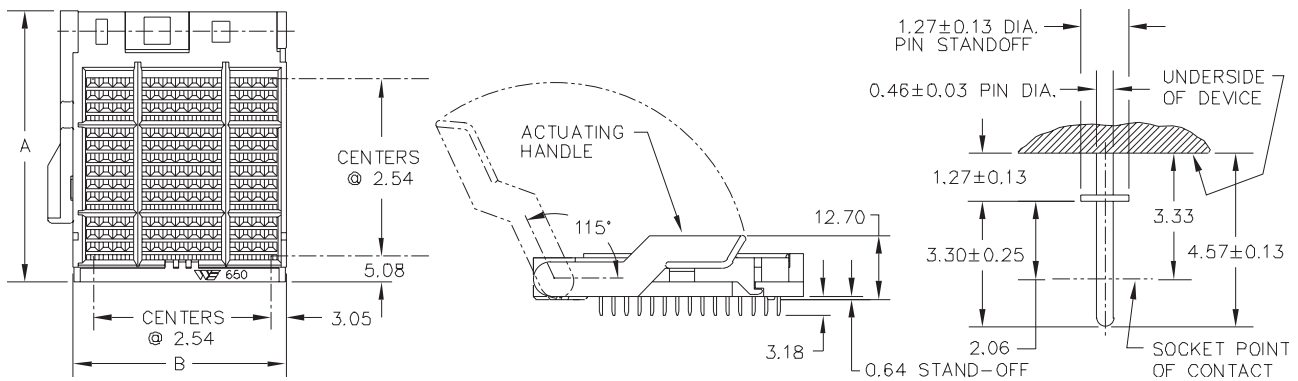


## 650/651 Series ZIP PGA Socket

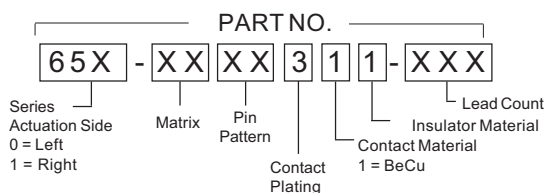
- Zero Insertion Force with normally closed contacts
- 650 Series has Left side actuation
- 651 Series has Right side actuation
- High normal force Dual Beam contacts
- Chamfered lead-in area for easy insertion of IC contacts
- Normally closed balance beam contacts maintain constant pressure on device leads.
- Designed for fully automatic loading and unloading of devices
- Stress-free socket during burn-in



Pitch e (mm)	Matrix	Socket Dimensions (mm)		Socket Width with Handle (mm)	Part Number
		Length (A)*	Width (B)		
2.54	10 X 10	40.13	30.23	35.56	65X-10XX3X1-XXX
	11 X 11	42.67	32.77	38.1	65X-11XX3X1-XXX
	12 X 12	45.21	35.31	40.64	65X-12XX3X1-XXX
	13 X 13	47.75	37.85	43.18	65X-13XX3X1-XXX
	14 X 14	50.29	40.39	45.72	65X-14XX3X1-XXX
	15 X 15	54.86	43.18	48.51	65X-15XX3X1-XXX
	16 X 16	57.40	45.72	51.05	65X-16XX3X1-XXX
	17 X 17	59.94	48.26	53.59	65X-17XX3X1-XXX
	18 X 18	62.48	50.80	56.13	65X-18XX3X1-XXX
	19 X 19	65.02	53.34	58.67	65X-19XX3X1-XXX
	20 X 20	67.56	55.88	61.21	65X-20XX3X1-XXX
21 X 21	70.10	58.42	63.75	65X-21XX3X1-XXX	

\* Handle in Down Position

### DESCRIPTION & ORDERING INFORMATION

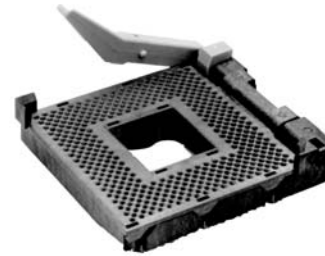


### MATERIALS & SPECIFICATIONS

- Socket Body: PEI or Equivalent
- Contact: Beryllium Copper Alloy
- Contact Plating: Gold over Nickel
- Contact Normal Force: 80 grams
- Contact Resistance: 15 mΩ
- Dielectric: 1000V AC (RMS) @ 1 minute
- Insulation Resistance: 10,000 MΩ @ 100V DC
- Temperature Rating: 150°C
- Current Rating: 1.0 Amps
- Durability: 5,000 cycles min.

