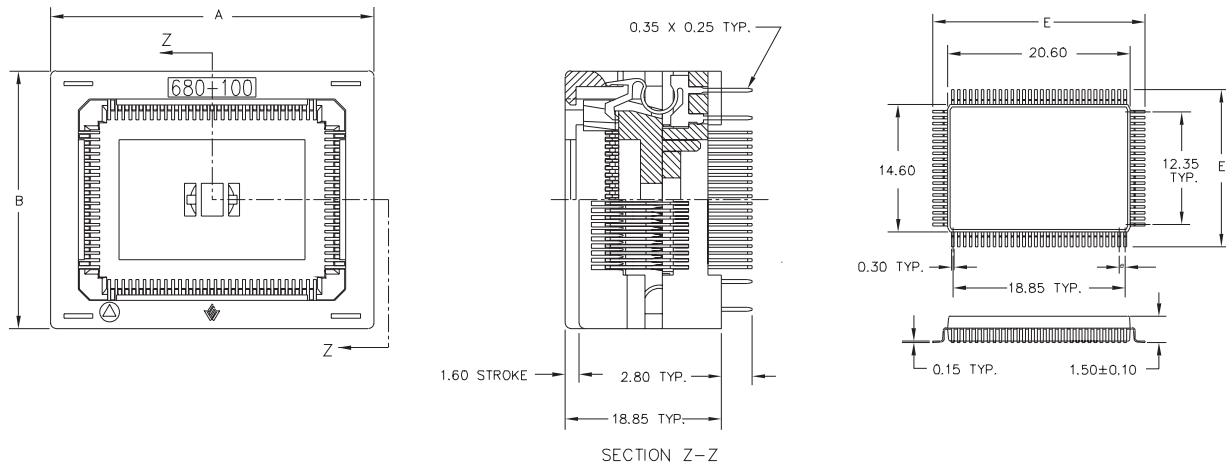


## 680 Series QFP Socket

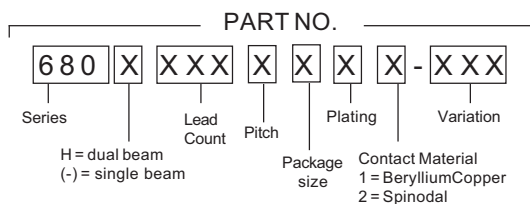
- Open top, Zero Insertion Force design for automatic loading
- Compact outline for maximum board density
- Highly reliable Dual Beam contact design, "H" version
- Lid actuation force peaks during stroke and drops off at full deflection for ease of use



Lead Count	Pitch e (mm)	Package Size (mm)	Socket Dimensions (mm)		Package Leads Tip to Tip (mm)	Part Number
			Length (A)	Width (B)		
64	1.00	20.0 X 14.0	32.80	26.80	24.70 X 18.70	680H0642111
100	0.65	20.6 max X 14.6 max	29.60	23.60	22.00 X 16.00	680-1001111-001
100	0.65	20.6 max X 14.6 max	31.00	25.00	23.20 X 17.20	680-1001111-002
100	0.65	20.1 X 14.0	29.60	23.50	22.10 X 16.00	680H1001111-001
100	0.65	20.1 X 14.0	29.60	23.50	22.10 X 16.00	680H1001112-001
132	0.635	24.13 X 24.13	40.00	40.00	27.432 X 27.432	* 680H1323212-001
144	0.50	20.5 max X 20.5 max	37.00	37.00	22.00 X 22.00	680H1440411

