



WELLS BURN-IN/TEST SOCKETS

Series 647 A&C Plastic Leaded Chip Carrier

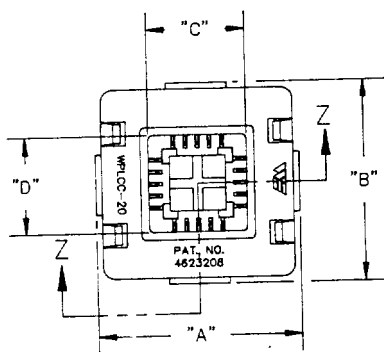
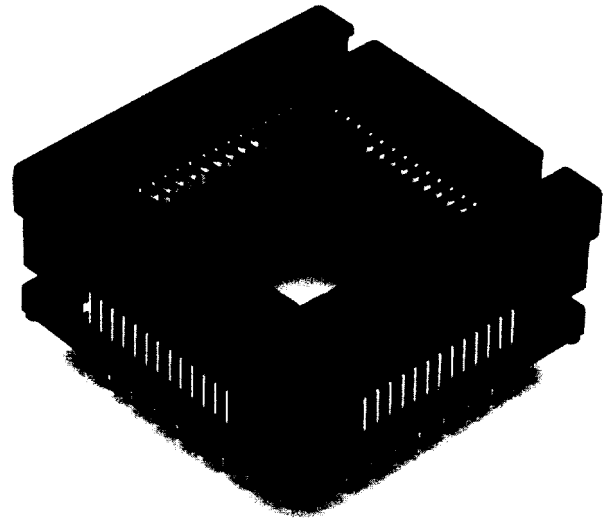
(Replaces Standard Series 636 A-D) Patent #4,623,208

PLCC socket features direct entry and Zero Insertion Force Operation

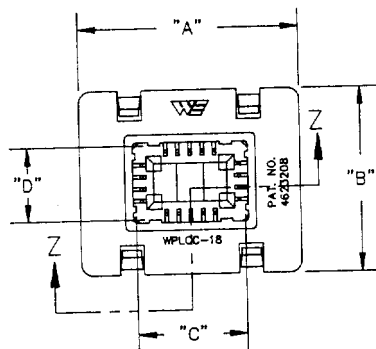
Series 647A dead bug device insertion

Series 647C live bug device insertion

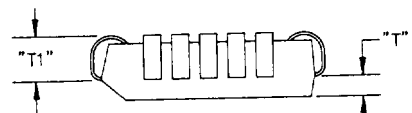
- Full family of plastic chip carrier sockets for burn-in applications up to 150°C.
- Designed for a wide range of JEDEC devices.
- Heat evenly dissipated on all four sides.
- Tin/lead plated tails for solderability.
- Designed-in contact over-stress protection.
- Top actuated design provides easy loading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



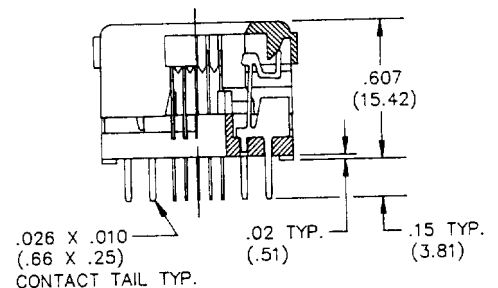
P.L.C.C. SQUARE



P.L.C.C. RECTANGULAR



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



SECTION Z-Z

Note: Dimensions shown as inches (millimeters).

Part No.	No. of Pins	Thickness Limitations		Device Dimensions			Socket Dimensions			
		T*	T1*	Thickness	Width	Length	A	B	C	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

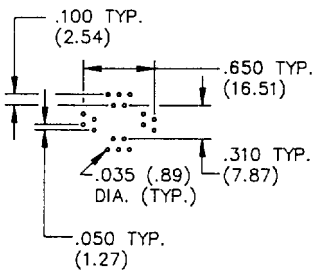
WELLS ELECTRONICS, INC., 1701 S. MAIN STREET • SOUTH BEND, INDIANA 46613 U.S.A. • (219) 287-5941 • FAX (219) 287-0356 • TELEX 493-7960



