518-074 TO 518-128.

WELLS BURN-IN/TEST SOCKETS

Series 647 A&C Plastic Leaded Chip Carrier

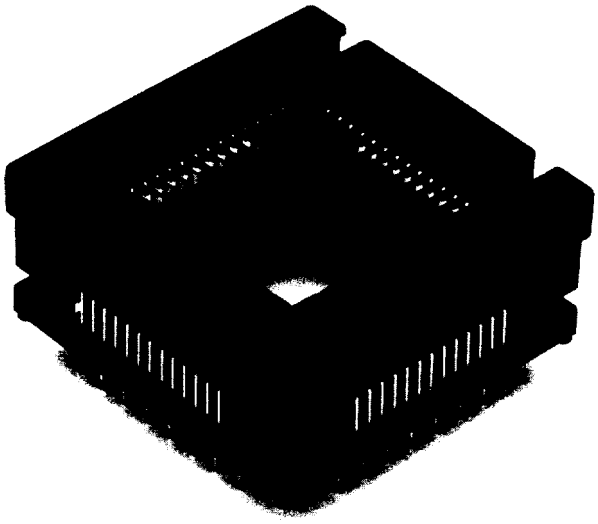
(Replaces Standard Series 636 A-D) Patent #4,623,208

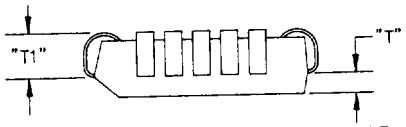
PLCC socket features direct entry and Zero Insertion Force Operation

Series 647A dead bug device insertion

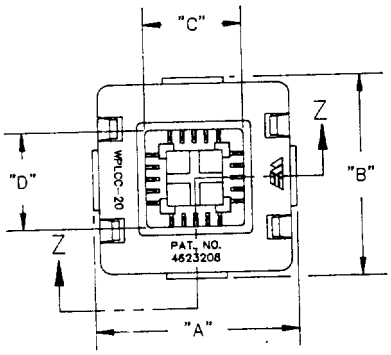
Series 647C live bug device insertion

- Full family of plastic chip carrier sockets for burn-in applications up to 150°C.
- Designed for a wide range of JEDEC devices.
- Heat evenly dissipated on all four sides.
- Tin/lead plated tails for solderability.
- Designed-in contact over-stress protection.
- Top actuated design provides easy loading of the IC device, either manually or automatically.
- Excellent side contact and positive locking.
- Contacts easily probed with device in place.

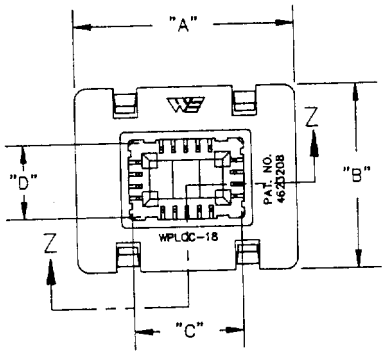




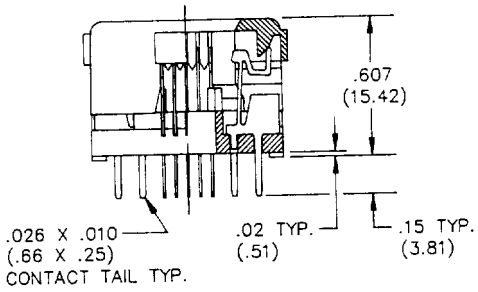
NOTE: SOCKET IS DESIGNED TO ACCEPT PACKAGE WITHIN "T" & "T1" LIMITATIONS.



P.L.C.C. SQUARE



P.L.C.C. RECTANGULAR



SECTION Z-Z

Note: Dimensions shown as inches (millimeters).

