

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:0716603530

Status:Active

Description:1.27mm (.050") Pitch EBBI™ 50D - Receptacle, Vertical, IDT

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

Crimp Quality Equipment

Product Name

IDT and Solder Connectors

71660

Yes

EBBI™

Physical

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

Flammability

Gender

Glow-Wire Compliant

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

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)

Stackable

Temperature Range - Operating

Termination Interface: Style

Wire Size AWG

30

Natural (White)

2,000

94V-0

Female

No

None

Phosphor Bronze

Gold

Tin

Polyester

2

Tray

0.050 In

1.27 mm

30

0.75

100

2.5

No

-40°C to +105°C

IDT or Pierce

30

Electrical

Current - Maximum per Contact

Voltage - Maximum

1A

30V

Material Info

Reference - Drawing Numbers

Application Specification

Packaging Specification

Product Specification

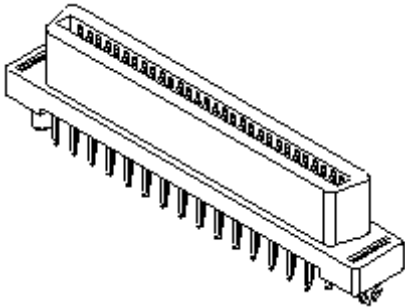
Sales Drawing

AS-71662-001

PK-70873-0403

PS-71660

SDA-71660-35**



Series
image - Reference only

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

Application Tooling | FAQ

Tooling specifications and manuals are
found by selecting the products below.
Crimp Height Specifications are then
contained in the Application Tooling
Specification document.

Global

Description	Product #
IDT - Manual Press	0622004600
IDT - Manual Press	0622005500

This document was generated on 05/24/2010

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NOTES:

1) MATERIALS:

HOUSING- LCP, GLASS FILLED, 94V-0, BLACK.
ALIGNER, TERMINATION COVER- POLYESTER, GLASS FILLED, 94V-0, GREY.
TERMINALS- PHOSPHOR BRONZE ALLOY.

2) FINISH:

SELECTIVE GOLD IN CONTACT AREA
THICKNESS = 30 MICROINCHES / 0.763 MICROMETERS
SELECTIVE TIN IN IDT AREA
THICKNESS = 50 MICROINCHES / 1.27 MICROMETERS
NICKEL UNDERPLATE OVERALL.

3) PRODUCT SPECIFICATION: PS-71660.

ASSEMBLY MATES WITH MOLEX P/N 71661-****.
CONNECTOR WILL ACCEPT MATING TO A P.C. BOARD WITH
A THICKNESS OF .062±.003.

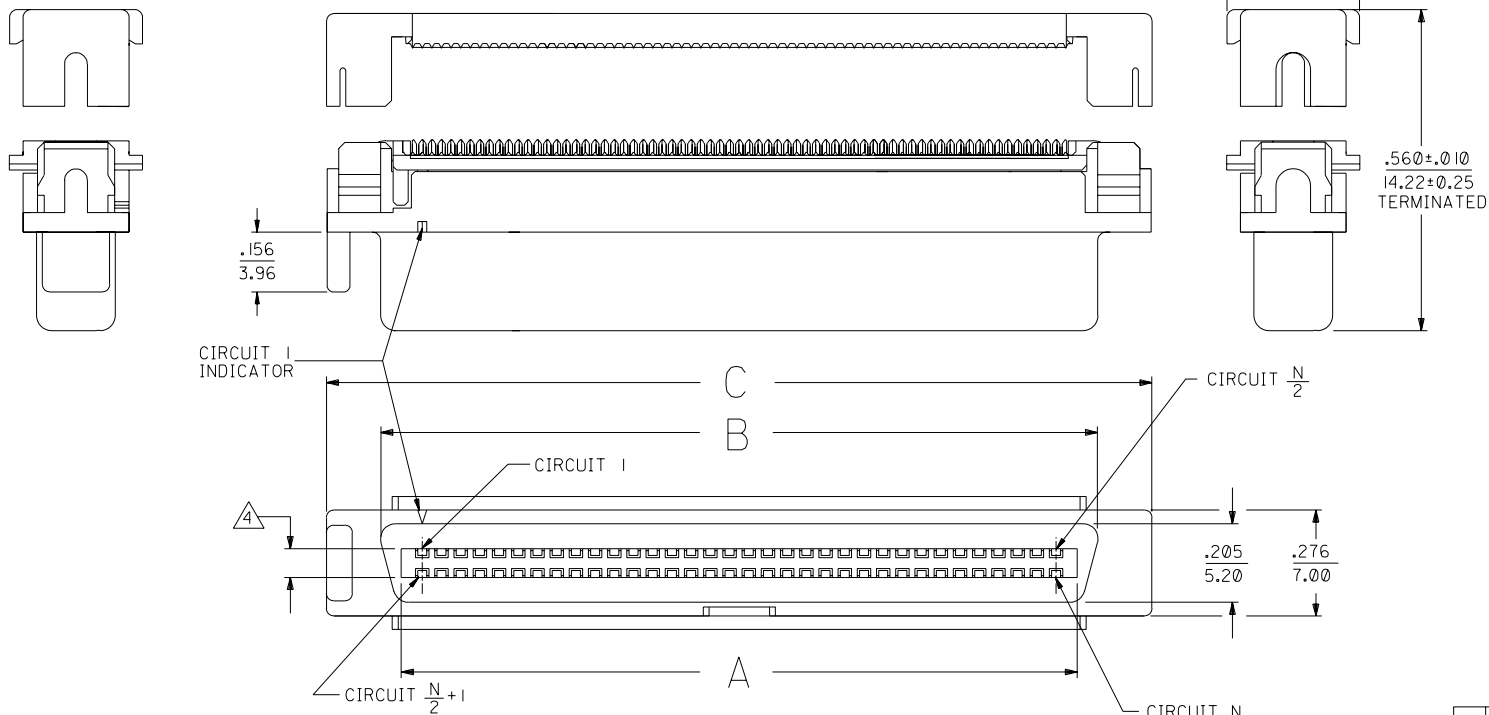
CONNECTOR WILL TERMINATE .025 ⑄ FLAT RIBBON CABLES OF THE FOLLOWING CONSTRUCTION:
#30 AWG STRANDED OR SOLID, PVC INSULATION.
#30 AWG SOLID, FEP INSULATION.

