

RoHS compliant

| REV | DATE | MODIFICATION | APPROVER |
|-----|------------|--------------|----------|
| A0 | 2022.07.18 | NEW | JABK |
| A1 | 2022.09.07 | 调整插拔力 | JABK |

Technical drawing of a 4P Medical Treatment Connector. The drawing includes front, side, and cross-sectional views with various dimensions and callouts. Key dimensions include: 16.00, 12.00, 6.25^{+0.10}/_{-0.00}, 0.75^{+0.10}/_{-0.00}, 12.80, 8.00^{±0.10}, 0.90, 3.00, 1.50, 4.50^{±0.10}, 1.50, 0.20, 9.00, 11.00, 13.54, 0.50^{±0.05}, 1.25^{±0.05}, 3.75^{±0.05}, 4-φ0.70, 1.00^{±0.10}, 5.00, 2.50, 9.00^{±0.10}, 1.00, 1.14, 8.00, 1.45, 1.00, 9.00, 2.75, 0.80, 1.25, 3.75, 8.20 (试条插入深度), 6.20, 0.05^{+0.08}/_{-0.00}, 0.05.

- Material:
 - Insulator: Termoplastic, UL94V-0,color:black.
 - Terminal: Phosphor Bronze,
 - Solder tab:STAINLESS SHELL T=0.2mm.
- Plating of Contact
 - Terminal: Au plated on the contact area, Sn plated on soldering area.
 - solder tab: Sn plated on soldering area.
- Mechanical performance
 - Mating Cycles: 27000 cycles
- Electrical performance:
 - Rating current: 0.3A Max.
 - Insulation resistance: 500MΩ Min. at 500 V DC.
 - Terminal contact resistance: 50mΩ Max.
 - Withstanding voltage: 500V AC at 1mA Max. for 1 minute.
- Environment performance.
 - Operating temperature: -20℃~ +70℃
 - Storage temperature: -40℃~ +85

| GENERAL TOLERANCE | | | | UNITS | NAME: | ATOM [®] 深圳市爱特姆科技有限公司 SHENZHEN ATOM TECHNOLOGY CO.,LTD. | | |
|-------------------|-----|-------|-------|-------|--------------------------------|---|--|--|
| SELECT | ✓ | | | mm | 4P MEDICAL TREATMENT CONNECTOR | TITLE: CUSTOMER DRAWING FOR 4P MEDICAL TREATMENT CONNECTOR | | |
| DN. | TOL | 1 | 2 | | PART NO: | DWG NO. ATOM-A07168 | | |
| X.XXX | | ±0.10 | ±0.05 | ±0.15 | GP18C-06200 | SCALE SHEET REV | | |
| X.XX | | ±0.15 | ±0.13 | ±0.25 | FINISH | 1:1 1/1 A1 | | |
| X.X | | ±0.20 | ±0.25 | ±0.5 | Q'TY | | | |
| X. | | ±0.30 | ±0.36 | ±1.00 | DR: | | | |
| ANGLE | | ±2° | | | ming2022.09.07 | | | |