

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0687690024](#)
Status: **Active**
Overview: [ieee 1394](#)
Description: IEEE 1394B Bilingual 9-pin-to-6-pin Cable Assembly, 1.0m (3.28') Length

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-68769-001 \(PDF\)](#)

General

| | |
|------------------------|--------------------------------|
| Product Family | Cable Assemblies |
| Series | 68769 |
| Connector to Connector | IEEE 1394b-2002-to-IEEE 1394-1 |
| Overview | ieee 1394 |
| Product Name | IEEE 1394 |

Physical

| | |
|--------------------------|--------------------------|
| Cable Length | 1.0m (3.28') |
| Circuits (Loaded) | 6, 9 |
| Color - Resin | Natural |
| Gender | Male-Male |
| Lock to Mating Part | Yes |
| Material - Resin | Low Density Polyethylene |
| Packaging Type | Bag |
| Single Ended | No |
| Wire Insulation Diameter | N/A |
| Wire Size AWG | N/A |
| Wire/Cable Type | Round |

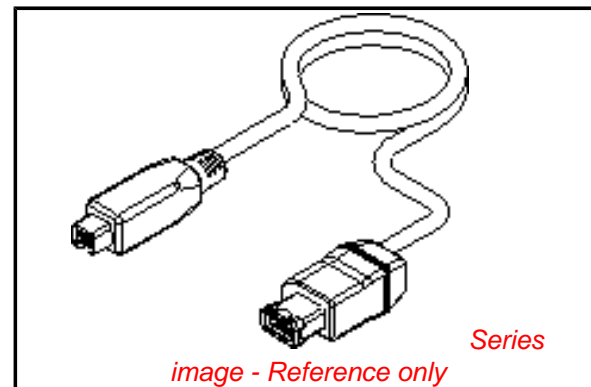
Electrical

| | |
|-------------------------------|----------|
| Current - Maximum per Contact | 1.5A |
| Impedance | 110 ohms |
| Shielded | Yes |
| Voltage - Maximum | 30V |

Material Info

Reference - Drawing Numbers

| | |
|-----------------------|--------------|
| Product Specification | PS-68769-001 |
| Sales Drawing | SD-68769-024 |



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

[68769Series](#)

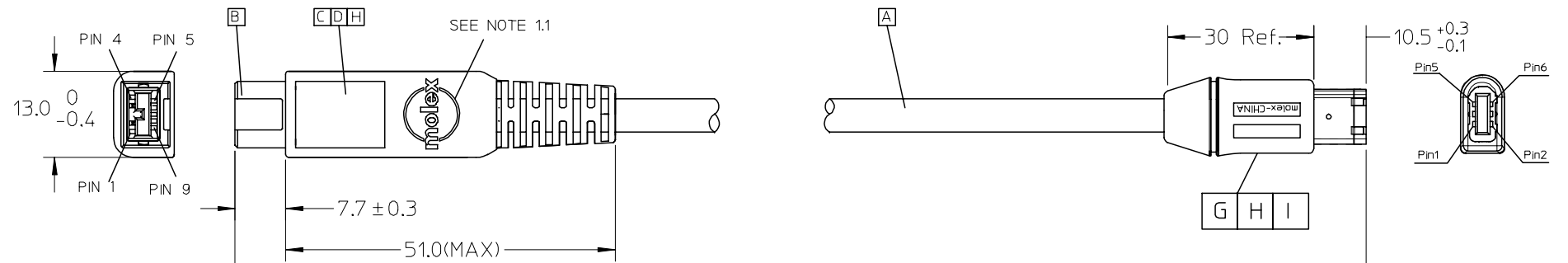
Mates With

[44647](#) IEEE 1394b-2002 Shielded I/O PCB Bilingual Socket. [53462](#) IEEE 1394-1995 Shielded I/O PCB Socket

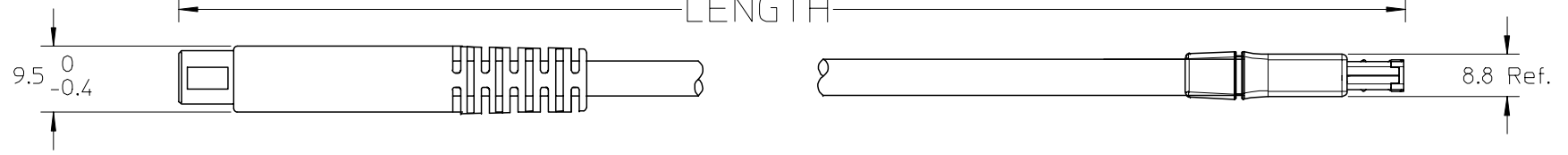
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