Part No.	No. of Pins	Thickness Limitations T*	Thickness Limitations T1*	Device Dimensions Thickness	Device Dimensions Width	Device Dimensions Length	Socket Dimensions A	Socket Dimensions B	Socket Dimensions C	Socket Dimensions D
647X0181912†	18	–	.060 to .095	.140 (3.56)	.327 (8.31)	.467 (11.86)	.910 (23.11)	.770 (19.56)	.430 (10.92)	.290 (7.37)
647X0181912-001†	18	–	.060 to .095	.140 (3.56)	.335 (8.51)	.535 (13.59)	.980 (24.89)	.775 (19.69)	.497 (12.62)	.297 (7.54)
647X1201912	20	.045 to .090	.090 to .120	.180 (4.57)	.395 (10.03)	.395 (10.03)	.840 (21.34)	.840 (21.34)	.405 (10.29)	.405 (10.29)
647X0221912†	22	–	.060 to .095	.140 (3.56)	.355 (9.02)	.535 (13.59)	.980 (24.89)	.775 (19.69)	.497 (12.62)	.297 (7.54)
647X1281912	28	.045 to .090	.090 to .120	.180 (4.57)	.495 (12.57)	.495 (12.57)	.940 (23.88)	.940 (23.88)	.505 (12.83)	.505 (12.83)
647X0321912	32	.020 to .080	.060 to .095	.140 (3.56)	.495 (12.57)	.595 (15.11)	1.040 (26.42)	.940 (23.88)	.579 (14.71)	.479 (12.71)
647X1441912	44	.045 to .090	.090 to .120	.180 (4.57)	.695 (17.56)	.695 (17.56)	1.140 (28.96)	1.140 (28.96)	.705 (17.91)	.705 (17.91)
647X1521912	52	.045 to .100	.090 to .130	.200 (5.08)	.795 (20.19)	.795 (20.19)	1.240 (31.50)	1.240 (31.50)	.805 (20.45)	.805 (20.45)
647X1681912	68	.045 to .100	.090 to .130	.200 (5.08)	.995 (25.27)	.995 (25.27)	1.440 (36.58)	1.440 (36.58)	1.005 (25.53)	1.005 (25.53)
647X1841912	84	.056 to .090	.090 to .130	.200 (5.08)	1.195 (30.35)	1.195 (30.35)	1.640 (41.66)	1.640 (41.66)	1.205 (30.61)	1.205 (30.61)

* These dimensions shown as inches. †18 and 22 lead available in A style only. To order select gold-plated contacts, change the nickel plated "19" to "03".

MATERIALS

Socket body: U.L. 94V-O rated high temperature material

Style A base brown, lid brown; Style C base red, lid brown

Contact: Beryllium copper

Contact plating: 50 microinches of nickel or 30 microinches of select gold, over 50 microinches of nickel

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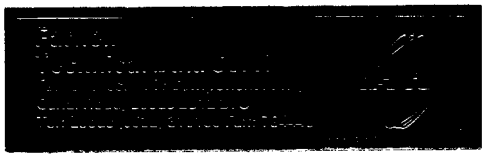
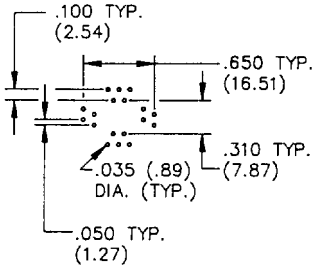
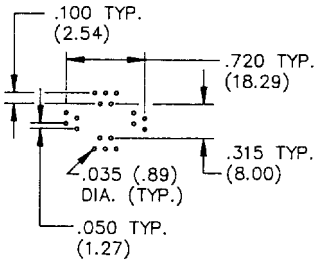


