEET NO. DATE 155 LILLIE, 69532 U.S.A. 1 OF 2 11 / 17 / 93			
DRAFT WHEN APPLICABLE MUST REMAIN WITHIN DIMENSIONS		PART NO. DRWG. NO. SEE TABLE SDA-71661-7***			
DRWG. BY:	CAN	CHK'D. BY:	CAN	FILE NAME:	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.
APP'D. BY:	RAN	SCALE:	2:	571661X7	DIV. SIZE

