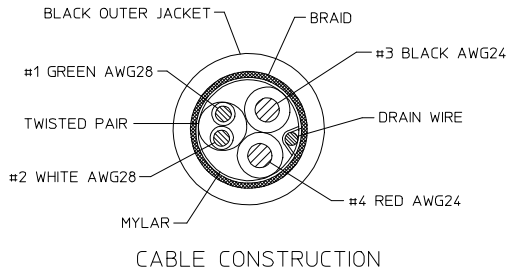
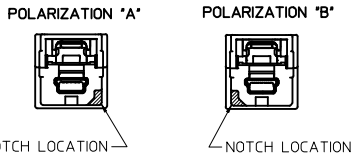


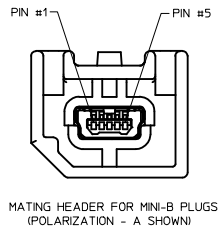
**MINI-B PLUG SUB-ASSY POLARIZATION OPTIONS**



**CABLE CONSTRUCTION**

| MOLEX MATERIAL NO. | MINI-B PLUG POLARIZATION | DIM 'A' (mm) | DIM 'B' (mm) |
|--------------------|--------------------------|--------------|--------------|
| 111015-0100        | A                        | 500±10       | 200          |
| 111015-0101        | B                        | 500±10       | 200          |
| 111015-0200        | A                        | 1000±10      | 200          |
| 111015-0201        | B                        | 1000±10      | 200          |
| 111015-0300        | A                        | 1500±10      | 200          |
| 111015-0301        | B                        | 1500±10      | 200          |
| 111015-0102        | A                        | 300±10       | 25           |

②



MATING HEADER FOR MINI-B PLUGS (POLARIZATION - A SHOWN)

CUSTOMER P/N  
 |||  
 MOLEX P/N REV YYYMMDDX  
 Made in China  
**MOLEX LOGO**  
 MOLEX P/N REV YYYMMDDX  
 |||  
 CUSTOMER P/N

**LABEL FORMAT**  
 LAST LETTER OF DATE CODE 'X':  
 'D' = DAY SHIFT, 'N' = NIGHT SHIFT  
 BAR CODE = MOLEX MATERIAL NUMBER  
 KEEP CUSTOMER P/N IN BLANK IF NOT AVAILABLE

**WIRING DIAGRAM**

| SIGNAL NAME | CONTACT # | MINI-B PLUG (HOST)         | STD-A RECEPTACLE (TARGET) | CONTACT # | SIGNAL NAME |
|-------------|-----------|----------------------------|---------------------------|-----------|-------------|
|             |           | WIRE COLORS                | WIRE COLORS               |           |             |
| VBUS        | 1         | RED                        | RED                       | 1         | VBUS        |
| D-          | 2         | WHITE                      | WHITE                     | 2         | D-          |
| D+          | 3         | GREEN                      | GREEN                     | 3         | D+          |
| NO CONNECT  | 4         | NO CONNECT                 | N/A                       |           | N/A         |
| GND         | 5         | BLACK                      | BLACK                     | 4         | GND         |
| CABLE BRAID | SHELL     | BRAID TO SHELL TERMINATION |                           | SHELL     | CABLE BRAID |

**NOTES:**

- PART MUST CONFORM TO THE ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) VER 13, DATED 06-APR-06, TEMP CLASS \*-40-85°C.
- PART MUST CONFORM TO THE LATEST LEVEL OF SAE/USCAR-30 & USB 2.0.
- ALL PLASTIC PARTS MUST HAVE MATERIAL IDENTIFICATION SYMBOLS CLEARLY MARKED, WHEREVER PACKAGE SIZE PERMITS.
- GENERAL TOLERANCES: ±0.25 ALL ONE PLACE DIMENSIONS, ±0.15 ALL TWO PLACE DIMENSIONS, AND ±0.5° ALL ANGULAR DIMENSIONS.
- 0.3MM MAXIMUM RADIUS PERMISSIBLE ON EDGES AND FILLETS SHOWN AS SHARP FOR PLASTIC PARTS.
- PARTS ARE TO BE FREE OF SCRATCHES, DISCOLORATION, SALT RESIDUE OR OTHER IMPERFECTIONS THAT MAY AFFECT FUNCTION OR FIT OF PART.
- IDENTIFICATION LABEL MUST DISPLAY CUSTOMER PART NUMBER IF REQUIRED, SUPPLIER PART NUMBER, DATE CODE (YYYYMMDD), REVISION AND LOGO.
- MATING CONNECTORS: MINI-B INLINE 111005 SERIES.
- LEAD FREE, NO RoHS EXEMPTIONS.
- FINISHES: TERMINAL: SELECTIVE GOLD (Au) IN THE CONTACT AREA; THICKNESS = 0.75 MICROMETER (30 MICROINCH) MINIMUM OVER NICKEL (Ni) OVERALL; THICKNESS = 1.25 MICROMETER (50 MICROINCH) MINIMUM.

|   |                                      |  |                                      |  |                                       |                                  |
|---|--------------------------------------|--|--------------------------------------|--|---------------------------------------|----------------------------------|
| ADDED COLUMN<br>EC NO: CPG2015-3480<br>DRAWN/HSJ01 2014/10/31<br>CHKD/KL IN02 2014/10/31<br>APPROV/YL ONG01 2015/01/08<br>DESCRIPTION | QUALITY SYMBOLS<br>∇=0<br>∇=0<br>∇=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ±--- ±---<br>3 PLACES ±--- ±---<br>2 PLACES ±0.13 ±---<br>1 PLACE ±0.25 ±---<br>0 PLACE ±--- ±--- | DIMENSION STYLE<br><b>MM ONLY</b>    | SCALE<br><b>2:1</b>                    | DESIGN UNITS<br><b>METRIC</b>         | THIRD ANGLE PROJECTION           |
|   |                                      | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   | DRAWN BY DATE<br>J.REEVES 2007/09/11 | CHECKED BY DATE<br>J.REEVES 2007/09/11 | APPROVED BY DATE<br>MONROE 2010/03/16 | MATERIAL NO.<br><b>SEE CHART</b> |

**USB CABLE ASSEMBLY  
 MINI-B PLUG TO  
 SHROUDED STD-A RECEPT**

**molex**