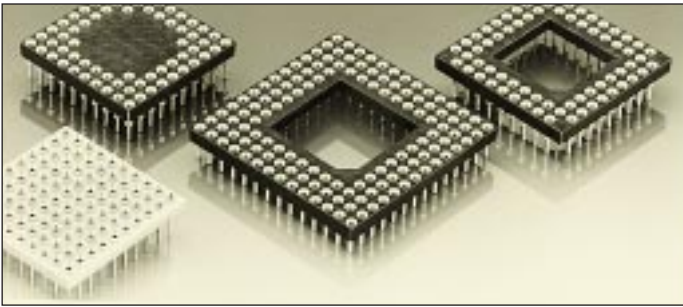


## Series 510 / 511 / 515




### Pin grid array sockets Solder tail



#### Pin grid array sockets, standard solder version

PGA sockets are high density connecting devices equipped with machined precision contacts with soft contact clips assuring low insertion/withdrawal forces. Over 200 standard pinouts are available; inquiries for custom varieties are welcome

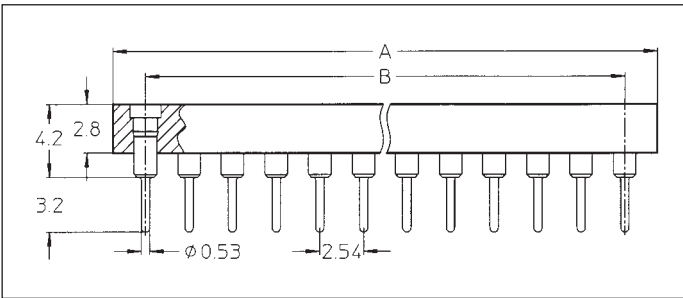
Insertion characteristics: 6-finger low, very low or ultra low force

| Platings | Sleeve  | Clip  | Pin  |
|----------|--|--|---|
| 13       | 0.25 µm Au   | 0.75 µm Au   |   |
| 91       | 5.0 µm Sn  | 0.25 µm Au   |   |
| 93       | 5.0 µm Sn  | 0.75 µm Au   |   |
| 97       | 5.0 µm Sn  | Goldflash  |   |
| 99       | 5.0 µm Sn  | 5.0 µm Sn  |   |

#### Ordering information

Replace **xxx-xx-xxx** with the number of poles, body size and layout numbers as indicated on pages 88 to 92. For example, a 12x12 pin configuration with window and 108 standard soldering contacts as shown on page 88 becomes: 510-93-**108-12-051**-001

Machined epoxy insulator for extra sturdiness and low profile applications; solder and wire-wrap terminations only; please consult for availability and specifications



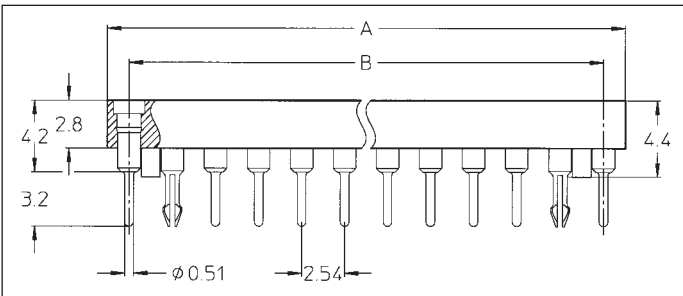
- 510-13-xxx-xx-xxx-001 **B**
- 510-91-xxx-xx-xxx-001
- 510-93-xxx-xx-xxx-001
- 510-97-xxx-xx-xxx-001
- 510-99-xxx-xx-xxx-001

- 510-93Bxxx-xx-xxx-001 **B**
- 510-97Bxxx-xx-xxx-001 **B**
- 510-93Cxxx-xx-xxx-001 **B**
- 510-97Cxxx-xx-xxx-001 **B**

PGA sockets with standard solder tails, length 3.2 mm

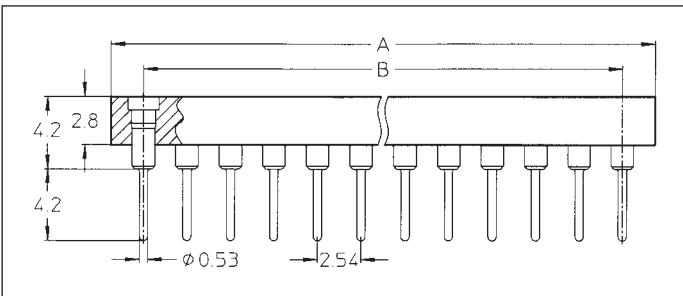
**Option: B**  
PGA sockets with optional stand-offs, please consult for availability

**Option: B**  
PGA sockets with standard solder tail length 3.2 mm and very low force (B) or ultra low force (C) clips



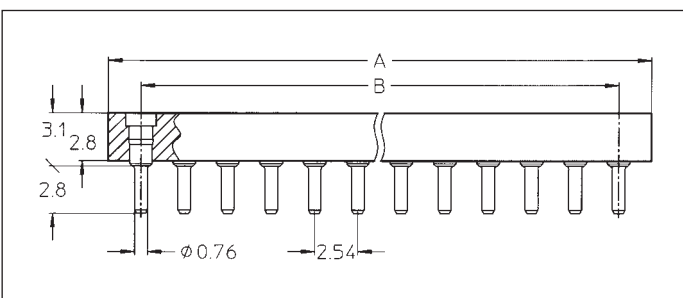
- 510-13-xxx-xx-xxx-001 **B**
- 510-91-xxx-xx-xxx-001 **B**
- 510-93-xxx-xx-xxx-001 **B**
- 510-97-xxx-xx-xxx-001 **B**
- 510-99-xxx-xx-xxx-001 **B**

**Option: B**  
PGA sockets with standard solder tails, length 3.2 mm, four optional self-clinching snap-in pins, and four optional stand-offs. Add **70** to fourth group of figures in standard reference number, e.g. 510-93-108-12-051-001 becomes: 510-93-108-**82**-051-001



- 511-13-xxx-xx-xxx-001 **B**
- 511-91-xxx-xx-xxx-001 **B**
- 511-93-xxx-xx-xxx-001 **B**
- 511-97-xxx-xx-xxx-001 **B**
- 511-99-xxx-xx-xxx-001 **B**

PGA sockets with standard solder tails, length 4.2 mm



- 515-13-xxx-xx-xxx-001 **B**
- 515-91-xxx-xx-xxx-001
- 515-93-xxx-xx-xxx-001
- 515-97-xxx-xx-xxx-001
- 515-99-xxx-xx-xxx-001

PGA sockets with low profile contacts and solder tails of 2.8 mm length

PGA sockets with ultra low profile contacts please consult