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Part Number: [0716607660](#)
Status: **Active**
Description: 1.27mm (.050") Pitch EBBI™ 50D Receptacle, Vertical, Blind-Mate, 60 Circuits

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family PCB Receptacles
Series [71660](#)
Application Board-to-Board
Product Name EBBI™

Physical

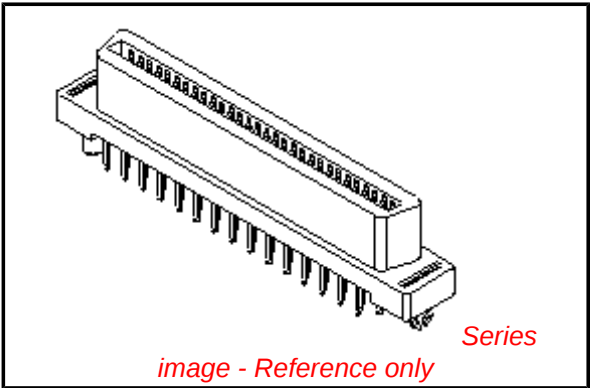
Circuits (Loaded) 60
Color - Resin Black
Durability (mating cycles max) 2,000
Flammability 94V-0
Glow-Wire Compliant No
Guide to Mating Part Yes
Lock to Mating Part None
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 2
Orientation Vertical
PC Tail Length (in) 0.155 In
PC Tail Length (mm) 3.94 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) 0.75
Plating min: Termination (µin) 10
Plating min: Termination (µm) 0.25
Polarized to PCB Yes
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -40°C to +105°C
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 1A
Voltage - Maximum 30V

Material Info

Reference - Drawing Numbers



EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Not Reviewed**
**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

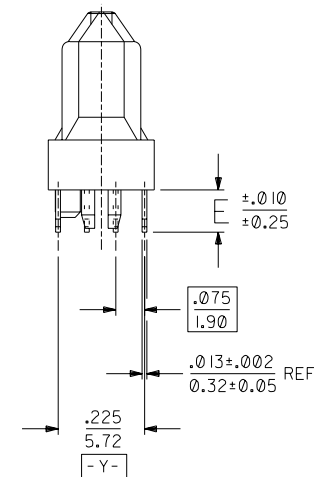
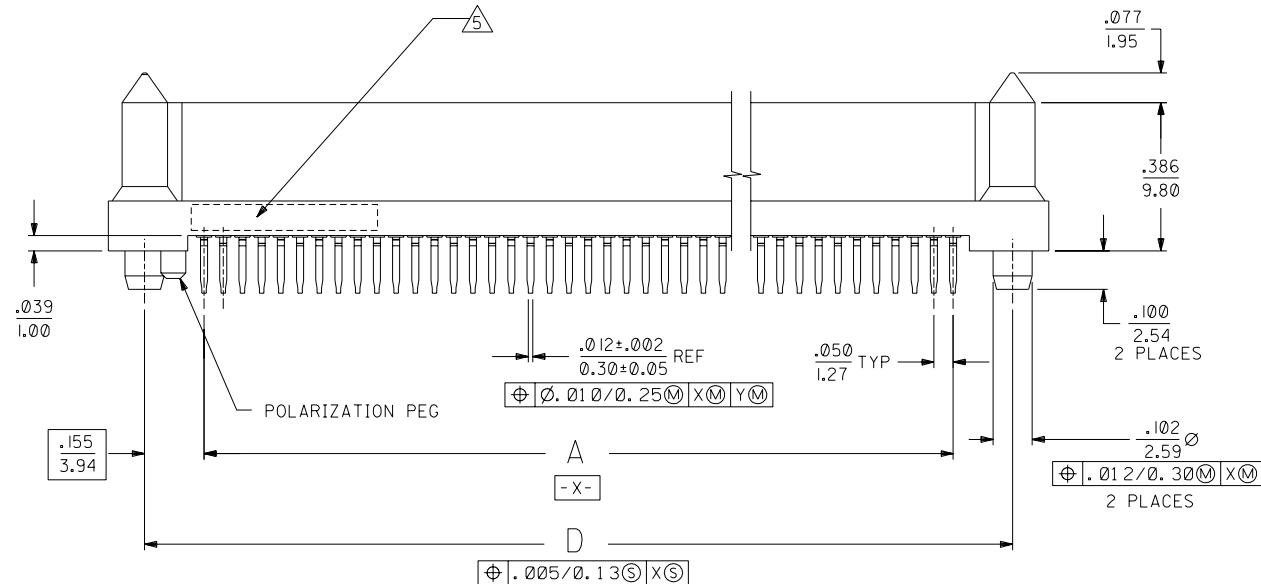
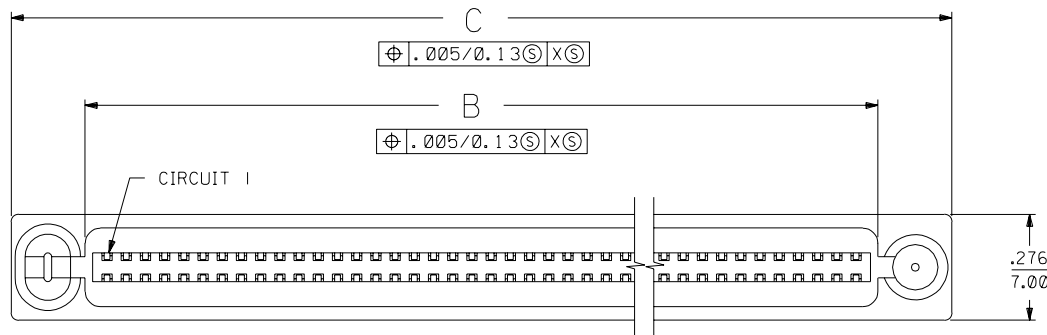
[71660Series](#)

