

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0687840001](#)  
**Status:** **Active**  
**Overview:** [micro\\_usb](#)  
**Description:** USB Shielded I/O Cable Assembly, USB A-to-Micro-USB B, 1.0m (3.28' ) Length, Black, Lead free

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-68784-001 \(PDF\)](#)

**General**

Product Family	Cable Assemblies
Series	<a href="#">68784</a>
Connector to Connector	USB Type A-to-Micro-USB Type B
MolexKits	Yes
Overview	<a href="#">micro_usb</a>
Product Name	Micro-USB, USB

**Physical**

Cable Length	1.0m (3.28' )
Circuits (Loaded)	4, 5
Color - Resin	Black
Gender	Male-Male
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Nickel
Material - Plating Termination	Gold
Material - Resin	PVC
Packaging Type	Bag
Single Ended	No
Waterproof / Dustproof	No
Wire Size AWG	28
Wire/Cable Type	Round

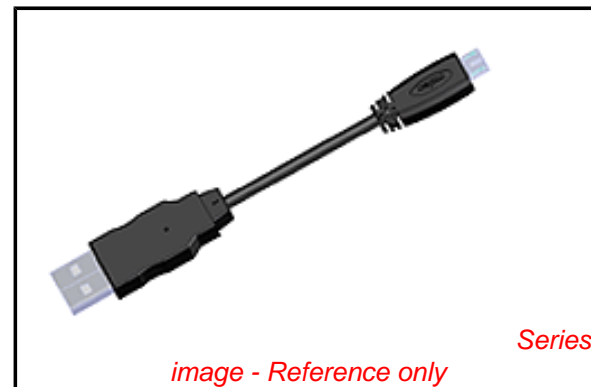
**Electrical**

Current - Maximum per Contact	1.8A, 1A
Impedance	90 ohms
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	30V AC

**Material Info**

**Reference - Drawing Numbers**

Product Specification	PS-68784-001
Sales Drawing	SD-68784-001



**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Halogen-Free  
Status**

**China RoHS**



**Not Reviewed**  
**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto: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**

[68784Series](#)

**Mates With**

Micro-USB B-type Receptacles

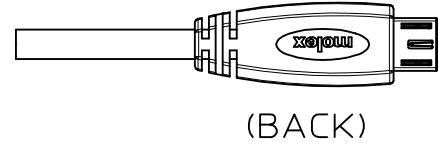
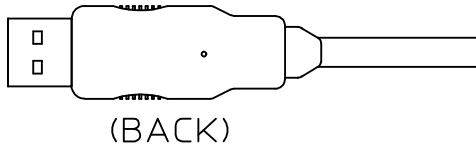
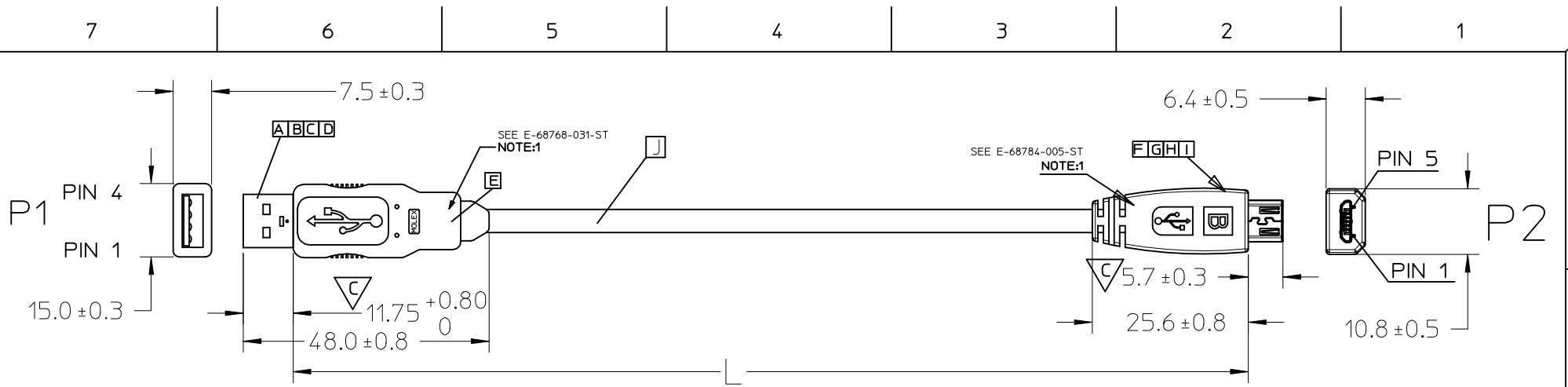


TABLE:

ITEM	MATERIAL NO.	DESCRIPTION	L
1	687840001	USB A TO MICRO B CABLE ASSY	1000±20
2	687840002	USB A TO MICRO B CABLE ASSY	1500±30
3	687840003	USB A TO MICRO B CABLE ASSY	2000±40

SHELL	BRAID WIRE	SHELL	ITEM	DESCRIPTION	L(REF)	QTY.
4	28AWG BLACK	5	J	USB2.0 1P*28AWG+2C*28AWG	L	
3	28AWG GREEN	3	I	COPPER FOIL		1
2	28AWG WHITE	2	H	SHIELD BOTTOM		1
1	28AWG RED	1	G	PLUG SHIELD MICRO B SLIMTYPE		1
P1	Wire Color	P2	F	MICRO_USB PLUG UNIT B TYPE		1
			E	COPPER FOIL		1
			D	TERMINAL (AWG26/28)		4
			C	REAR SHELL		1
			B	FRONT SHELL		1
			A	CRIMP HOUSING		1

- NOTE:  
 1. OVERMOLD SPECIFICATION:  
 OUTER MOLDER WITH PVC RESIN P/N IS 887800019  
 INNER MOLDER WITH PE RESIN P/N IS 887800008  
 2. PRODUCT ELECTRICAL SPECIFICATION:  
 REFER TO ES-003 ELECTRICAL SPECIFICATION FOR DETAILS  
 3. THIS PRODUCT MUST MEET ROHS COMPLIANCE.

ENTER DESCRIPTION  
 EC NO: DG2009-0058  
 DRWN: JTHUANG 2008/09/30  
 CHKD: 2008/10/14  
 APPR: BLAU 2008/10/31  
 REV A

QUALITY SYMBOLS  
 ▼=0  
 ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)  

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±---
2 PLACES	±---	±---
1 PLACE	±---	±---

 ANGULAR ±---°  
 DRAFT WHERE APPLICABLE  
 MUST REMAIN  
 WITHIN DIMENSIONS

DIMENSION STYLE  
 MM ONLY  
 DRAWN BY JTHUANG DATE 08-09-30  
 CHECKED BY BENTZ, LIU DATE 08-09-30  
 APPROVED BY BENTZ, LIU DATE 08-09-30  
 MATERIAL NO. SEE TABLE

SCALE ---  
 DESIGN UNITS METRIC  
 THIRD ANGLE PROJECTION  
 TITLE USB A PLUG TO MICRO B PLUG CABLE ASSY  
 MOLEX INCORPORATED  
 DOCUMENT NO. SD-68784-001 SHEET NO. 1 OF 1  
 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION