PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:	**0015923080**
Status:	**Active**
Description:	EBBI 50D VT RCPT IDT 80CKT

Documents:
3D Model
Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Series
image - Reference only

Agency Certification
CSA	LR19980
UL	E29179

General
Product Family	IDT and Solder Connectors
Series	71660
Crimp Quality Equipment	Yes
Product Name	EBBI™

Physical
Circuits (Loaded)	80
Circuits (maximum)	1
Color - Resin	Black
Durability (mating cycles max)	2,000
Flammability	94V-0
Gender	Female
Glow-Wire Compliant	No
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	2
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)	100
Plating min: Termination (µm)	2.5
Stackable	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	IDT or Pierce
Wire Size AWG	30

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

Material Info
Old Part Number	MS-71660-3080

Reference - Drawing Numbers
Sales Drawing	SDA-71660-3***
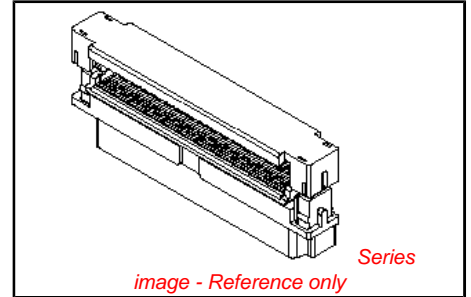
EU RoHS   **China RoHS**
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

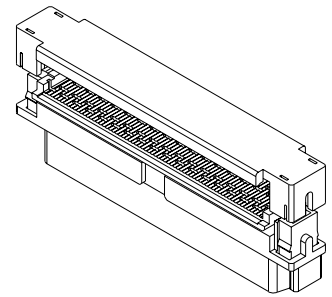Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
71660Series

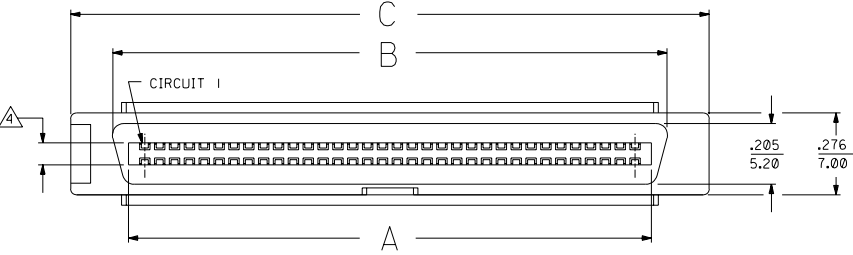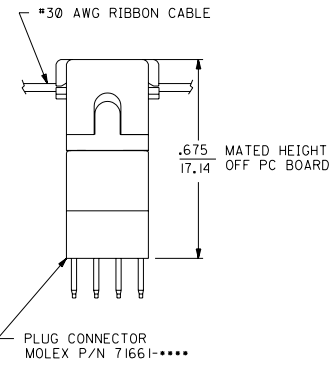**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**
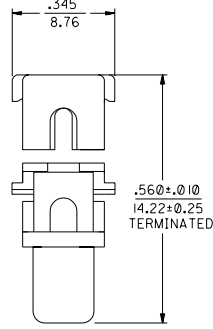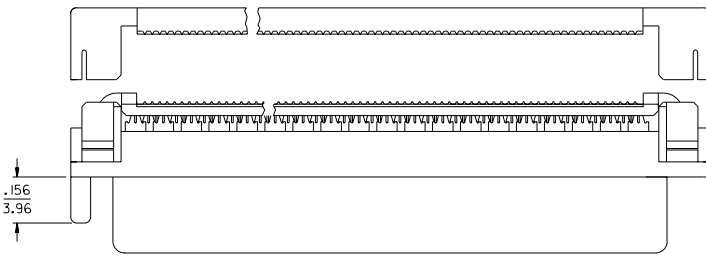
NOTES:
1) MATERIALS:
   HOUSING- LCP, GLASS FILLED, 94V-0, BLACK.
   ALIGNER, TERMINATION COVER- POLYESTER, GLASS FILLED, 94V-0, BLACK.
   TERMINALS- COPPER ALLOY

2) PLATING:
   .000030 INCHES GOLD IN SELECTIVE CONTACT AREA OVER
   .000050-.000100 INCHES NICKEL IN CONTACT AREA.
   .000100-.000200 INCHES TIN IN SOLDER TAIL AREA.

