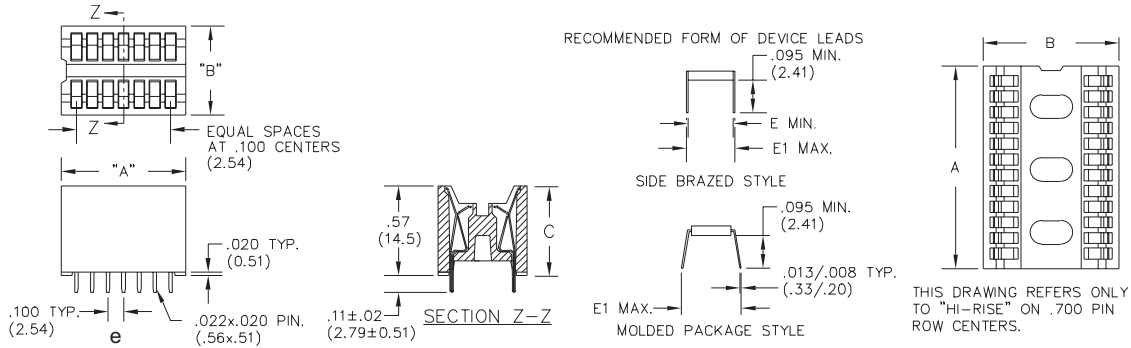


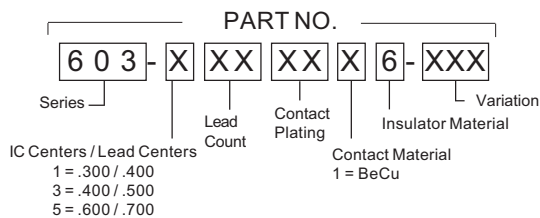
## 603 Series "Hi-Rise" Socket

- Exceptionally long-lasting, dual face-wipe contacts
- Large target area for fast, easy insertion of IC devices
- Center "sword" slot for automatic unloading
- Can be manufactured for high humidity test applications
- For temperatures up to 150°C; for higher temperature applications consult the factory



Lead Count	Pitch e (mm)	Package Dimensions (mm)		Part Number	Socket Dimensions (mm)		
		Width (E1)	Lead Width (max.) (E)		Length (A)	Width (B)	Height (C)
14	.100 (2.54)	.270 (6.86)	.330 (8.38)	603-1140316	.780 (19.81)	.565 (14.35)	.570 (14.50)
16	.100 (2.54)	.270 (6.86)	.330 (8.38)	603-1160316	.880 (22.35)	.565 (14.35)	.570 (14.50)
18	.100 (2.54)	.270 (6.86)	.330 (8.38)	603-1180316	.980 (24.89)	.565 (14.35)	.570 (14.50)
18	.100 (2.54)	.370 (9.40)	.430 (10.92)	603-3180316	.980 (24.89)	.665 (16.89)	.570 (14.50)
20	.100 (2.54)	.270 (6.86)	.330 (8.38)	603-1200316	1.080 (27.43)	.565 (14.35)	.570 (14.50)
20	.100 (2.54)	.370 (9.40)	.430 (10.92)	603-3200316	1.080 (27.43)	.665 (16.89)	.570 (14.50)
22	.100 (2.54)	.370 (9.40)	.430 (10.92)	603-3220316	1.180 (29.97)	.665 (16.89)	.570 (14.50)
24	.100 (2.54)	.370 (9.40)	.430 (10.92)	603-3240316	1.280 (32.51)	.665 (16.89)	.570 (14.50)
24	.100 (2.54)	.570 (14.48)	.630 (16.00)	603-5240316	1.280 (32.51)	.865 (21.97)	.570 (14.50)
28	.100 (2.54)	.370 (9.40)	.430 (10.92)	603-3280316	1.480 (37.59)	.665 (16.89)	.570 (14.50)
28	.100 (2.54)	.570 (14.48)	.630 (16.00)	603-5280316	1.480 (37.59)	.865 (21.97)	.570 (14.50)
32	.100 (2.54)	.370 (9.40)	.430 (10.92)	603-3320316-024	1.680 (42.67)	.665 (16.89)	.570 (14.50)
36	.100 (2.54)	.570 (14.48)	.630 (16.00)	603-5360316-024	1.880 (47.75)	.865 (21.97)	.570 (14.50)
40	.100 (2.54)	.570 (14.48)	.630 (16.00)	603-5400316	2.080 (52.83)	.865 (21.97)	.570 (14.50)
42	.100 (2.54)	.570 (14.48)	.630 (16.00)	603-5420316	2.180 (55.37)	.865 (21.97)	.570 (14.50)
44	.100 (2.54)	.570 (14.48)	.630 (16.00)	603-5440316	2.280 (57.91)	.865 (21.97)	.570 (14.50)
48	.100 (2.54)	.570 (14.48)	.630 (16.00)	603-5480316	2.480 (62.99)	.865 (21.97)	.570 (14.50)