## 681 Series ZIF IPGA Socket

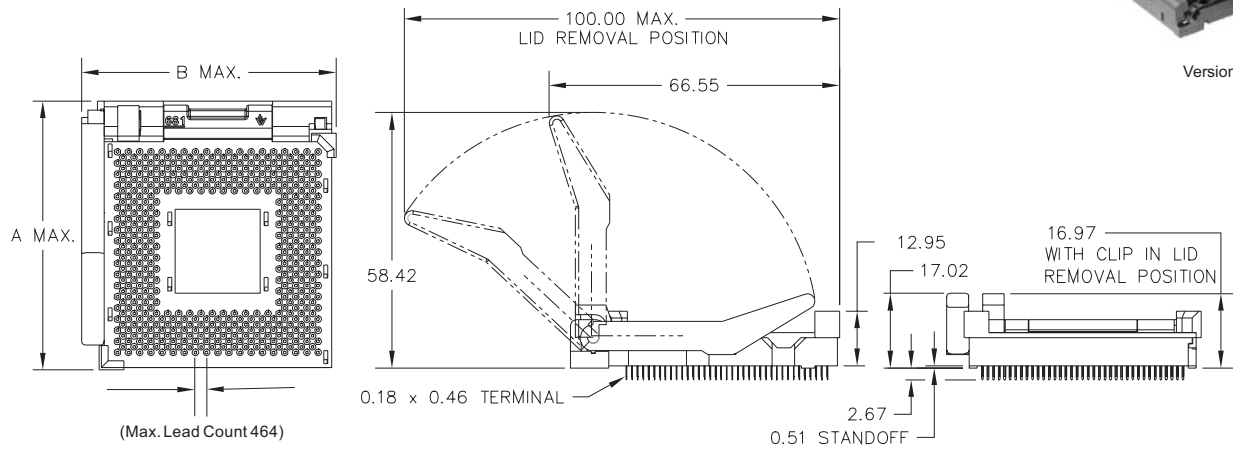
- Zero Insertion Force with normally closed contacts
- Horizontal and vertical detents allow positive handle locations
- Chamfered lead-in area for easy insertion of IC contacts
- Keyed hole plug available for device orientation
- Heatsink option available with thermal transfer interface



Version 681

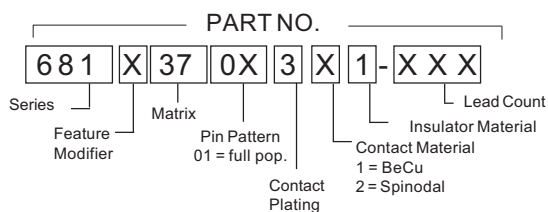


Version 681S



Pitch e (mm)	Matrix Size (mm)	Socket Dimensions (mm)			Part Number
		Length (A)	Width (B)	Height (C)	
1.27	37 X 37	61.88	58.93	17.02	681X370X3X1-370
1.27	37 X 37	61.88	58.93	17.02	681K3702311-391
1.27	37 X 37	61.88	58.93	17.02	681X370X3X1-462

### DESCRIPTION & ORDERING INFORMATION

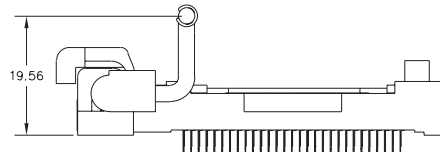
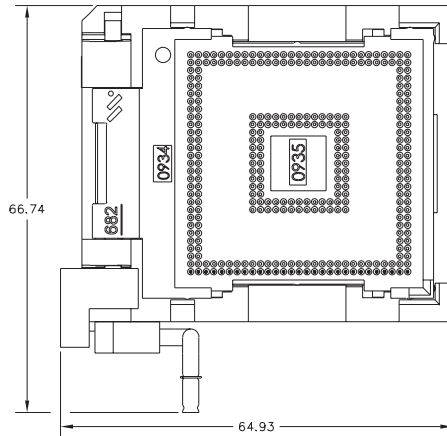
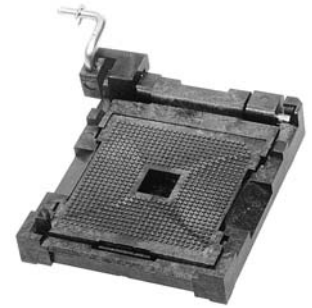


### MATERIALS & SPECIFICATIONS

- Socket Body: PES or Equivalent
- Contact: Beryllium Copper Alloy or Spinodal
- Contact Plating: Gold over Nickel
- Contact Normal Force: 20 grams
- Contact Resistance: 35 mΩ
- Dielectric: 600V AC for 2 minutes
- Temperature Rating: 150°C
- Current Rating: 1.5 Amps
- Durability: 10,000 cycles min.

