

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0716612568

Status:

Active

Overview:

ebbi_50d

Description:

1.27mm (.050") Pitch EBBI™ 50D Plug, Right Angle, Blind-Mate, 68 Circuits, 2.79mm (.110") PC Tail Length

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

Agency Certification

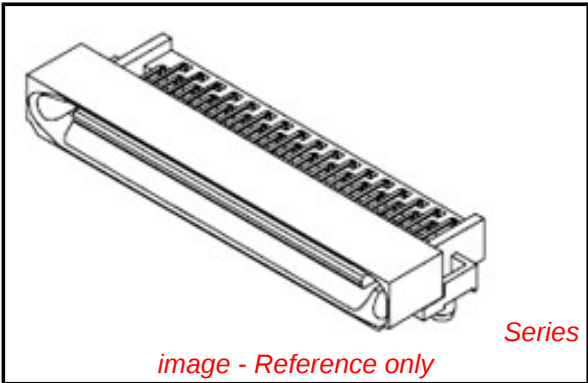
CSA	LR19980
UL	E29179

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)	68
Circuits (maximum)	68
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	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Right Angle
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
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.30
Polarized to Mating Part	Yes
Polarized to PCB	Yes



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

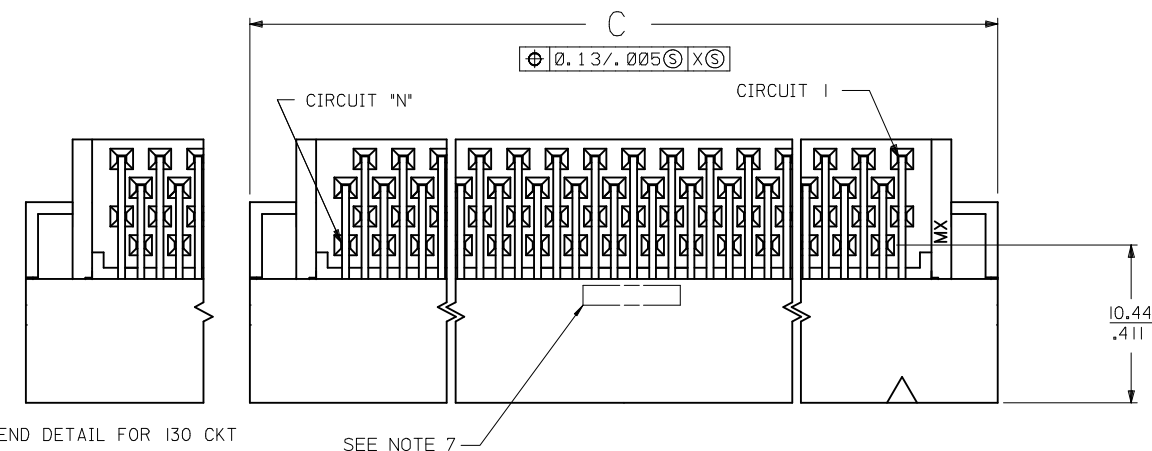
Mates With

EBBI™ 50D Receptacle 71660 , 87537

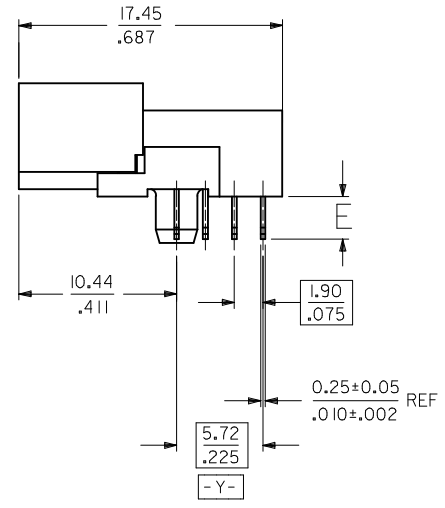
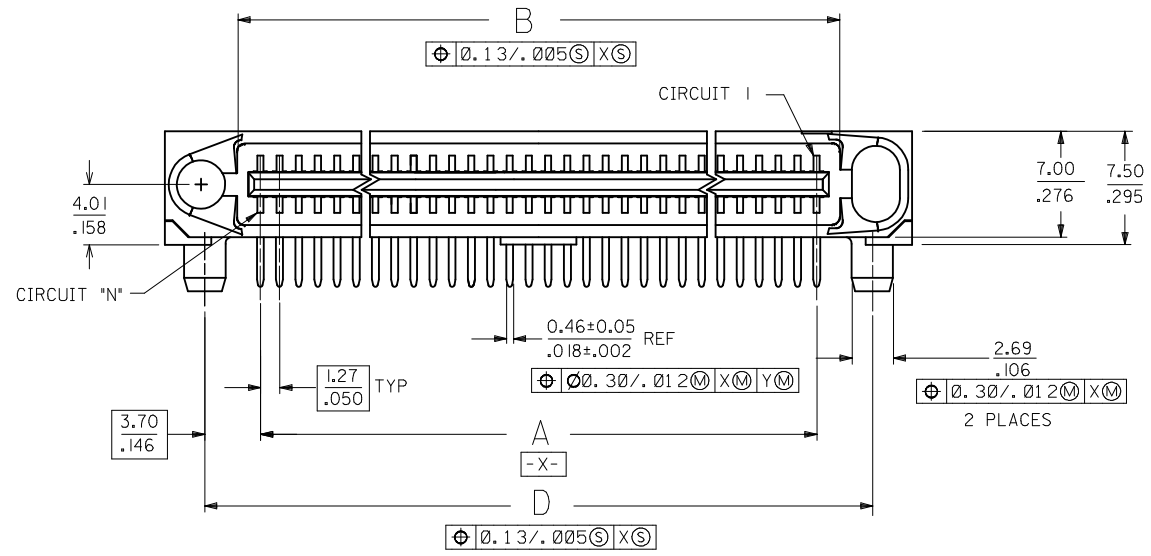
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	1A
Voltage - Maximum	30V
Solder Process Data	
Lead-free Process Capability	SMC & Wave Capable (TH only)
Process Temperature max. C	235
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-70873-084*
Product Specification	PS-71660
Sales Drawing	SDA-71661-25**

This document was generated on 05/31/2010

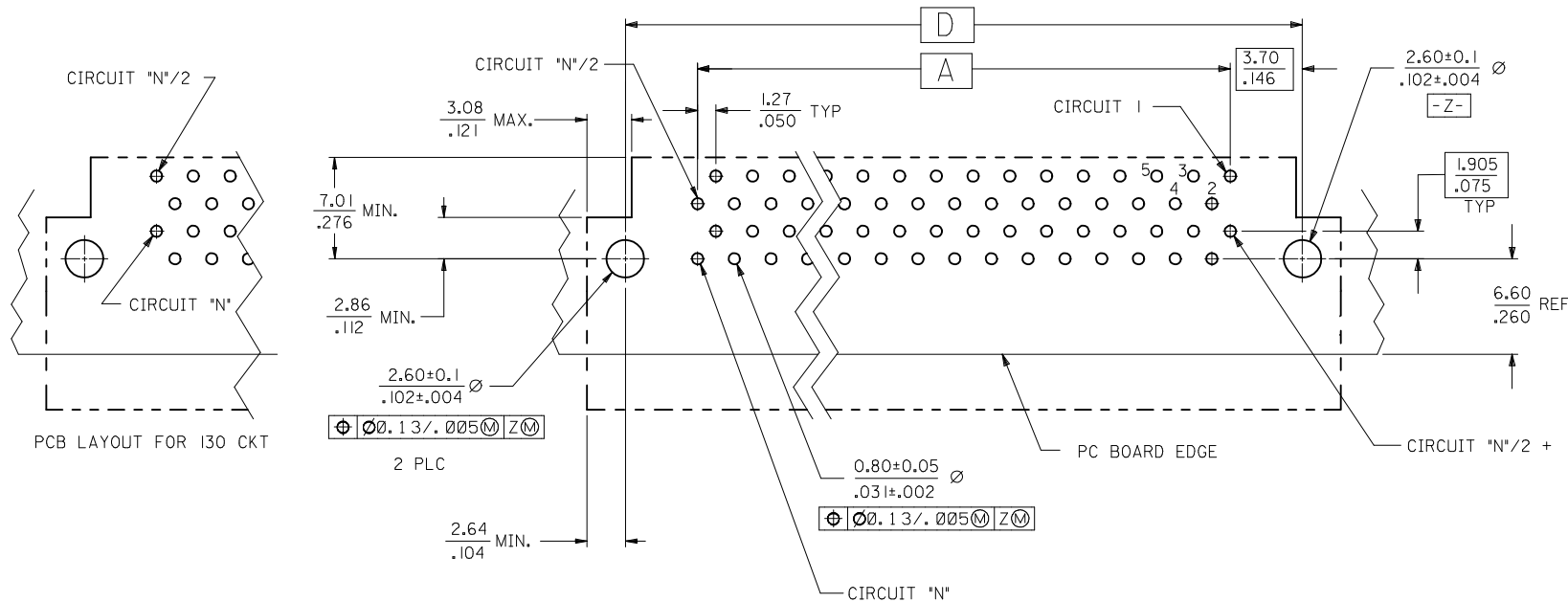
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