PRODUCT IS SHIPPED AS A KIT. THE HOUSING/ALIGNER SUB-ASSEMBLY
IS SHIPPED TRAY PACKED. THE TERMINATION COVER IS INCLUDED IN BULK PACKAGING.
PER PACKAGING SPECIFICATION PK 70873-0403.

APPLICATION TOOLING: SEE APPLICATION SPECIFICATION AS-71662-000.

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.

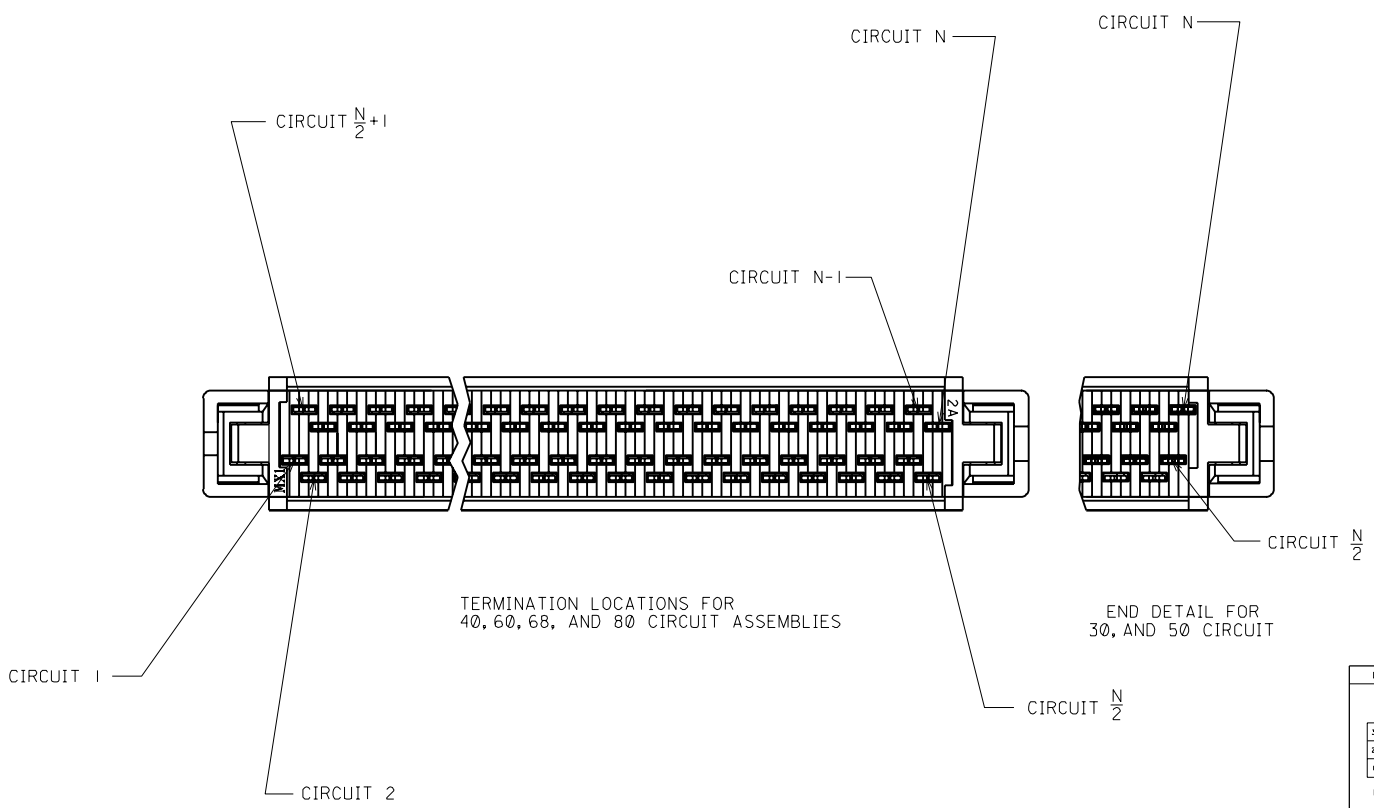
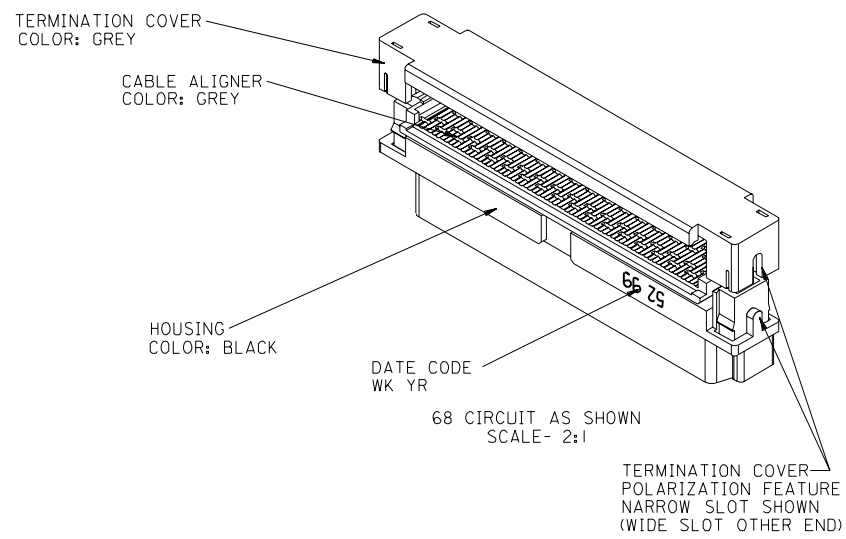
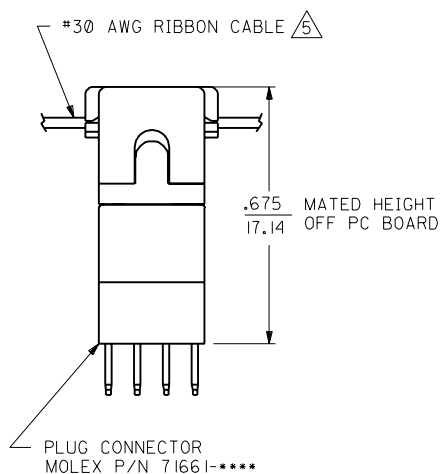


