

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0687690026](#)
Status: **Active**
Overview: [ieee 1394](#)
Description: IEEE 1394B Bilingual 9-pin-to-6-pin Cable Assembly, 4.50m (14.76') 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	4.50m (14.76')
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

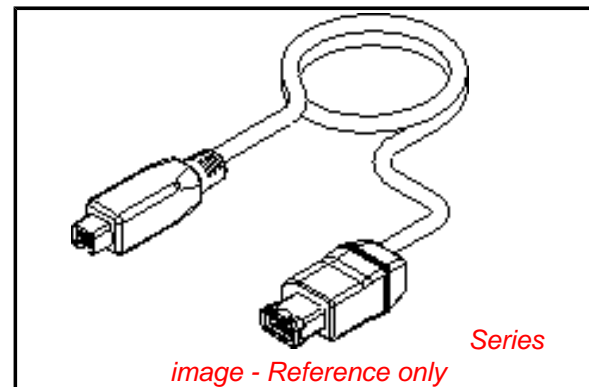
Electrical

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

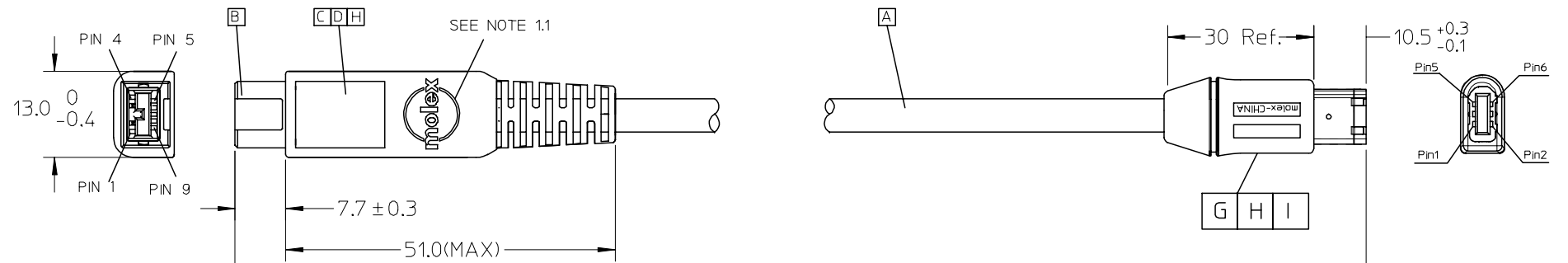
[68769Series](#)

Mates With

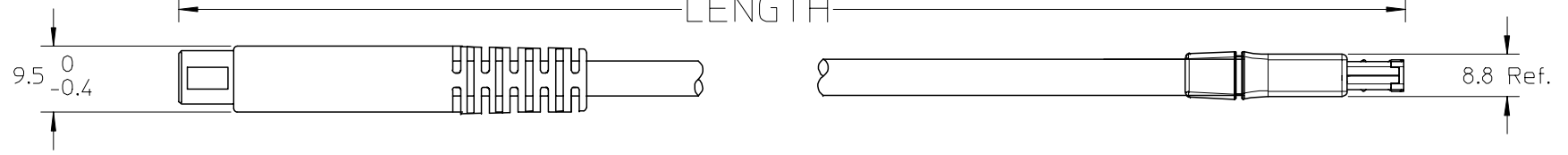
[44647](#) IEEE 1394b-2002 Shielded I/O PCB
 Bilingual Socket. [53462](#) IEEE 1394-1995
 Shielded I/O PCB Socket

7 6 5 4 3 2 1

E



D



C



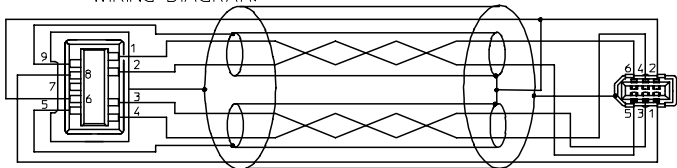
B

A

ENTER DESCRIPTION EC NO: DG2006-0086 DRWN: JFZHENG CHKD: APPR: DQLUO	2005/10/15 2005/10/17 2006/08/25	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO. 6876900-24~26		DOCUMENT NO. SDF68769-0241		SHEET NO. 1 OF 2					

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			
				4 PLACES	±---	±---	DRAWN BY	DATE	TITLE				
				3 PLACES	±---	±---	JFZHENG	2005/10/13	IEEE1394 9P TO 6P CABLE ASS'Y				
				2 PLACES	±---	±---	CHECKED BY	DATE					
1 PLACE	±---	±---	JFZHENG	2005/10/13									
ANGULAR ±1/2°				APPROVED BY	DATE	MOLEX INCORPORATED							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DQLUO	2005/10/13								
				MATERIAL NO.	DOCUMENT NO.	SHEET NO.							
				6876900-24~26	SD-68769-024	2 OF 2							
				SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
				A4									