### DESCRIPTION & ORDERING INFORMATION

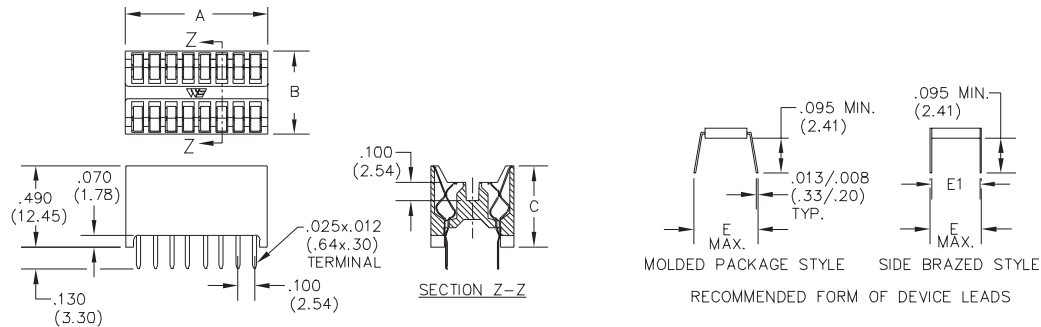
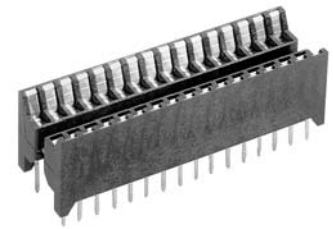


### MATERIALS & SPECIFICATIONS

- Socket Body: PEI or Equivalent
- Contact: Beryllium Copper Alloy
- Contact Plating: Gold over Nickel
- Contact Insertion Force: 140 grams/contact pair
- Contact Withdrawal Force: 30 grams/contact pair
- Contact Resistance: 20 mΩ max. @ 1 amp
- Insulation Resistance: 5,000 MΩ @ 500V AC
- Temperature Rating: 150°C
- Durability: 10,000 cycles min.

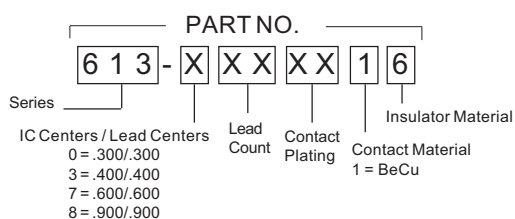
## 613 Series "Mid-Rise"® Socket

- Compact size for maximum board density
- Wide target area for easy entry and removal of IC leads
- Dual face-wipe contacts for long, dependable life
- Excellent component clearance under the socket
- Four high corner standoffs for easy inspection and cleaning of the PC board
- For temperatures up to 150°C; for higher temperature applications consult the factory