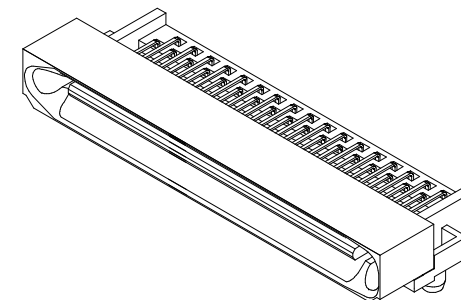
- NOTES:
1. MATERIAL:
HOUSING: LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0,
COLOR: BLACK
TERMINALS: BRASS
 2. FINISH:
TERMINAL: 0.76 MICROMETERS/30 MICROINCHES MINIMUM SELECTIVE GOLD
IN CONTACT AREA; 1.27 MICROMETERS/50 MICROINCHES MINIMUM
SELECTIVE TIN IN THE PC TAIL AREA; NICKEL UNDERPLATE OVERALL.
 3. CONFORMS TO PRODUCT SPEC: PS-71660
 4. PRODUCT PACKAGED PER PK-70873-084*
 5. ASSEMBLY MATES WITH MOLEX P/N SDA-71660-7***
 6. RECOMMENDED PC BOARD THICKNESS IS 1.6 MM/.062 IN
 7. FOUR DIGIT DATE CODE (WK.YR.) EXAMPLE 26 96 LOCATED IN AREA SHOWN



CHANGE MATERIAL EC NO: UCP2009-1254 DRWN:MSIBARRA 2008/12/19 CHKD:BSMART 2009/01/06 APPR:SMILLER 2009/01/06 K		DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION 		
					mm	INCH	DRAWN BY RAN		DATE 1995/04/26		TITLE SALES ASSMBLY EBBI 50D RIGHT ANGLE BLIND MATE PLUG	
				4 PLACES	± ---	± ---	CHECKED BY RAN		DATE 1995/04/26			
				3 PLACES	± ---	± .010	APPROVED BY CAB		DATE 1995/04/26			
REV				2 PLACES	± 0.25	± ---	MOLEX		MOLEX INCORPORATED			
				1 PLACE	± ---	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SDA-71661-25**		SHEET NO. 1 OF 2	
				ANGULAR ±1/2°								
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



RECOMMENDED PC BOARD LAYOUT
COMPONENT SIDE
SEE NOTE 6



68 CIRCUIT ASSEMBLY SHOWN
SCALE 2:1

3.491 (88.67)	3.699 (93.95)	3.320 (84.33)	3.200 (81.28)	.110 (2.79)	130	71661-2513
2.741 (69.63)	2.949 (74.90)	2.570 (65.28)	2.450 (62.23)	.110 (2.79)	100	71661-2511
2.241 (56.92)	2.449 (62.20)	2.070 (52.586)	1.950 (49.53)	.110 (2.79)	80	71661-2580
1.941 (49.31)	2.149 (54.58)	1.770 (44.96)	1.650 (41.91)	.110 (2.79)	68	71661-2568
1.941 (49.31)	2.149 (54.58)	1.770 (44.96)	1.650 (41.91)	.125 (3.18)	68	71661-2518
1.241 (31.53)	1.449 (36.80)	1.070 (27.18)	.950 (24.13)	.110 (2.79)	40	71661-2540
D	C	B	A	E	CKT (*N*)	ITEM NUMBER

REV	DESCRIPTION
K	UPDATE REV LEVEL EC NO: UCP2009-1254 DRWN:MSBARRA 2008/12/19 CHKD:BSMART 2009/01/06 APPR:SMILLER 2009/01/06

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± ---	± ---
3 PLACES ± ---	± .010
2 PLACES ± 0.25	± ---
1 PLACE ± ---	± ---
ANGULAR ± 1/2°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE MM/IN	
DRAWN BY	DATE
RAN	1995/04/26
CHECKED BY	DATE
RAN	1995/04/26
APPROVED BY	DATE
CAB	1995/04/26
MATERIAL NO.	
SEE TABLE	
SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
C	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
4:1	INCH	
TITLE		
SALES ASSMBLY EBBI 50D RIGHT ANGLE BLIND MATE PLUG		
molex MOLEX INCORPORATED		
DOCUMENT NO. SDA-71661-25**		SHEET NO. 2 OF 2

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9