

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

**Part Number:** [0887538102](#)  
**Status:** **Active**  
**Overview:** [usb](#)  
**Description:** USB On-The-Go (OTG) Shielded I/O Cable Assembly, Mini A-to-Mini B, USB 2.0, 0.80m (2.62' ) Length, Black

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

|                        |                       |
|------------------------|-----------------------|
| Product Family         | Cable Assemblies      |
| Series                 | <a href="#">88740</a> |
| Connector to Connector | USB Mini-A-to-Mini-B  |
| Overview               | <a href="#">usb</a>   |
| Product Name           | USB                   |

**Physical**

|                                |                |
|--------------------------------|----------------|
| Cable Length                   | 0.80m (2.62' ) |
| Circuits (Loaded)              | 5              |
| Color - Resin                  | Black          |
| Gender                         | Male-Male      |
| Lock to Mating Part            | Yes            |
| Material - Plating Mating      | Gold           |
| Material - Plating Termination | Tin            |
| Material - Resin               | Polyester      |
| Packaging Type                 | Bag            |
| Pitch - Mating Interface (in)  | 0.031 In       |
| Pitch - Mating Interface (mm)  | 0.80 mm        |
| Plating min: Mating (µin)      | 30             |
| Plating min: Mating (µm)       | 0.75           |
| Plating min: Termination (µin) | 160            |
| Plating min: Termination (µm)  | 4              |
| Single Ended                   | No             |
| Termination Interface: Style   | Through Hole   |
| Wire Insulation Diameter       | N/A            |
| Wire Size AWG                  | 28             |
| Wire/Cable Type                | Round          |

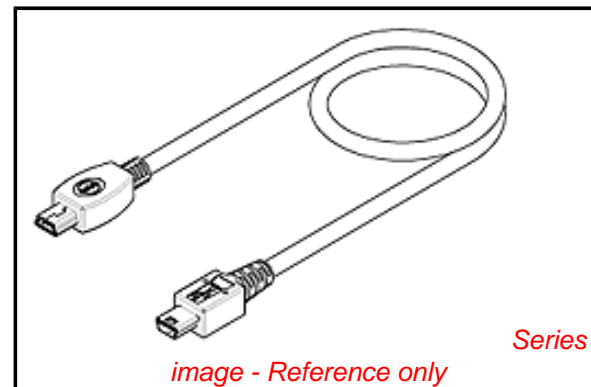
**Electrical**

|                               |     |
|-------------------------------|-----|
| Current - Maximum per Contact | 1A  |
| Shielded                      | Yes |
| Voltage - Maximum             | 30V |

**Material Info**

**Reference - Drawing Numbers**

|               |              |
|---------------|--------------|
| Sales Drawing | SD-887538200 |
|---------------|--------------|



*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](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.

