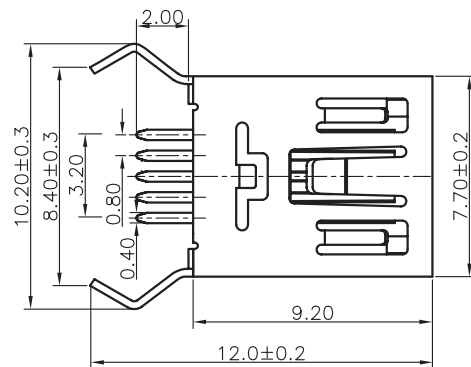


PCB LAYOUT  
COMPONENT VIEW

## TECHNICAL CHARACTERISTICS

**MATERIAL**  
INSULATOR: PBT  
FLAMABILITY RATING: UL94-V0  
COLOR: BLACK  
CONTACT MATERIAL: COPPER ALLOYS  
CONTACT TYPE: STAMPED  
CONTACT PLATING: SELECTIVE GOLD  
SHIELDING: BRASS WITH Ni PLATING  
QUALITY CLASS: 1500 MATING CYCLES

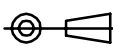
**ENVIRONMENTAL**  
OPERATING TEMPERATURE: -40 UP TO 105°C  
COMPLIANCE: LEAD FREE AND ROHS

**ELECTRICAL**  
CURRENT RATING:  
- PIN 1 & PIN 4 (Vbus & corresponding ground PIN) 1.8A Max  
- OTHER PINS 0.25 A max  
WORKING VOLTAGE: 30V AC  
INSULATOR RESISTANCE: >1000 MOHM  
DIELECTRIC WITHSTANDING VOLTAGE: 750V AC/MN  
CONTACT RESISTANCE: 20 mOHM MAX

**SOLDERING**  
WAVE PROCESS ONLY

**PACKAGING**  
TRAY

## RoHS Compliant

|     |           |                |    |                                                                                                                       |                                                                                |                                                                                                                              |  |      |
|-----|-----------|----------------|----|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--|------|
| G   | 22-JUN-11 | CURRENT RATING | GG | <div>PROJECTION:</div> <div></div> | <div>GENERAL TOLERANCE</div> <div>.X = +/_ 0.2</div> <div>.XX = +/_ 0.15</div> | <div></div> <div>WÜRTH ELEKTRONIK</div> |  |      |
| F   | 25-JUN-09 | LAYOUT PINNING | CH |                                                                                                                       |                                                                                |                                                                                                                              |  |      |
| E   | 25-FEB-09 | PCB LAYOUT     | JP |                                                                                                                       |                                                                                |                                                                                                                              |  |      |
| D   | 27-NOV-08 | PINNING        | JP |                                                                                                                       |                                                                                |                                                                                                                              |  |      |
| C   | 05-DEC-07 | MODIFICATIONS  | CH | APPROVAL: RJ                                                                                                          | UNIT: MM                                                                       | DESCRIPTION: VERTICAL MINI USB TYPE B 5 CONTACTS                                                                             |  | SIZE |
| B   | 24-MAY-07 | PDF            | JP |                                                                                                                       | SCALE:                                                                         |                                                                                                                              |  |      |
| A   | 25-APR-06 | DRAW           | W  |                                                                                                                       | SHEET: 1/1                                                                     | WERI PART NO: 651 005 136 421                                                                                                |  |      |
| REV | DATE      | FILE           | BY |                                                                                                                       | DRAW: WENDY                                                                    |                                                                                                                              |  |      |