

**PCB Sockets****PCB Mount, Dual Beam Box Type Contact  
Dual Rows, 2.0mm Pitch****Product Specification:****Materials and Finish**

**Insulator:** Glass-reinforce thermoplastic, UL-94V-0 rated, color-black, resist to short term temperature in infra-red reflow phase - 260°C for 20 seconds. (See page 9 "Reflow Conditions" for detailed information)

**Contact:** Phosphor Bronze per QQ-B-750, plated full flash gold, full 100μ" tin/lead or selected gold in mating area; 100μ" min. tin-lead on termination area, with entire contact under-plated 50μ" min. nickel

**Electrical**

**Contact Resistance:** 30 milliohms max. at 1 ampere DC

**Insulation Resistance:** 1000 megohms at 500 VDC

**Dielectric Withstanding Voltage:** 500 VAC/rms 60Hz for one minute

**Current Rating:** 1 ampere per contact

**Voltage Rating:** 250 VAC/rms 60Hz

**Mechanical**

**Insertion Force:** 200 grams maximum per contact

**Withdrawal Force:** 60 grams minimum per contact

**Contact Retention:** 2.0 kgs minimum per contact

**Durability:** See page 9

**Related Product Data**

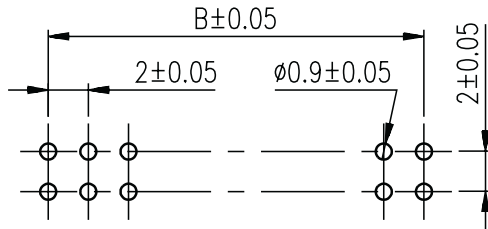
**PC Board Layout:** See page 79

**Ordering Information:**

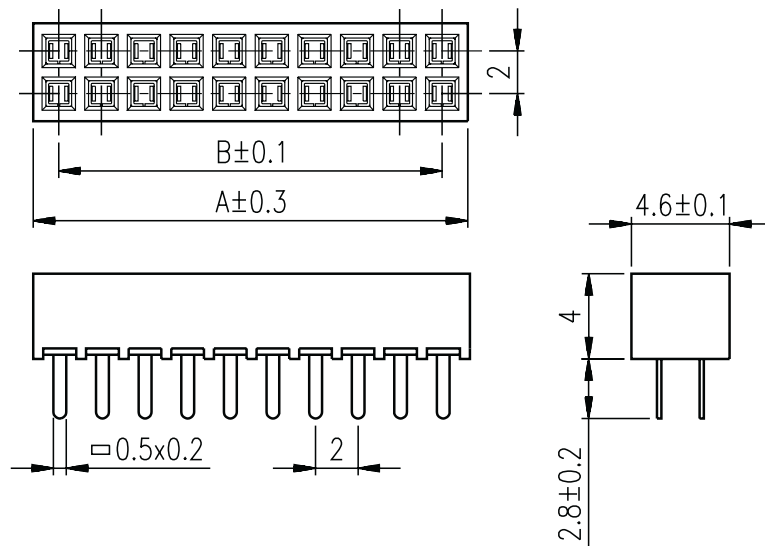
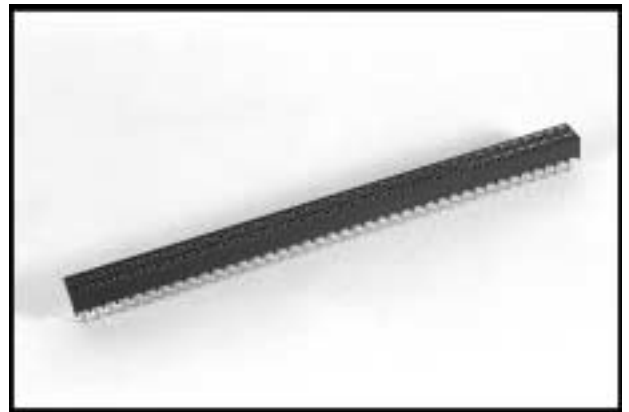
|                                                                                                        | <b>G827A</b> | <b>X</b> | <b>X</b> | <b>X</b> | <b>X</b> |
|--------------------------------------------------------------------------------------------------------|--------------|----------|----------|----------|----------|
| <b>PCB Socket<br/>PCB Mount<br/>Dual Rows<br/>Close Bottom<br/>2.0mm Pitch</b>                         |              |          |          |          |          |
| <b>Number of Positions</b><br>Dual Rows: 06 to 80 positions                                            |              |          |          |          |          |
| <b>Contact Finish</b><br>0: Full flash gold<br>1: Flash gold<br>2: 10μ" gold<br>3: 30μ" gold<br>4: Tin |              |          |          |          |          |
| <b>Variation Code</b><br>Blank: Standard                                                               |              |          |          |          |          |

### PCB Sockets

PCB Mount, Dual Beam Box Type Contact  
Dual Rows, 2.0mm Pitch



Recommended PCB Layout



| No. of Positions | Dimensions (mm) |    | No. of Positions | Dimensions (mm) |    | No. of Positions | Dimensions (mm) |    |
|------------------|-----------------|----|------------------|-----------------|----|------------------|-----------------|----|
|                  | A               | B  |                  | A               | B  |                  | A               | B  |
| 6                | 6.5             | 4  | 32               | 32.5            | 30 | 58               | 58.5            | 56 |
| 8                | 8.5             | 6  | 34               | 34.5            | 32 | 60               | 60.5            | 58 |
| 10               | 10.5            | 8  | 36               | 36.5            | 34 | 62               | 62.5            | 60 |
| 12               | 12.5            | 10 | 38               | 38.5            | 36 | 64               | 64.5            | 62 |
| 14               | 14.5            | 12 | 40               | 40.5            | 38 | 66               | 66.5            | 64 |
| 16               | 16.5            | 14 | 42               | 42.5            | 40 | 68               | 68.5            | 66 |
| 18               | 18.5            | 16 | 44               | 44.5            | 42 | 70               | 70.5            | 68 |
| 20               | 20.5            | 18 | 46               | 46.5            | 44 | 72               | 72.5            | 70 |
| 22               | 22.5            | 20 | 48               | 48.5            | 46 | 74               | 74.5            | 72 |
| 24               | 24.5            | 22 | 50               | 50.5            | 48 | 76               | 76.5            | 74 |
| 26               | 26.5            | 24 | 52               | 52.5            | 50 | 78               | 78.5            | 76 |
| 28               | 28.5            | 26 | 54               | 54.5            | 52 | 80               | 80.5            | 78 |
| 30               | 30.5            | 28 | 56               | 56.5            | 54 |                  |                 |    |