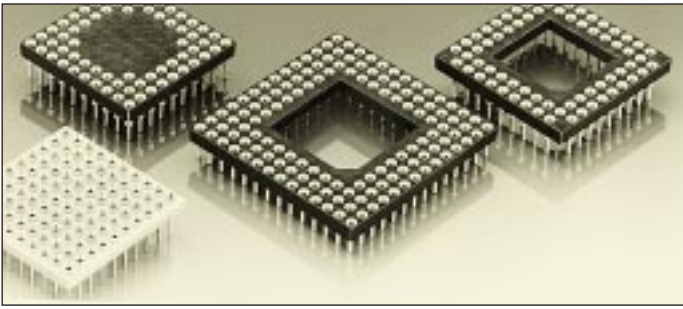


## Series 510 / 511 / 515




### 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

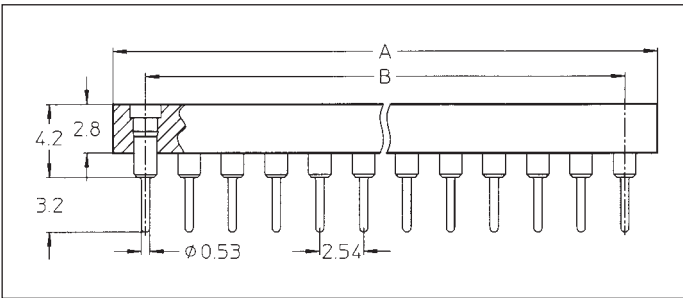
Insertion characteristics: 6-finger low, very low or ultra low force

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



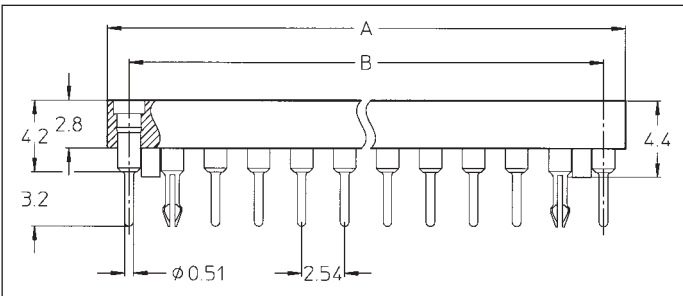
- 510-13-xxx-xx-xxx-001 **B**
- 510-91-xxx-xx-xxx-001
- 510-93-xxx-xx-xxx-001
- 510-97-xxx-xx-xxx-001
- 510-99-xxx-xx-xxx-001

- 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

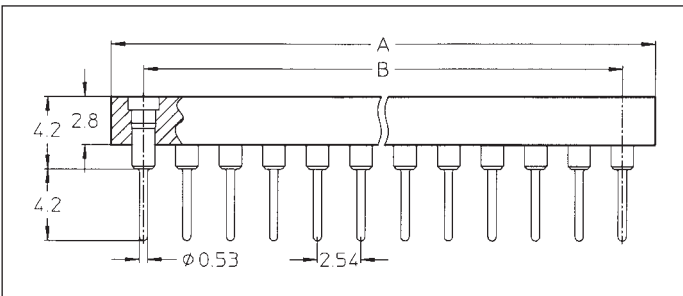
**Option: B**  
PGA sockets with optional stand-offs, please consult for availability

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



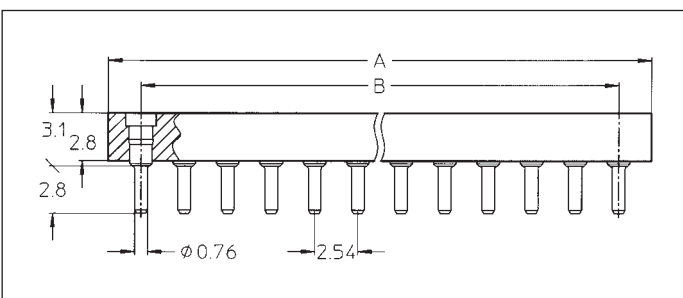
- 510-13-xxx-xx-xxx-001 **B**
- 510-91-xxx-xx-xxx-001 **B**
- 510-93-xxx-xx-xxx-001 **B**
- 510-97-xxx-xx-xxx-001 **B**
- 510-99-xxx-xx-xxx-001 **B**

**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