\* BQ QFP

## DESCRIPTION & ORDERING INFORMATION

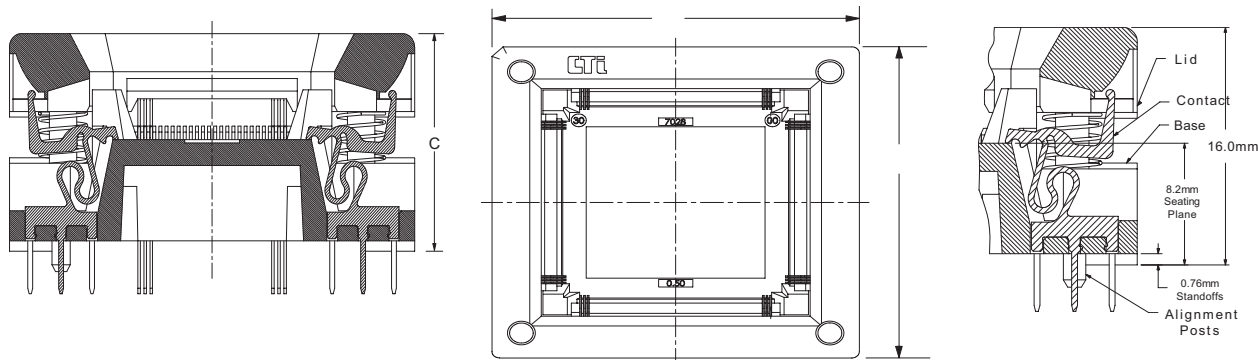
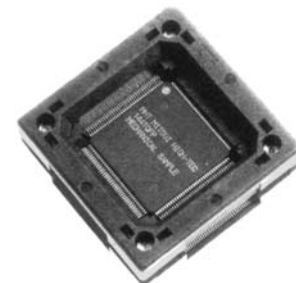


## MATERIALS & SPECIFICATIONS

- Socket Body: PES, PEI, LCP or Equivalent
- Contact: Beryllium Copper Alloy or Spinodal
- Contact Plating: Gold over Nickel
- Contact Normal Force: 40 grams
- Contact Resistance: 50 mΩ
- Dielectric: 300V AC for 1 minute
- Temperature Rating: 150°C
- Insulation Resistance: 5,000 MΩ @ 500V DC
- Durability: 10,000 cycles min.

## 3000 Series OTQFP & TQFP Sockets

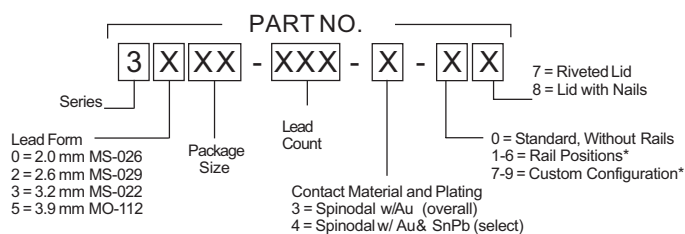
- Open Top Quad Flatpack & Thin Quad Flatpack
- Reduced actuation force contact design
- Zero Insertion Force for auto load
- For 0.5mm pitch and higher, corner post alignment feature accommodates JEDEC package dimensions.
- Modular tooling provides maximum flexibility to meet most lead form and pin count combinations.



Package Size	Lead Count	Pitch e (mm)	Package Size	Dim A X B (mm)	Reduced Actuation Force QFP Sockets			RF TQFP Socket
					MO-112 3.9 ld form	MO-108/MS-022 3.2 ld form	MO-143 2.6 ld form	MO-136/MS-026 2/0 ld form
14 X 14	100	0.50	14 X 14	33.3 X 33.3				3014-100-X-08
14 X 14	120	0.40	14 X 14	33.3 X 33.3				3014-120-X-X8*
14 X 14	128	0.40	14 X 14	33.3 X 33.3				3014-128-X-X8*
14 X 20	100	0.65	14 X 20	32.0 X 38.0				3042-100-X-08
14 X 20	100	0.65	14 X 20	35.3 X 41.3		3342-100-X-07		
14 X 20	100	0.65	14 X 20	35.3 X 41.3	3542-100-X-07			
14 X 20	128	0.50	14 X 20	35.3 X 41.3				3042-128-X-08
14 X 20	128	0.50	14 X 20	35.3 X 41.3		3342-128-X-07		
20 X 20	112	0.65	20 X 20	39.3 X 39.3				3020-112-X-X8
20 X 20	144	0.50	20 X 20	39.3 X 39.3				3020-144-X-X8
24 X 24	160	0.50	24 X 24	43.3 X 43.3				3024-160-X-X8*
24 X 24	176	0.50	24 X 24	43.3 X 43.3				3024-176-X-X8*
28 X 28	144	0.65	28 X 28	49.3 X 49.3		3328-144-X-08		
28 X 28	160	0.65	28 X 28	49.3 X 49.3		3328-160-X-08		
28 X 28	160	0.65	28 X 28	49.3 X 49.3	3528-160-X-08			
28 X 28	208	0.50	28 X 28	49.3 X 49.3				3028-208-X-X8
28 X 28	208	0.50	28 X 28	49.3 X 49.3			3228-208-X-08	