7 6 5 4 3 2 1

E



D



C



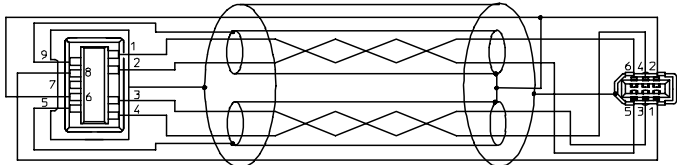
B

A

| | | | | | | | | | | | | | | |
|--|--|------------------|--|-------------------------------|---------------------------------------|---|----------------------------|-------------------------------|--------------------|--|------------------------|--|--|--|
| ENTER DESCRIPTION EC NO: DG2006-0086 DRWN: JFZHENG CHKD: APPR: DQLUO | 2005/10/15 2005/10/17 2006/08/25 | DESCRIPTION 1 | REV | QUALITY SYMBOLS ▽=0 ◻=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE --- | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | | |
| | | | | | | mm | INCH | DRAWN BY JFZHENG | DATE 2005/10/13 | TITLE IEEE1394 9P TO 6P CABLE ASS'Y | | | | |
| | | | | | 4 PLACES | ±--- | ±--- | CHECKED BY JFZHENG | DATE 2005/10/13 | | | | | |
| | | | | | 3 PLACES | ±--- | ±--- | APPROVED BY DQLUO | DATE 2005/10/13 | MOLEX INCORPORATED | | | | |
| | | | | | 2 PLACES | ±--- | ±--- | MATERIAL NO. 6876900-24~26 | | | | | | |
| 1 PLACE | ±--- | ±--- | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SIZE A4 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | |

6 5 4 3 2 1

WIRING DIAGRAM:



MATERIAL LIST:

| ITEM | DESCRIPTION | L | QTY. |
|------|---|---|------|
| H | 1394B SOLDER I/O CONN.172000528 | | 1 |
| G | SHELL COVER 598550600 | | 1 |
| F | SHELL BODY 598560600 | | 1 |
| E | 1394 6P PLUG 528740611 | | 1 |
| D | 1394B REAR SHELL,172000531 | | 1 |
| C | 1394B FRONT SHELL,172000529 | | 1 |
| B | 1394 9PIN BILINGUAL PLUG 172000533 | | 1 |
| A | 2P*28AWG+1C+1,SHLD,PVC,GY,6.0MM,1394 6P,887808447 | | 1 |

PIN OUT TABLE

| Plug1: IEEE1394-1995 6-circuit plug contact number | Signal name at plug 2 end: IEEE Std 1394-1995 cable reference | Plug2: Bilingual plug contact number |
|--|--|--|
| 5 | TPB*(Twisted pair B Minus) (RED) | 1 |
| 6 | TPB(Twisted pair B Plus) (GREEN) | 2 |
| 3 | TPA*(Twisted Pair A minus) (BLUE) | 3 |
| 4 | TPA(Twisted pair A Plus) (Orange) | 4 |
| 2 | TPA(R) Twisted Pair A Ground Rederence) | 5 |
| 2 | VG(Power Ground) | 6 |
| no connection | NO connection | 7(no connection) |
| 1 | Vp(Power Voltage) | 8 |
| 2 | TPB(R)Twisted Pair B Ground Reference) | 9 |
| PLUG SHIELD | Cable Shield Ground | Plug shield |

NOTE:

- 1. 9PIN OVEROLD WITH GREY PVC 887800152.
- 6PIN OVERMOLD WITH GREY PVC 887800153

TABLE A

| MX P/N | DESCRIPTION | LENGTH |
|------------|------------------------------------|---------|
| 68769-0026 | 1394B BILINGUAL 9P TO 6P 4.5M GREY | 4500±40 |
| 68769-0025 | 1394B BILINGUAL 9P TO 6P 2.0M GREY | 2000±25 |
| 68769-0024 | 1394B BILINGUAL 9P TO 6P 1.0M GREY | 1000±25 |

| | | | | | | | | | | | | | |
|--|--|------------------|--|---------------------------------------|--|------------------------------|-----------------------|--------------------|---|------------------------|--|--|--|
| ENTER DESCRIPTION EC NO: DG2006-0086 DRWN: JFZHENG CHKD: APPR: DQLUO | 2005/10/15 2005/10/17 2006/08/25 | DESCRIPTION 1 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE --- | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | | |
| | | | | | mm | INCH | DRAWN BY JFZHENG | DATE 2005/10/13 | TITLE IEEE1394 9P TO 6P CABLE ASS'Y | | | | |
| | | | | 4 PLACES | ±--- | ±--- | CHECKED BY JFZHENG | DATE 2005/10/13 | | | | | |
| | | | | 3 PLACES | ±--- | ±--- | APPROVED BY DQLUO | DATE 2005/10/13 | MOLEX INCORPORATED | | | | |
| 2 PLACES | ±--- | ±--- | ANGULAR ±1/2° | | MATERIAL NO. 6876900-24~26 | DOCUMENT NO. SD-68769-024 | SHEET NO. 2 OF 2 | | | | | | |
| 1 PLACE | ±--- | ±--- | 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 | | | | | | | | |