Lead Count	Pitch e (mm)	Package Dimensions (mm)		Part Number	Socket Dimensions (inches)		
		Width (E1)	Lead Width (max) (E)		Length (A)	Width (B)	Height (C)
6	.100 (2.54)	.270 (6.86)	.330 (8.38)	613-0060316	.330 (8.38)	.495 (12.57)	.485 (12.45)
8	.100 (2.54)	.270 (6.86)	.330 (8.38)	613-0080316	.430 (10.92)	.495 (12.57)	.485 (12.45)
14	.100 (2.54)	.270 (6.86)	.330 (8.38)	613-0140316	.730 (18.54)	.495 (12.57)	.485 (12.45)
16	.100 (2.54)	.270 (6.86)	.330 (8.38)	613-0160316	.830 (21.08)	.495 (12.57)	.485 (12.45)
18	.100 (2.54)	.270 (6.86)	.330 (8.38)	613-0180316	.930 (23.62)	.495 (12.57)	.485 (12.45)
18	.100 (2.54)	.370 (9.40)	.430 (10.92)	613-3180316	.930 (23.62)	.595 (15.11)	.485 (12.45)
20	.100 (2.54)	.270 (6.86)	.330 (8.38)	613-0200316	1.030 (26.16)	.495 (12.57)	.485 (12.45)
20	.100 (2.54)	.370 (9.40)	.430 (10.92)	613-3200316	1.030 (26.16)	.595 (15.11)	.485 (12.45)
22	.100 (2.54)	.270 (6.86)	.330 (8.38)	613-0220316	1.130 (28.70)	.495 (12.57)	.485 (12.45)
22	.100 (2.54)	.370 (9.40)	.430 (10.92)	613-3220316	1.130 (28.70)	.595 (15.11)	.485 (12.45)
24	.100 (2.54)	.270 (6.86)	.330 (8.38)	613-0240316	1.230 (31.24)	.495 (12.57)	.485 (12.45)
24	.100 (2.54)	.570 (14.48)	.630 (16.00)	613-7240316	1.230 (31.24)	.795 (20.19)	.485 (12.45)
28	.100 (2.54)	.270 (6.86)	.330 (8.38)	613-0280316	1.430 (36.32)	.495 (12.57)	.485 (12.45)
28	.100 (2.54)	.370 (9.40)	.430 (10.92)	613-3280316	1.430 (36.32)	.595 (15.11)	.485 (12.45)
28	.100 (2.54)	.570 (14.48)	.630 (16.00)	613-7280316	1.430 (36.32)	.795 (20.19)	.485 (12.45)
32	.100 (2.54)	.270 (6.86)	.330 (8.38)	613-0320316	1.630 (41.40)	.495 (12.57)	.485 (12.45)
32	.100 (2.54)	.370 (9.40)	.430 (10.92)	613-3320316	1.630 (41.40)	.595 (15.11)	.485 (12.45)
32	.100 (2.54)	.570 (14.48)	.630 (16.00)	613-7320316	1.630 (41.40)	.795 (20.19)	.485 (12.45)
40	.100 (2.54)	.570 (14.48)	.630 (16.00)	613-7400316	2.030 (51.56)	.795 (20.19)	.485 (12.45)
64	.100 (2.54)	.870 (22.10)	.930 (23.62)	613-8640316	3.230 (82.04)	1.095 (27.91)	.485 (12.45)

### DESCRIPTION & ORDERING INFORMATION

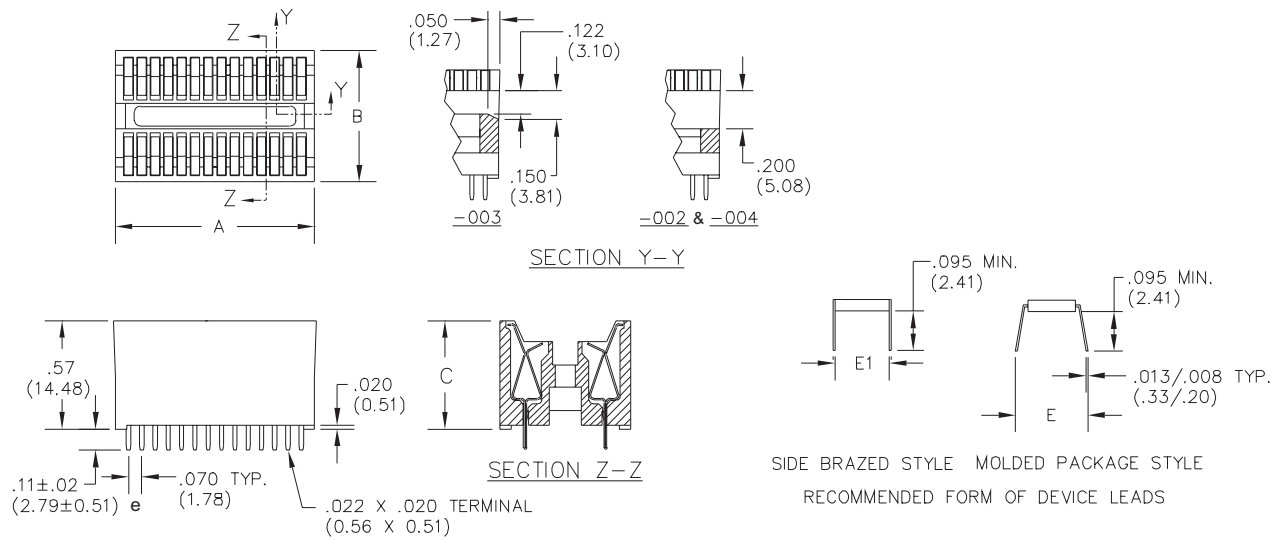


### MATERIALS & SPECIFICATIONS

- Socket Body: PEI or Equivalent
- Contact: Beryllium Copper Alloy
- Contact Plating: Gold over Nickel
- Contact Insertion Force: 15 grams
- Contact Withdrawal Force: 8 grams
- Contact Resistance: 20 mΩ
- Dielectric: 600V AC for 2 minutes
- Temperature Rating: 150°C
- Durability: 10,000 cycles min.

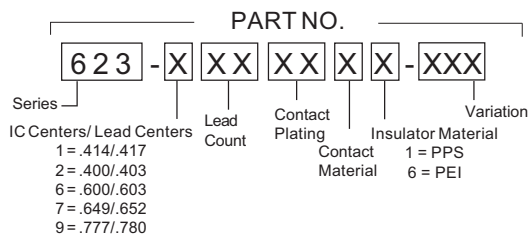
## 623 Series "Shrink" "Hi-Rise" Socket

- Shrink sockets on .070 centers achieve max board density
- Large target area for easy insertion of device leads
- Long lasting, dual face-wipe contacts
- Unique contact design providing a very low insertion force
- Center "sword" slot for automatic unloading



Lead Count	Pitch e (mm)	Package Dimensions (mm)		Part Number	Socket Dimensions (mm)		
		Width (E1)	Lead Width (max.) (E)		Length (A)	Width (B)	Height (C)
28	.070 (1.78)	.398 (10.19)	.444 (11.28)	623-1280316-004	1.050 (26.67)	.690 (17.53)	.570 (14.48)
30	.070 (1.78)	.398 (10.19)	.444 (11.28)	623-1300316-003	1.110 (28.19)	.690 (17.53)	.570 (14.48)
42	.070 (1.78)	.633 (16.08)	.679 (17.25)	623-7420316-004	1.540 (39.12)	.920 (23.37)	.570 (14.48)
64	.070 (1.78)	.761 (19.330)	.807 (20.50)	623-9640316-004	2.310 (58.67)	1.050 (26.67)	.570 (14.48)

### DESCRIPTION & ORDERING INFORMATION

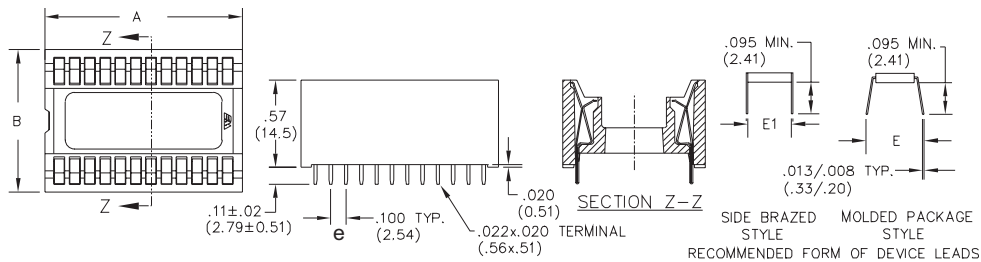


### MATERIALS & SPECIFICATIONS

- Socket Body: PEI, PPS or Equivalent
- Contact: Beryllium Copper Alloy
- Contact Plating: Gold over Nickel
- Contact Insertion Force: 30 grams/contact
- Contact Withdrawal Force: 20 grams/contact
- Contact Resistance: 20 mΩ max. @ 1 ampere
- Temperature Rating: 150°C
- Dielectric: 600V AC for 2 minutes
- Durability: 10,000 cycles min.

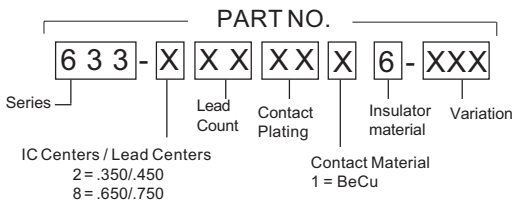
## 633 Series Wide Body "Hi-Rise" Socket

- Exceptionally long-lasting, dual face-wipe contacts
- Wider version of the standard Series 603 "Hi-Rise" socket
- 14 to 18 pins on .450" and .750" pin row centers
- Sockets on .750" centers designed with or without a step in the center "sword" slot area
- For temperatures up to 150°C; for higher temperature applications consult the factory



Lead Count	Pitch e (mm)	Package Dimensions (mm)		Part Number	Socket Dimensions (mm)		
		Width (E1)	Lead Width (max.) (E)		Length (A)	Width (B)	Height (C)
14	.100 (2.54)	.315 (8.00)	.375 (9.53)	633-2140316	.780 (19.81)	.630 (16.00)	.570 (14.50)
16	.100 (2.54)	.315 (8.00)	.375 (9.53)	633-2160316	.880 (22.35)	.630 (16.00)	.570 (14.50)
18	.100 (2.54)	.315 (8.00)	.375 (9.53)	633-2180316	.980 (24.89)	.630 (16.00)	.570 (14.50)
20	.100 (2.54)	.315 (8.00)	.375 (9.53)	633-2200316	1.080 (27.43)	.630 (16.00)	.570 (14.50)
22	.100 (2.54)	.315 (8.00)	.375 (9.53)	633-2220316	1.180 (29.97)	.630 (16.00)	.570 (14.50)
24	.100 (2.54)	.315 (8.00)	.375 (9.53)	633-2240316	1.280 (32.51)	.630 (16.00)	.570 (14.50)
24	.100 (2.54)	.615 (15.62)	.675 (17.15)	633-8240316	1.280 (32.51)	.930 (23.62)	.570 (14.50)
24	.100 (2.54)	.615 (15.62)	.675 (17.15)	633-8240316-001	1.280 (32.51)	.930 (23.62)	.570 (14.50)
28	.100 (2.54)	.315 (8.00)	.375 (9.53)	633-2280316	1.480 (37.59)	.630 (16.00)	.570 (14.50)
28	.100 (2.54)	.615 (15.62)	.675 (17.15)	633-8280316	1.480 (37.59)	.930 (23.62)	.570 (14.50)
28	.100 (2.54)	.615 (15.62)	.675 (17.15)	633-8280316-001	1.480 (37.59)	.930 (23.62)	.570 (14.50)
32	.100 (2.54)	.315 (8.00)	.375 (9.53)	633-2320316	1.680 (42.67)	.630 (16.00)	.570 (14.50)
32	.100 (2.54)	.615 (15.62)	.675 (17.15)	633-8320316	1.680 (42.67)	.930 (23.62)	.570 (14.50)
32	.100 (2.54)	.615 (15.62)	.675 (17.15)	633-8320316-001	1.680 (42.67)	.930 (23.62)	.570 (14.50)
36	.100 (2.54)	.615 (15.62)	.675 (17.15)	633-8360316-001	1.880 (47.75)	.930 (23.62)	.570 (14.50)
40	.100 (2.54)	.615 (15.62)	.675 (17.15)	633-8400316	2.080 (52.83)	.930 (23.62)	.570 (14.50)
40	.100 (2.54)	.615 (15.62)	.675 (17.15)	633-8400316-001	2.080 (52.83)	.930 (23.62)	.570 (14.50)
42	.100 (2.54)	.615 (15.62)	.675 (17.15)	633-8420316	2.180 (55.37)	.930 (23.62)	.570 (14.50)
42	.100 (2.54)	.615 (15.62)	.675 (17.15)	633-8420316-001	2.180 (55.37)	.930 (23.62)	.570 (14.50)
48	.100 (2.54)	.615 (15.62)	.675 (17.15)	633-8480316	2.480 (62.99)	.930 (23.62)	.570 (14.50)
48	.100 (2.54)	.615 (15.62)	.675 (17.15)	633-8480316-001	2.480 (62.99)	.930 (23.62)	.570 (14.50)

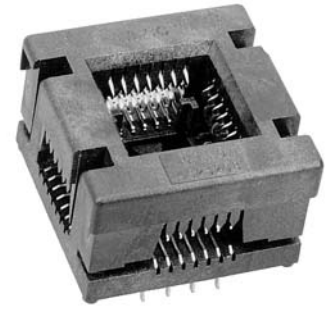
### DESCRIPTION & ORDERING INFORMATION



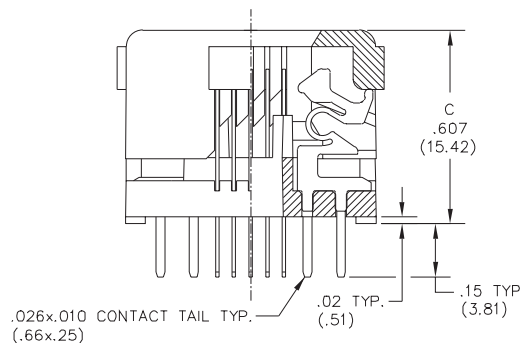
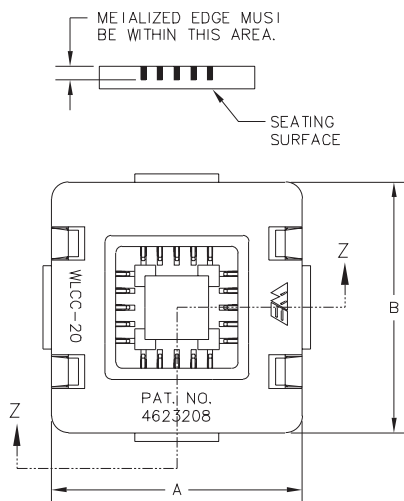
### MATERIALS & SPECIFICATIONS

- Socket Body: PEI or Equivalent
- Contact: Beryllium Copper Alloy
- Contact Plating: Gold over Nickel
- Contact Insertion Force: 140 grams
- Contact Withdrawal Force: 30 grams
- Contact Resistance: 20 mΩ max @ 1 ampere
- Temperature Rating: 150°C
- Insulation Resistance: 5,000 MΩ @500V AC
- Durability: 10,000 cycles min.

## 635 Series Leadless Chip Carrier Socket



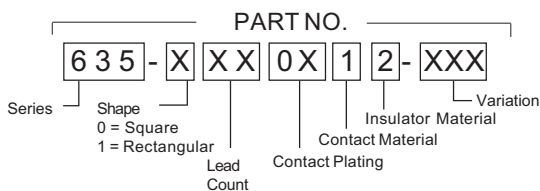
- Maximum air flow allowing even heat dissipation
- Open Top with Zero Insertion Force design
- Top of socket provides pre-insertion nest for self-alignment
- Top actuated design provides easy loading of the device, either manually or automatically
- High spring force assures excellent side contact
- Positive locking of the device
- Designed-in contact over-stress protection
- Allows probing of contacts with device in place
- For dead bug burn-in applications up to 150°C (for live bug contact factory)



SECTION Z-Z

Lead Count	Pitch e (mm)	Package Dimensions (mm)			Part Number	Socket Dimensions (mm)		
		Width (E1)	Thickness	Length (D)		Length (A)	Width (B)	Height (C)
18	0.050 (1.27)	.285 (7.24)	.060 (1.52)	.450 (11.43)	635-1180312-002	.900 (22.86)	.735 (18.67)	0.607 (15.42)
20	0.050 (1.27)	.360 (9.14)	.067 (1.70)	.360 (9.14)	635-0200312	.800 (20.32)	.800 (20.32)	0.607 (15.42)
24	0.050 (1.27)	.412 (10.46)	.064 (1.63)	.412 (10.46)	635-0240312	.850 (21.59)	.850 (21.59)	0.607 (15.42)
28	0.050 (1.27)	.460 (11.68)	.064 (1.63)	.460 (11.68)	635-0280312	.900 (22.86)	.900 (22.86)	0.607 (15.42)
68	0.050 (1.27)	.960 (24.38)	.064 (1.63)	.960 (24.38)	635-0680312	1.400 (35.56)	1.400 (35.56)	0.607 (15.42)

### DESCRIPTION & ORDERING INFORMATION

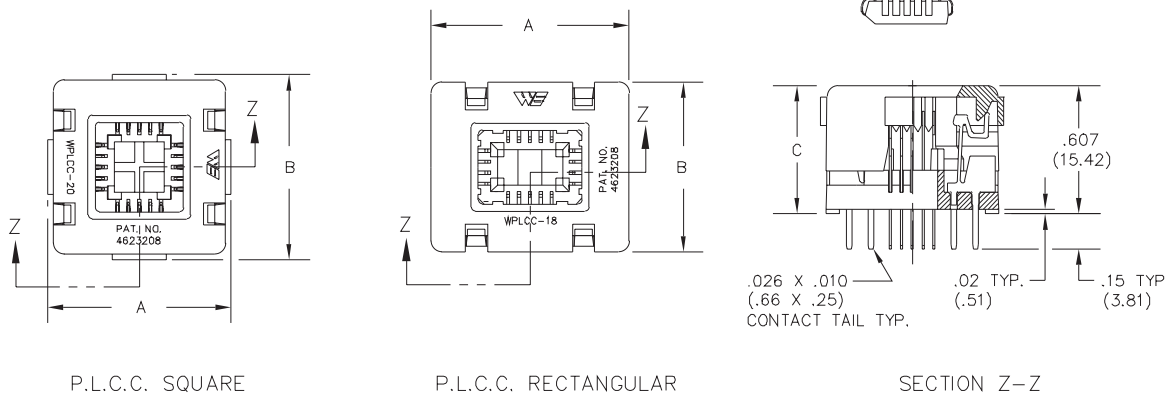
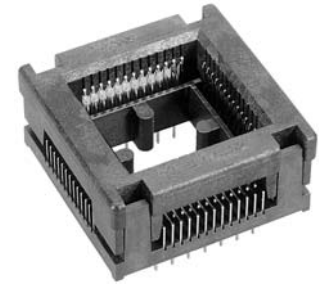


### MATERIALS & SPECIFICATIONS

- Socket Body: PAS or Equivalent
- Contact: Beryllium Copper Alloy
- Contact Plating: Gold over Nickel
- Contact Resistance: 25 mΩ
- Dielectric: 600V AC for 2 minutes
- Temperature Rating: 150°C
- Insulation Resistance: 5,000 MΩ @ 100V DC
- Durability: 3,000 cycles min.

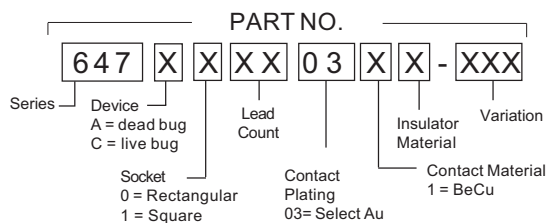
## 647 Series A&C Plastic Leaded Chip Carrier Socket

- Direct entry with Zero Insertion Force
- Series 647A dead bug device insertion
- Series 647C live bug device insertion
- Heat evenly dissipates on all four sides
- Designed-in contact over-stress protection
- Top actuated design provides easy loading of IC device, either manually or automatically
- Excellent side contact and positive locking
- Contacts easily probed with device in place



Lead Count	Pitch e (mm)	Package Dimensions (mm)			Part Number	Socket Dimensions (mm)		
		Width (E1)	Thickness	Length (D)		Length (A)	Width (B)	Height (C)
18	0.05 (1.27)	0.327 (8.31)	0.140 (3.56)	0.467 (11.86)	647X0180312	.901 (23.11)	.770 (19.56)	.607 (15.42)
18	0.05 (1.27)	0.335 (8.51)	0.140 (3.56)	0.535 (13.59)	647X0180312-001	.980 (24.89)	.775 (16.69)	.607 (15.42)
20	0.05 (1.27)	0.395 (10.03)	0.180 (4.57)	0.395 (10.03)	647X1200312	.840 (21.34)	.840 (21.34)	.607 (15.42)
22	0.05 (1.27)	0.335 (8.51)	0.140 (3.56)	0.535 (13.59)	647X0220312	.980 (24.89)	.775 (19.69)	.607 (15.42)
28	0.05 (1.27)	0.495 (12.57)	0.180 (4.57)	0.495 (12.57)	647X1280312	.940 (23.88)	.940 (23.88)	.607 (15.42)
32	0.05 (1.27)	0.495 (12.57)	0.140 (3.56)	0.595 (15.11)	647X0320312	1.040 (26.42)	.940 (23.88)	.607 (15.42)
44	0.05 (1.27)	0.695 (17.56)	0.180 (4.57)	0.695 (17.56)	647X1440312	1.140 (28.96)	1.140 (28.96)	.607 (15.42)
52	0.05 (1.27)	0.795 (20.19)	0.200 (5.08)	0.795 (20.19)	647X1520312-012	1.240 (31.50)	1.240 (31.50)	.607 (15.42)
68	0.05 (1.27)	0.995 (25.27)	0.200 (5.08)	0.995 (25.27)	647X1680312-012	1.440 (36.58)	1.440 (36.58)	.607 (15.42)
84	0.05 (1.27)	1.195 (30.350)	0.200 (5.08)	1.195 (30.35)	647X1840312	1.640 (41.66)	1.640 (41.66)	.607 (15.42)

### DESCRIPTION & ORDERING INFORMATION



### MATERIALS & SPECIFICATIONS

- Socket Body: PAS or Equivalent
- Style A: Base Brown, Lid Brown
- Style C: Base Red, Lid Brown
- Contact: Beryllium Copper Alloy
- Contact Plating: Gold over Nickel
- Contact Normal Force: 60 grams
- Contact Resistance: 25mΩ
- Dielectric: 600V AC for 2 minutes
- Temperature Rating: 150°C
- Insulation Resistance: 5,000 MΩ @ 100V DC
- Durability: 10,000 cycles min.