3) ASSEMBLY MATES WITH MOLEX P/N SDA-71661-••••.
   CONFORMS TO PRODUCT SPECIFICATION PS-71660.

4) CONNECTOR WILL ACCEPT MATING TO A P.C. BOARD WITH
   A THICKNESS OF .062±.003.

5) CONNECTOR WILL TERMINATE .025 ₵ FLAT RIBBON CABLE,
   #30 AWG STRANDED OR SOLID, PVC INSULATION.

6) PRODUCT IS SHIPPED AS A KIT. THE HOUSING/ALIGNER SUB-ASSEMBLY
   IS SHIPPED TRAY PACKED. THE TERMINATION COVER IS
   SHIPPED BULK PACKED.

68 CIRCUIT AS SHOWN
SCALE- 2:1

.345
8.76

#30 AWG RIBBON CABLE

.560±.010
14.22±0.25
TERMINATED

.675   MATED HEIGHT
17.14 OFF PC BOARD

.156
3.96

PLUG CONNECTOR
MOLEX P/N 71661-••••

C
B
CIRCUIT 1

.205
5.20

.276
7.00

A

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.

REVISIONS

	REVISED	
J	LEAD FREE CONV. ECR UCP2005-0071 RKADAMS 04/07/11	
I	REVISE IDT GEOMETRY ECN# UDT2002-1013 DMORGAN 02/02/15	
H	REVISED PER UDT 2000-1231 ACHAMMER 00/06/07	
G	REVISED PER ECN U61587 6-19-96 DGA	
F	REVISED PER ECN U60008 7-10-95 RAN	
E	REVISED PER ECN U51108 5-5-95 RAN	
D	REVISED PER ECN U50872 2-28-95 RAN	
C	REVISED PER ECN U50793 2-10-95 RAN	
B	REVISED PER ECN U50158 9-4-94 RAN	
A	REVISED PER ECN U21513 10-27-92 RAN	
I	X-RELEASE PER ECN U21493 10-9-92 RAN	

C	B	A	CKT	EDP NUMBER	ENGINEERING NUMBER
2.445 (62.10)	2.166 (55.02)	2.025 (51.43)	80	015-92-3080	SDA-71660-3080
2.145 (54.48)	1.866 (47.40)	1.725 (43.81)	68	015-92-3068	SDA-71660-3068
1.945 (49.40)	1.666 (42.32)	1.525 (38.74)	60	015-92-3060	SDA-71660-3060
1.695 (43.05)	1.416 (35.97)	1.275 (32.38)	50	015-92-3050	SDA-71660-3050
1.445 (36.70)	1.166 (29.62)	1.025 (26.04)	40	015-92-3040	SDA-71660-3040
1.195 (30.35)	.916 (23.27)	.775 (19.68)	30	015-92-3030	SDA-71660-3030

DIMENSIONS SHOWN (METRIC) INCH

REVISE ONLY ON CAD SYSTEM

UNLESS OTHERWISE SPECIFIED
TOLERANCES ANGULAR ± 1/2°

	INCH	METRIC
3 PLACE	± .005	---
2 PLACE	± .01	± 0.13
1 PLACE	---	± 0.25

DRAFT WHERE APPLICABLE MUST
REMAIN WITHIN DIMENSIONS

TITLE
SALES ASSEMBLY
EBBI VERTICAL IDT
RECEPTACLE CONNECTOR

molex   MOLEX INCORPORATED
LISLE, ILL.   60532   U.S.A.

SHEET NO. 1 OF 1   DATE 8/15/92

PART NO.   SEE TABLE
DRWG. NO. SDA-71660-3***

DRWG. BY RAN   CHK'D. BY CAB
APP'D. BY CAB   SCALE 4:1

FILE NAME S71660X3 S01

DIV. C   SIZE C

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

71660