\*Requires device fit up at factory

### DESCRIPTION & ORDERING INFORMATION

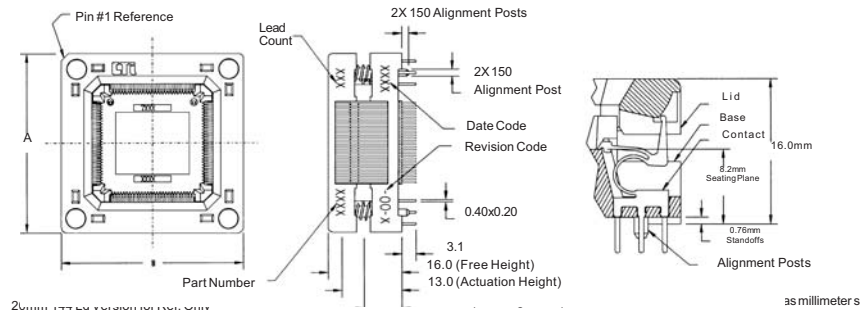
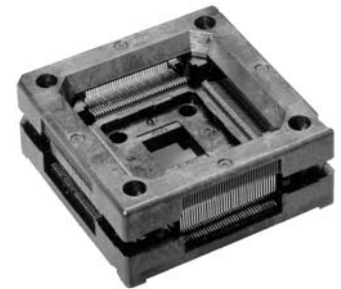


### MATERIALS & SPECIFICATIONS

- Socket Body: PEI, PPS, or Equivalent
- Contact: Spinodal
- Contact Plating: Gold over Nickel
- Contact Normal Force: 25 grams
- Contact Resistance: < 65 mΩ
- Dielectric: 1000V AC RMS for 1 minute
- Temperature Rating: 150°C
- Current Rating: 1.0 Amp
- Durability: 10,000 cycles min.

## 7000 Series OTQFP & TQFP Sockets

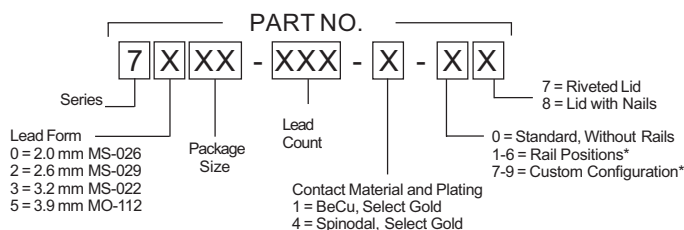
- Open Top Quad Flatpack & Thin Quad Flatpack
- Zero Insertion Force for auto load
- High normal force scrubbing contacts
- For 0.5mm pitch and higher, corner post alignment feature accommodates JEDEC package dimensions.
- Modular tooling provides maximum flexibility to meet most lead form and pin count combinations.



Package Size	Lead Count	Pitch e (mm)	Dim A X B (mm)	Standard QFP Sockets			TQFP Sockets
				MO-112 3.9 ld form	MO-108 / MS-022 3.2 ld form	MO-143 2.6 ld form	MO-136 / MS-026 2.0 ld form
7 X 7	32	0.80	28.3 X 28.3				7007-032-X-07
7 X 7	48	0.50	28.3 X 28.4				7007-048-X-07
10 X 10	44	0.80	29.3 X 29.3				7010-044-X-08
10 X 10	44	0.80	31.3 X 31.3		7310-044-X-08		
10 X 10	44	0.80	31.3 X 31.3	7510-044-X-08			
10 X 10	52	0.65	29.3 X 29.3				7010-052-X-08
10 X 10	52	0.65	31.3 X 31.3		7310-052-X-08		
10 X 10	52	0.65	31.3 X 31.3	7510-052-X-08			
10 X 10	64	0.50	29.3 X 29.3				7010-064-X-08
12 X 12	80	0.50	35.3 X 35.3				7012-080-X-08
14 X 14	64	0.80	33.3 X 33.3				7014-064-X-08
14 X 14	64	0.80	35.3 X 35.3		7314-064-X-08		
14 X 14	80	0.65	33.3 X 33.3				7014-080-X-08
14 X 14	80	0.65	35.3 X 35.3		7314-080-X-08		
14 X 14	100	0.50	33.3 X 33.3				7014-100-X-08
14 X 20	100	0.65	32.0 X 38.0				7042-100-X-08
14 X 20	100	0.65	35.3 X 41.3	7542-100-X-07	7342-100-X-07		
14 X 20	128	0.50	35.3 X 41.3		7342-128-X-07	7242-128-X-07	7042-128-X-08
20 X 20	112	0.65	39.3 X 39.3				7020-112-X-08
20 X 20	128	0.50	39.3 X 39.3				7020-128-X-48*
20 X 20	144	0.50	39.3 X 39.3				7020-144-X-08
24 X 24	160	0.50	43.3 X 43.3				7024-160-X-58*
24 X 24	176	0.50	43.3 X 43.3				7024-176-X-58*
28 X 28	144	0.65	49.3 X 49.3		7328-144-X-08		
28 X 28	160	0.65	49.3 X 49.3	7528-160-X-08	7328-160-X-08		
28 X 28	208	0.50	49.3 X 49.3			7228-208-X-08	7028-208-X-08