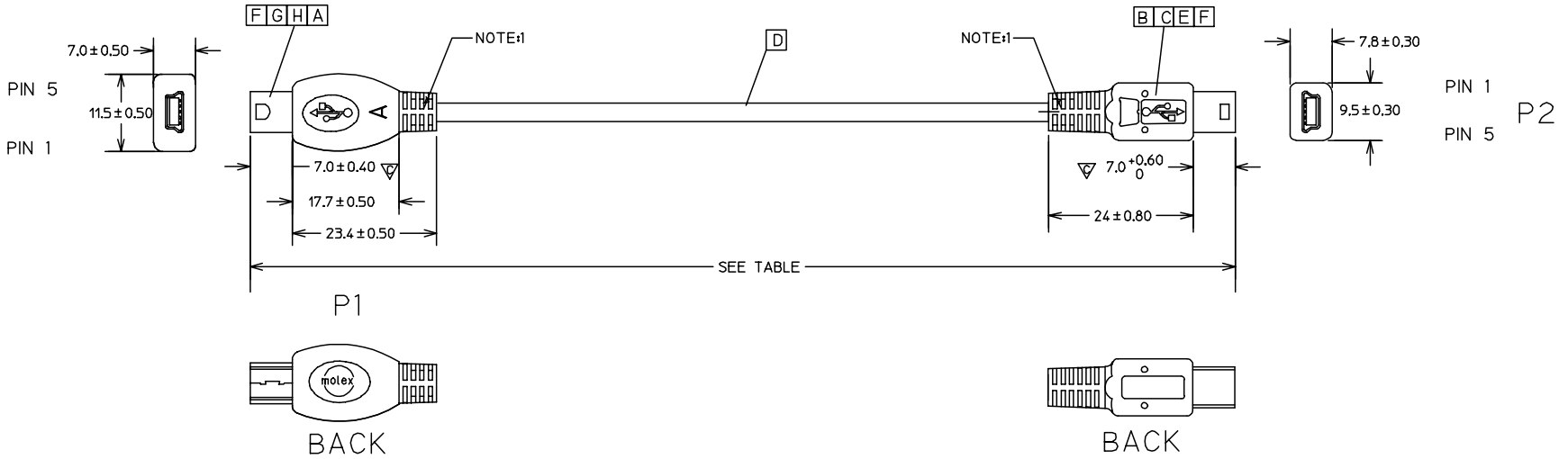
**Search Parts in this Series**

[88740Series](#)

**Mates With**

USB On-The-Go (OTG) Mini-B Receptacle  
[54819](#) , [51387](#) , [48242](#)Link:500075. [56579](#)  
 USB On-The-Go (OTG) Mini-AB Receptacle

7 6 5 4 3 2 1



- NOTE:  
 PHYSICAL  
 1. MOLDED WITH PVC RESIN (SEE TABLE)  
 2. ANY SURFACE ON MINI A SIDE CAN HAVE TEXTURING UP TO 0.3mm ABOVE OR BELOW THE SURFACE,  
 3. A CIRCULAR AREA AROUND THE LETTER 'A' CAN BE RAISED OR LOWERED AS MUCH AS 0.5mm ABOVE THE SURFACE,  
 4. STICK UL LABEL ON EACH CARTON.  
 ■  
 5. ELECTRICAL PERFORMANCE:  
 ALL TEST DUABILITY:0.01 SEC.  
 5.1. DIELECTRONIC STRENGTH:500V DC  
 5.2. INSULATION RESISTANCE:100M OHMS  
 5.3. CONDUCTIVE RESISTANCE:3 OHMS  
 6. ALL COMPONENT MUST MEET RoHS COMPLIANCE.

|   |                                     |           |   |
|---|-------------------------------------|-----------|---|
| H | MINI A PLUG REAR SHELL              | 887899020 | 1 |
| G | MINI A PLUG FRONT SHELL             | 887899019 | 1 |
| F | COPPER FOIL                         | 887801114 | 2 |
| E | USB SERIES MINI-B PLUG COVER SHIELD | 675460000 | 1 |
| D | USB CABLE #28/#24 (SEE TABLE)       |           |   |
| C | USB SERIES MINI-B PLUG SHIELD CASE  | 675450000 | 1 |
| B | MINI-B PLUG                         | 675420008 | 1 |
| A | MINI A PLUG HOUSING                 | 887899018 | 1 |

| SHELL | SHELL | SHIELDING   | BRAID WIRE |
|-------|-------|-------------|------------|
| 4 & 5 | 5     | GROUND      | BLACK      |
| 3     | 3     | +DATA       | GREEN      |
| 2     | 2     | -DATA       | WHITE      |
| 1     | 1     | VCC         | RED        |
| P 1   | P 2   | SIGNAL NAME | WIRE COLOR |

| ITEM | DESCRIPTION | L | QTY. |
|------|-------------|---|------|
|      |             |   |      |

|  |                               |                                       |  |                            |   |                    |  |                        |  |
|--|-------------------------------|---------------------------------------|--|----------------------------|---|--------------------|--|------------------------|--|
| ENTER DESCRIPTION<br>EC NO: DG2006-0150<br>DRWN: JFZHENG<br>CHKD:<br>APPR: DQLUO | QUALITY SYMBOLS<br>▽=0<br>▽=3 | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |   | SCALE<br>---       | DESIGN UNITS<br>METRIC                 | THIRD ANGLE PROJECTION |  |
|  |                               |                                       | mm   | INCH                       | DRAWN BY<br>JFZHENG   | DATE<br>2006/01/06 | TITLE<br>USB MINIA TO MINIB CABLE ASSY |                        |  |
|  |                               | 4 PLACES                              | ±---   | ±---                       | CHECKED BY<br>JFZHENG   | DATE<br>2006/01/06 | MATERIAL NO.<br>8875381-86-00/10/20    |                        |  |
|  |                               | 3 PLACES                              | ±---   | ±---                       | APPROVED BY<br>DQLUO  | DATE<br>2006/01/06 | DOCUMENT NO.<br>SD-887538200           | SHEET NO.<br>1 OF 2    |  |
| 2 PLACES   | ±---                          | ±---                                  | ANGULAR ±1/2°  |                            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |  |                        |  |
| 1 PLACE  | ±---                          | ±---                                  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                            |   |                    |  |                        |  |