Mates With

[71661](#)

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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.

NOTES:

- 1) MATERIALS:
HOUSING- LCP, GLASS FILLED, 94V-0, BLACK.
TERMINALS- COPPER ALLOY
- 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 UNDERPLATE OVERALL.
- 3) ASSEMBLY MATES WITH MOLEX P/N SDA-71661-7***.
CONFORMS TO PRODUCT SPECIFICATION PS-71660.
- 4) RECOMMENDED P.C. BOARD THICKNESS IS .062/1.6 mm.
- 5) FOUR DIGIT DATE CODE TO BE LOCATED ON SURFACE AS SHOWN.

N	ADD LONG TAIL UCP2004-1302 RWHT 04/07/14
M	LEAD FREE CONV ECN UCP2004-2096 RKADAMS 04/04/29
L	REVISED PER UDT 2000-1231 ACHAMMER 00/06/07
K	REVISED PER ECN U71314 ACHAMMER 97/4/25
J	REVISED PER ECN U70133 ACHAMMER 96/8/19
I	REVISED PER ECN U70090 ACHAMMER 96/7/26
H	REVISED PER ECN U61278 5-2-96 DGA
G	REVISED PER ECN U60641 11-29-95 DRS
F	REVISED PER ECN U60564 11-8-95 RAN
E	REVISED PER ECN U50229 9-23-94 RAN
D	REVISED PER ECN U40590 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 U51832 12-15-93 RAN
I	PRELIMINARY 11-17-93 RAN

DIMENSIONS SHOWN (METRIC) INCH		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°	
3 PLACE	± .005	INCH	METRIC
2 PLACE	± ---	± 0.13	
1 PLACE	± ---	± ---	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
DRWG. BY APP'D. BY	RAN CAB	CHK'D. BY SCALE	RAN 4: 1
SEE TABLE		SDA-71660-7***	
FILE NAME S71660X7 S01		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

TITLE		SALES ASSEMBLY EBBI 50D VERTICAL RCPT BLIND MATE CONNECTOR	
PART NO.		SHEET NO.	
MOLEX INCORPORATED LITSE, ILL. 60532		1 OF 2	
DATE		11/17/93	
MFG. SH. REV. LTR.		REVISE ONLY ON CAD SYSTEM	