WELLS BURN-IN/TEST SOCKETS
SERIES 647 PLCC FOOTPRINTS

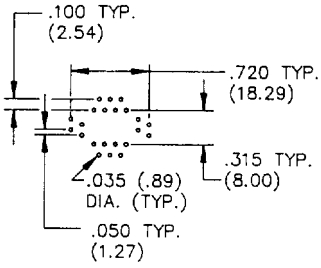
18 LEAD (STANDARD)
Part No. 647-0181912



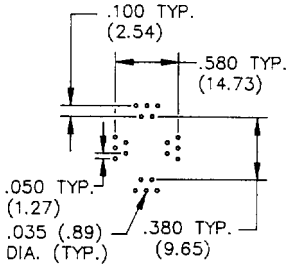
18 LEAD
Part No. 647-0181912-001



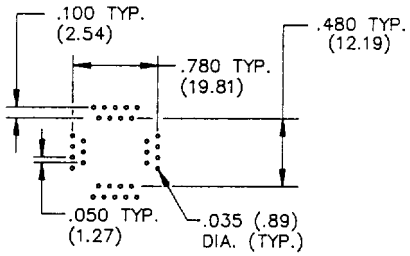
22 LEAD (STANDARD)
Part No. 647-0221912



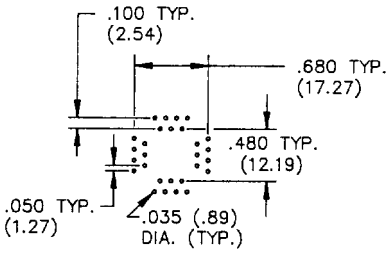
20 LEAD (STANDARD)
Part No. 647-1201912



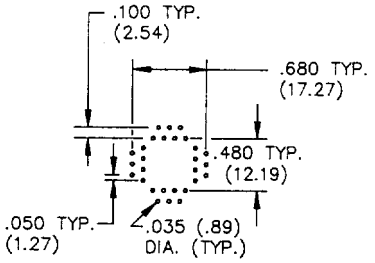
32 LEAD (STANDARD)
Part No. 647-0321912



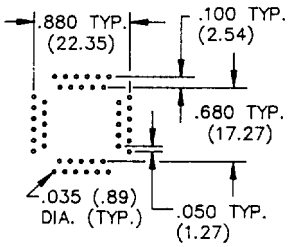
28 LEAD (STANDARD)
Part No. 647-1281912



28 LEAD (OPTIONAL)
Part No. 647-1281912-004



44 LEAD (STANDARD)
Part No. 647-1441912



44 LEAD (OPTIONAL)
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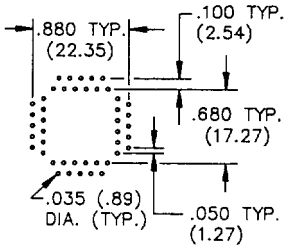

52 LEAD (STANDARD)
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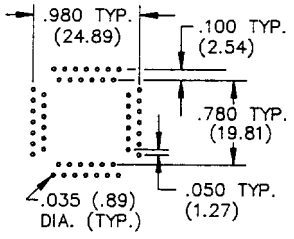

52 LEAD (OPTIONAL)
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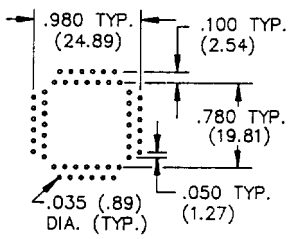
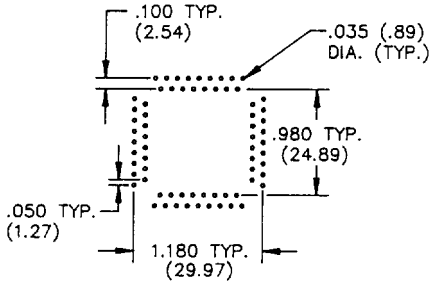


68 LEAD (STANDARD)
Part No. 647-1681912



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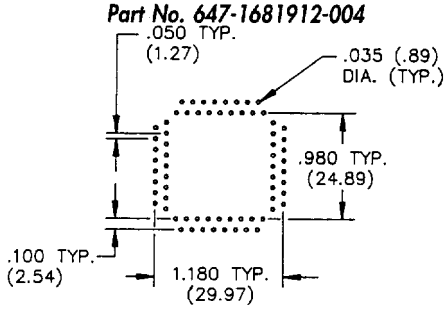

84 LEAD (STANDARD)
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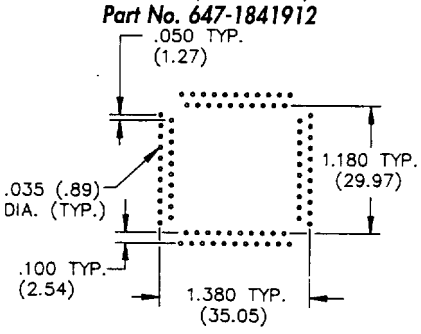

Footprint patterns are viewed from above
looking down through the socket.

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