2.445 (62.10)	2.166 (55.02)	2.025 (51.43)	80	71660-3580
2.145 (54.48)	1.866 (47.40)	1.725 (43.81)	68	71660-3568
1.945 (49.40)	1.666 (42.32)	1.525 (38.74)	60	71660-3560
1.695 (43.05)	1.416 (35.97)	1.275 (32.38)	50	71660-3550
1.445 (36.70)	1.166 (29.62)	1.025 (26.04)	40	71660-3540
1.195 (30.35)	.916 (23.27)	.775 (19.68)	30	71660-3530

C	B	A	CKT "N"	MATERIAL NUMBER
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DIMENSIONS SHOWN (METRIC) INCH		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°	
3 PLACE ± .005	INCH	---	METRIC
2 PLACE ± .01	± 0.13	---	± 0.25
1 PLACE ---	± 0.25	---	---
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
DRWG. BY: DGA	CHK'D. BY: DGA	FILE NAME: SEE TABLE	DRWG. NO. SDA-71660-35**
APP'D. BY: MGB	SCALE: 4: 1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

2	A	RELEASE PER U2000-0771 ACHAMMER 00/02/22
1	B	
MFG.	SH.	REV.
LTR.	REVISIONS	



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<table border="1"> <tr> <th></th> <th>INCH</th> <th>METRIC</th> </tr> <tr> <td>3 PLACE</td> <td>$\pm .005$</td> <td>---</td> </tr> <tr> <td>2 PLACE</td> <td>$\pm .01$</td> <td>± 0.13</td> </tr> <tr> <td>1 PLACE</td> <td>---</td> <td>± 0.25</td> </tr> </table>			INCH	METRIC	3 PLACE	$\pm .005$	---	2 PLACE	$\pm .01$	± 0.13	1 PLACE	---	± 0.25	<table border="1"> <tr> <td>DATE</td> <td>00/02/22</td> </tr> <tr> <td>SHEET NO.</td> <td>2</td> </tr> </table>		DATE	00/02/22	SHEET NO.	2
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