7 6 5 4 3 2 1

TABLE

|            |              |                                     |            |            |
|------------|--------------|-------------------------------------|------------|------------|
| 88753-8610 | 2000±30      | USB MINI-A TO MINI-B FROST WHT V1.1 | 88780-8249 | 88780-0043 |
| 88753-8510 | 1800±30      | USB MINI-A TO MINI-B FROST WHT V1.1 | 88780-8249 | 88780-0043 |
| 88753-8410 | 1500±30      | USB MINI-A TO MINI-B FROST WHT V1.1 | 88780-8249 | 88780-0043 |
| 88753-8310 | 1200±30      | USB MINI-A TO MINI-B FROST WHT V1.1 | 88780-8249 | 88780-0043 |
| 88753-8210 | 1000±30      | USB MINI-A TO MINI-B FROST WHT V1.1 | 88780-8249 | 88780-0043 |
| 88753-8110 | 800±30       | USB MINI-A TO MINI-B FROST WHT V1.1 | 88780-8249 | 88780-0043 |
| 88753-8602 | 2000±30      | USB MINI-A TO MINI-B BLACK V2.0     | 88780-8248 | 88780-0019 |
| 88753-8502 | 1800±30      | USB MINI-A TO MINI-B BLACK V2.0     | 88780-8248 | 88780-0019 |
| 88753-8402 | 1500±30      | USB MINI-A TO MINI-B BLACK V2.0     | 88780-8248 | 88780-0019 |
| 88753-8302 | 1200±30      | USB MINI-A TO MINI-B BLACK V2.0     | 88780-8248 | 88780-0019 |
| 88753-8202 | 1000±30      | USB MINI-A TO MINI-B BLACK V2.0     | 88780-8248 | 88780-0019 |
| 88753-8102 | 800±30       | USB MINI-A TO MINI-B BLACK V2.0     | 88780-8248 | 88780-0019 |
| 88753-8600 | 2000±30      | USB MINI-A TO MINI-B FROST WHT V2.0 | 88780-8243 | 88780-0043 |
| 88753-8500 | 1800±30      | USB MINI-A TO MINI-B FROST WHT V2.0 | 88780-8243 | 88780-0043 |
| 88753-8400 | 1500±30      | USB MINI-A TO MINI-B FROST WHT V2.0 | 88780-8243 | 88780-0043 |
| 88753-8300 | 1200±30      | USB MINI-A TO MINI-B FROST WHT V2.0 | 88780-8243 | 88780-0043 |
| 88753-8200 | 1000±30      | USB MINI-A TO MINI-B FROST WHT V2.0 | 88780-8243 | 88780-0043 |
| 88753-8100 | 800±30       | USB MINI-A TO MINI-B FROST WHT V2.0 | 88780-8243 | 88780-0043 |
| MX P/N     | CABLE LENGTH | DESCRIPTION                         | CABLE P/N  | RESIN P/N  |

|  |  |  |   |                              |                            |  |              |                        |                        |  |
|--|--|--|---|------------------------------|----------------------------|--|--------------|------------------------|------------------------|--|
| ENTER DESCRIPTION<br>EC NO: DG2006-0150<br>DRWN: JFZHENG<br>CHKD:<br>APPR: DQLUO | 2006/01/09<br>2006/01/09<br>2006/01/16 | QUALITY SYMBOLS<br>▽=0<br>◻=3                        | GENERAL TOLERANCES (UNLESS SPECIFIED)   |                              | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>--- | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |  |
|  |  |  | mm      INCH  | DRAWN BY<br>JFZHENG          | DATE<br>2006/01/06         | TITLE<br>USB MINIA TO MINIB CABLE ASSY |              |                        |                        |  |
|  |  |  | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± --- ± ---<br>1 PLACE ± --- ± ---                                   | CHECKED BY<br>JFZHENG        | DATE<br>2006/01/06         |  |              |                        |                        |  |
|  |  |  | ANGULAR ±1/2°   | APPROVED BY<br>DQLUO         | DATE<br>2006/01/06         | MOLEX INCORPORATED                     |              |                        |                        |  |
|  |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | MATERIAL NO.<br>8875381-86-00/10/20   | DOCUMENT NO.<br>SD-887538200 | SHEET NO.<br>2 OF 2        |  |              |                        |                        |  |
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