\* Consult Factory for package fit

### DESCRIPTION & ORDERING INFORMATION

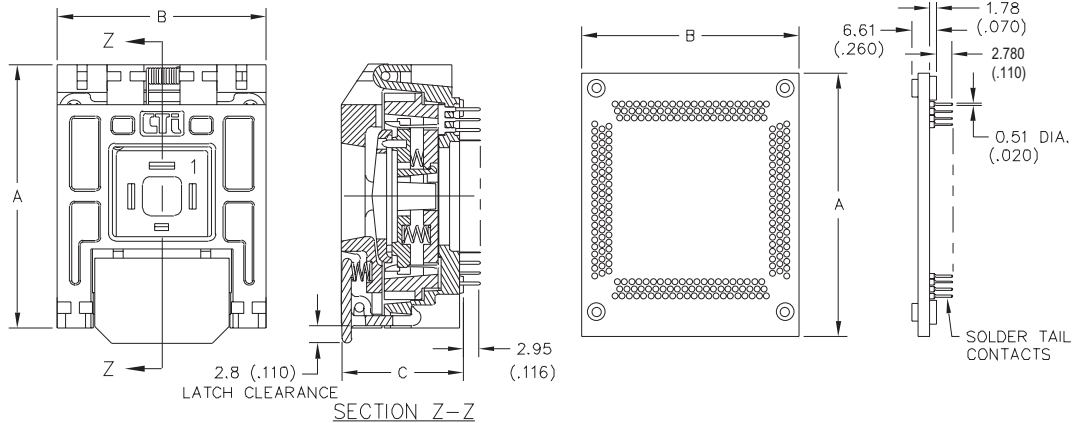


### MATERIALS & SPECIFICATIONS

- Socket Body: PEI, PPS, or Equivalent
- Contact: Spinodal or BeCu Alloy
- Contact Plating: Gold over Nickel
- Contact Normal Force: 40 grams
- Contact Resistance: 30 mΩ
- Dielectric: 1000V AC RMS for 1 minute
- Insulation Resistance: 5,000MΩ @ 100V DC
- Temperature Rating: -55°C to =150°C
- Current Rating: 1.0 Amp
- Durability: 10,000 cycles min.

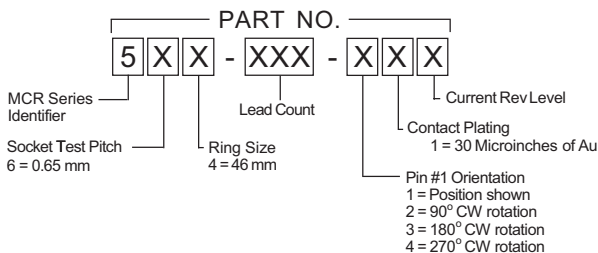
## 564 Series MCR Sockets

- Normally closed contacts allow for maximum wiping action at point of contact.
- Package damage is averted with the use of a gimbed pressure plate incorporated in the socket lid.
- Support rings in both socket base and lid eliminate possibility for damaged test pads.
- Spring loaded stripper plate always presents the package for easy removal.
- High normal force, low contact resistance
- Low impedance contact design
- 85°C / 85% RH compatible



Package Specifications			JEDEC Spec.	Socket Dimensions (mm)			Part Number
Outside Dimension	Pitch e (mm)	Maximum Lead Count		Length (A)	Width (B)	Height (C)	
46	0.65	256	MO-94-AB	72.20	58.70	22.10	564-XXX-XXX