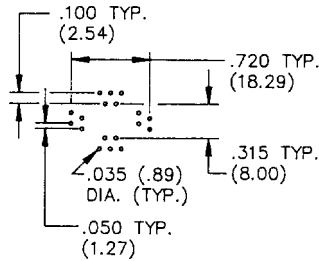
WELLS BURN-IN/TEST SOCKETS

SERIES 647 PLCC FOOTPRINTS

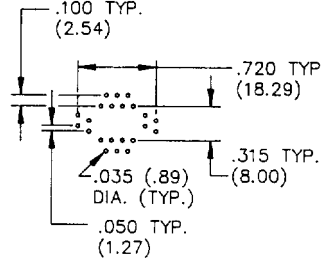
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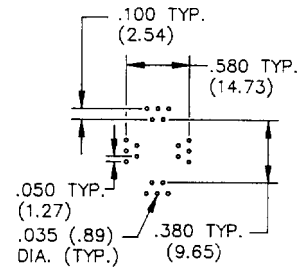
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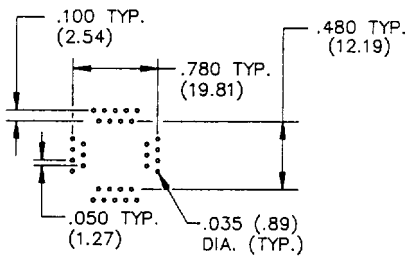
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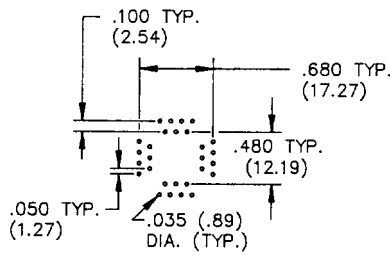
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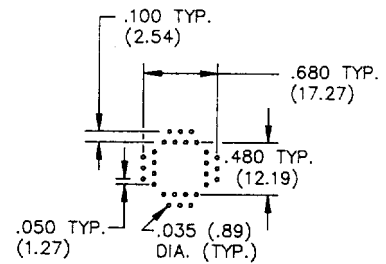
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Part No. 647-0321912



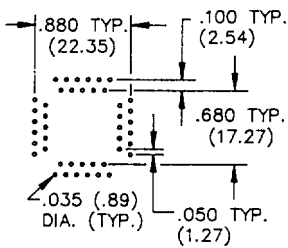
28 LEAD (STANDARD)
Part No. 647-1281912



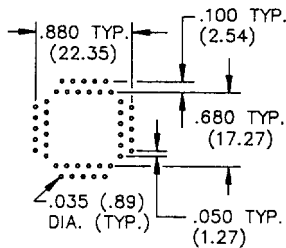
28 LEAD (OPTIONAL)
Part No. 647-1281912-004



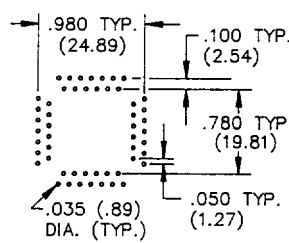
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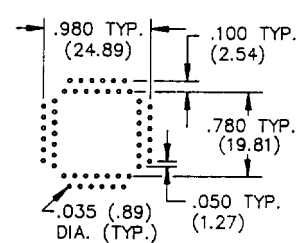
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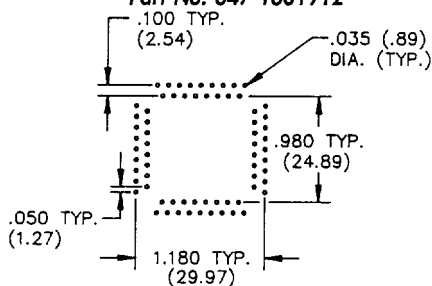
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Part No. 647-1521912



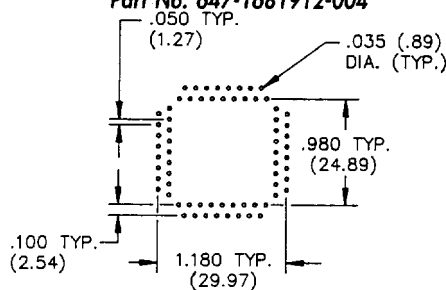
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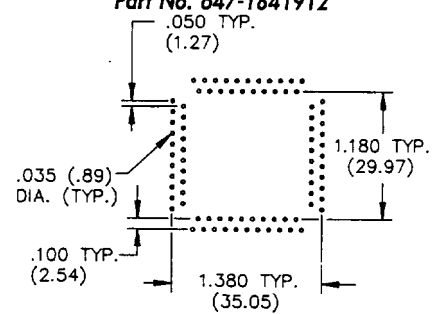
68 LEAD (STANDARD)
Part No. 647-1681912



68 LEAD (OPTIONAL)
Part No. 647-1681912-004



84 LEAD (STANDARD)
Part No. 647-1841912



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