



- NOTES:
- Electrical Characteristics:  
 Contact Current Rating: 1 Amperes.  
 Dielectric Withstanding Voltage: AC 750V r.m.s  
 Insulation Resistance: 100M Ohms Min.  
 Contact Resistance: 50m Ohms Max.
  - Mechanical Characteristics:  
 Contact Insertion Force: 3.57Kgf Maximum.  
 Contact Separation Force: 1.02Kg Minimum.
  - Environmental:  
 Operating Temperature: -50°C~+85°C.
  - Material:  
 Insulator: Hi-Temp Plastic UL 94V-0.  
 Contact: Copper Alloy (t=0.25mm)  
 Shell: K5 (t=0.40mm)
  - RoHS Compliant

ORDER INFORMATION  
 NUBR - 20 05 - X X X 3 X 1C  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- CONNECTOR:  
 NUBR: MINI USB B TYPE R/A CONNECTOR
- TYPE:  
 20: FEMALE, SMT TYPE
- POSITIONS:  
 05: 5 POSITIONS
- INSULATOR MATERIAL  
 B: LCP  
 F: PA9T
- INSULATOR COLOR  
 K: BLACK  
 W: WHITE
- CONTACT PLATING  
 1: GOLD 1u"  
 2: GOLD 3u"  
 3: GOLD 5u"  
 5: GOLD 15u"  
 6: GOLD 30u"  
 9: ALL GOLD 1u"
- SHIELD PLATING  
 3: NICKEL PLATING
- PACKING  
 T: TRAY

PCB LAYOUT (TOL: ±0.05)  
 TOP VIEW

| TOLERANCE |        |
|-----------|--------|
| LINEAR    | ANGLES |
| X. ±      | X° ±   |



TITLE: MINI USB B TYPE SMT  
 PART NO. NUBR-2005-XXX3X1C

|      |                |       |           |             |           |             |         |         |             |       |        |     |
|------|----------------|-------|-----------|-------------|-----------|-------------|---------|---------|-------------|-------|--------|-----|
| [B]  | REVISE DRAWING | Vegas | 06/17/09' | .X ± 0.38   | .X° ±3°   | APPD:       | MAT'L:  | DWG NO. | GTI09-25052 |       |        |     |
| [A]  | ISSUED         | Vegas | 04/29/09' | .XX ± 0.25  | .XX° ±3°  | CHKD:       | FINISH: |         | UNITS       | SCALE | SHEET  | REV |
| REV. | ECN NO.        | NAME  | DATE      | .XXX ± 0.10 | .XXX° ±3° | DRWN: Vegas | Q'TY:   |         | MM          | NONE  | 1 OF 1 | B   |