

| REVISION DATA |             |            |
|---------------|-------------|------------|
| REV           | DESCRIPTION | DATE       |
| A0            | NEW DRAWING | 2015-08-18 |

Material:

Contact Material: Brass/Phosphor Bronze  
Contact plating: Au or Sn Over30-50u" Ni  
Insulator Material: Black Polyester UL94V-0  
Standard: PA6T/PA9T/LCP + 30%G.F

**Electrical:**

Current rating: 3.0Amps/contact max.  
Contact resistance:  $\leq 20\text{m}\Omega/\text{contact}$   
Insulation resistance:  $\geq 1000\text{M}\Omega$  at  $V=100\text{V}$   
Withstanding Voltage: 1000V AC/minute

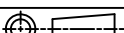
**Mechanical:**

Operating temperature: -40°C to +105°C  
Reflow soldering temperature: 260±5°C, 10s

|           |         |
|-----------|---------|
| PROJECT   | PW (mm) |
| Standard  | 6.2     |
| Specified | 6.0/6.5 |

## P.C.B LAYOUT

| FD10                                   | 2XX1                       | S                        | XX                                                                                                                                                                 | X                                                | X                                               | B                          | X                                                | X                                                                                                                           | S01                       |
|----------------------------------------|----------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------|----------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Product Descriptions<br>FD10 H4.3 W4.5 | No. of Positions<br>02-40P | Angle Type<br>S SMT Type | Contact Plated<br>SN Tin120u"<br>MT 无锡120u"<br>GF Gold 0.8u"<br>G1 Au1u"<br>G3 Au3u"<br>G4 Au5u"<br>G6 Au10u"<br>G7 Au15u"<br>G8 Au30u"<br>GA Au1.5u"<br>S1 半金锡1u" | Contact Material<br>B Brass<br>P Phosphor Bronze | Insulator Material<br>C PA6T<br>E PA9T<br>F LCP | Insulator Color<br>B Black | Insulator Feature<br>N Without Peg<br>W With Peg | Packing Options<br>B Tray<br>C PVC Box<br>D Tube<br>E Tube+CAP<br>F Tape Reel<br>G Reel+CAP<br>H Tube+Mylar<br>I Reel+Mylar | Series No.<br>S01 PW6.2mm |

|                                                                                                                                              |            |                                                                                       |                                                |          |
|----------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------|------------------------------------------------|----------|
| <div> <div>GSAMTEK<sup>®</sup></div> <div> <div>东莞市广溯电子科技有限公司</div> <div>DONGGUAN GUANG SU ELECTRONIC TECHNOLOGY CO.,LTD</div> </div> </div> |            |                                                                                       |                                                |          |
| TOLERANCE<br><br>ANGLE     ±5°<br><br>X.XXX    ±0.10<br><br>X.XX     ±0.20<br><br>X.X      ±0.30<br><br>X.        ±0.50                      | PROJECTON  |  | TITLE:<br>双排SMT排母 PH2.0 H4.3 W4.5 U型 PW6.2带CAP |          |
|                                                                                                                                              | DATE :     | 2015-08-18                                                                            |                                                |          |
|                                                                                                                                              | DRAWN :    | SAMTEK                                                                                | PART NO. FD102XX1SXXXXBXXS01                   |          |
|                                                                                                                                              | CHECKED :  |                                                                                       | DRAWING NO.                                    |          |
|                                                                                                                                              | APPROVED : |                                                                                       | REV: A0                                        | UNIT: mm |
|                                                                                                                                              |            |                                                                                       |                                                | SIZE: A4 |