### DESCRIPTION & ORDERING INFORMATION

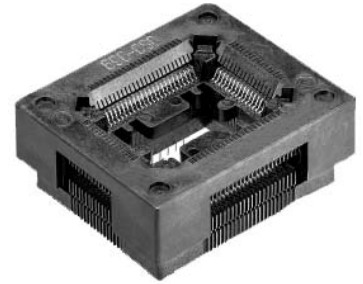


### MATERIALS & SPECIFICATIONS

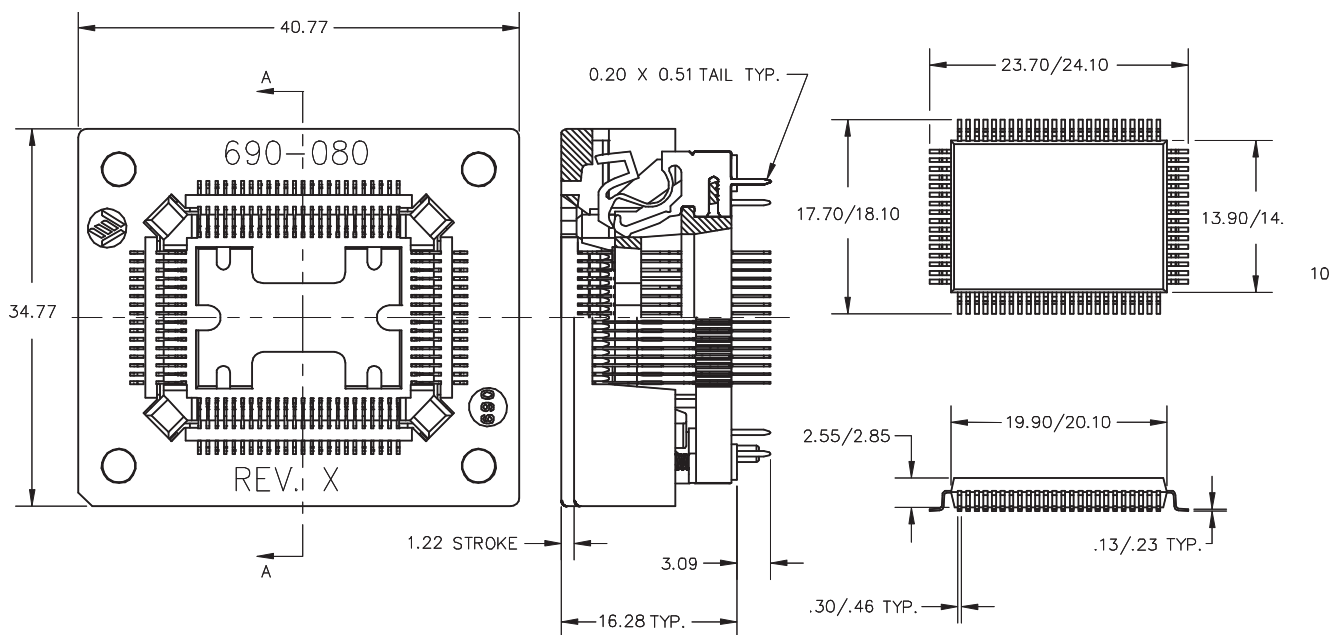
- Socket Body: PPS or Equivalent
- Contact: Pfinodal Alloy
- Contact Plating: Gold over Nickel
- Contact Normal Force: 40 grams
- Contact Resistance: 30 mΩ
- Dielectric: 1,000V AC minimum
- Temperature Rating: 150°C
- Current Rating: 500 mA
- Insulation Resistance: 5,000 MΩ @ 200V DC
- Durability: 5,000 cycles min.

## 690 Series Open Top QFP Socket

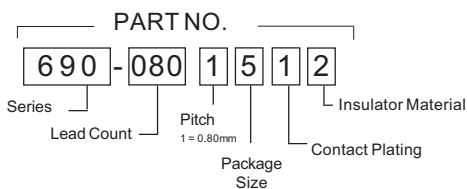
- Dual pinch, Quad Flatpack socket
- Zero Insertion Force for automatic load/unload operations
- Device seats high in nest for maximum airflow



PART NUMBER: 690-0801512



### DESCRIPTION & ORDERING INFORMATION



### MATERIALS & SPECIFICATIONS

- Socket Body: PEI or Equivalent
- Contact: Beryllium Copper Alloy or Spinodal
- Contact Plating: Gold over Nickel
- Contact Normal Force: 30 grams
- Contact Resistance: 30 mΩ
- Dielectric: 600V AC for 2 minutes
- Temperature Rating: 150°C
- Insulation Resistance: 12,000 MΩ @ 500V DC
- Durability: 5,000 cycles min.