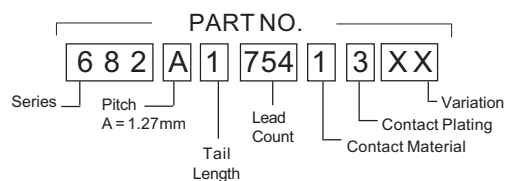
## 682 Series ZIF $\mu$ PGA Socket

- Zero Insertion Force with normally closed contacts
- Horizontal and vertical detents allow positive handle locations
- Chamfered lead-in area for easy insertion of IC contacts
- Keyed hole plug available for device orientation



Lead Count	Pitch e (mm)	Package Size (mm)	Matrix	Pin Diameter (mm)	Part Number
754	1.27	40X40	29X29	0.3	682A275413XX

### DESCRIPTION & ORDERING INFORMATION

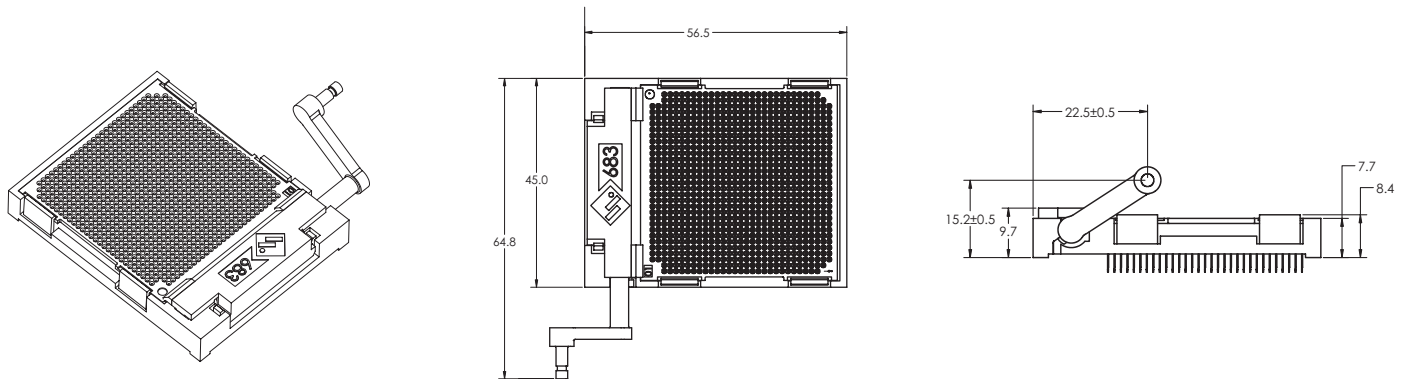


### MATERIALS & SPECIFICATIONS

- Socket Body: PES or Equivalent
- Contact: Beryllium Copper Alloy or Spinodal
- Contact Plating: Gold over Nickel
- Contact Normal Force: 20 grams
- Contact Resistance: 35 m $\Omega$
- Dielectric: 600V AC for 2 minutes
- Temperature Rating: 150°C
- Current Rating: 1.5 Amps
- Durability: 10,000 cycles min.

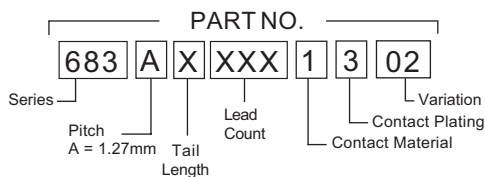
## 683 Series ZIF $\mu$ PGA Socket

- Zero Insertion Force with normally closed contacts
- Horizontal and vertical detents allow positive handle locations
- Chamfered lead-in area for easy insertion of IC contacts



Lead Count	Pitch e (mm)	Package Size (mm)	Matrix	Pin Diameter (mm)	Part Number
754	1.27	40X40	29X29	0.3	683AX75413-02
939	1.27	40X40	31X31	0.3	683AX93913-02
940	1.27	40X40	31X31	0.3	683AX94013-02

### DESCRIPTION & ORDERING INFORMATION



### MATERIALS & SPECIFICATIONS

- Socket Body: PEI or Equivalent
- Contact: Beryllium Copper Alloy
- Contact Plating: Gold over Nickel
- Contact Normal Force: 25 grams
- Contact Resistance: 35 m $\Omega$
- Dielectric: 600V AC for 2 minutes
- Current Rating: 1.5 Amps
- Durability: 10,000 cycles min.