



PLCC EMULATOR PLUGS

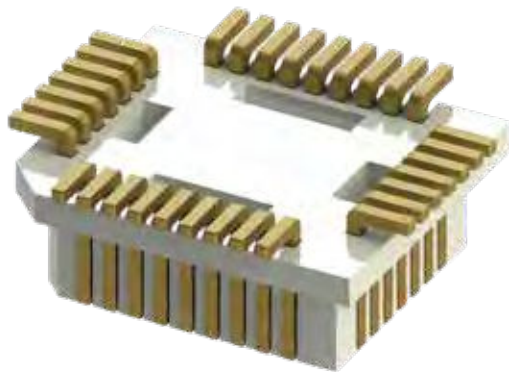
DATA SHEET

PLCC Emulator Plugs are used for printed circuit board adapters that mate with production PLCC sockets to deliver a mechanically stable electrical connection. The PLCC Plugs are available in surface mount or thru-hole.

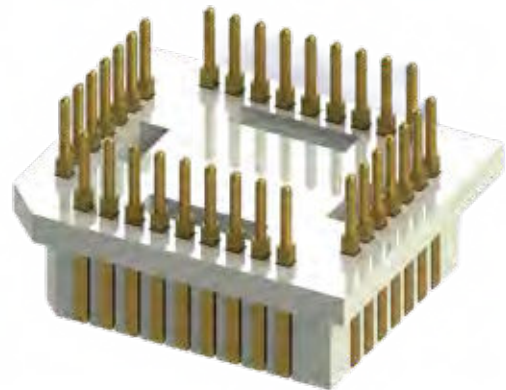
Available Pin Counts:

- PLCC-20
- PLCC-28
- PLCC-32
- PLCC-44
- PLCC-52
- PLCC-68
- PLCC-84

COMMON STYLES:



SMT (LARGE OUTLINE)



THRU-HOLE

****Please note that the insulator was historically manufactured from Questa. This material is now obsolete and will be phased out once stock is depleted****

The new insulator will be manufactured from Stanyl which is a higher grade plastic, suitable for RoHS compliant reflow temperatures (see last page for details). The colour of the insulator will change from black (Questa) to natural (Stanyl)



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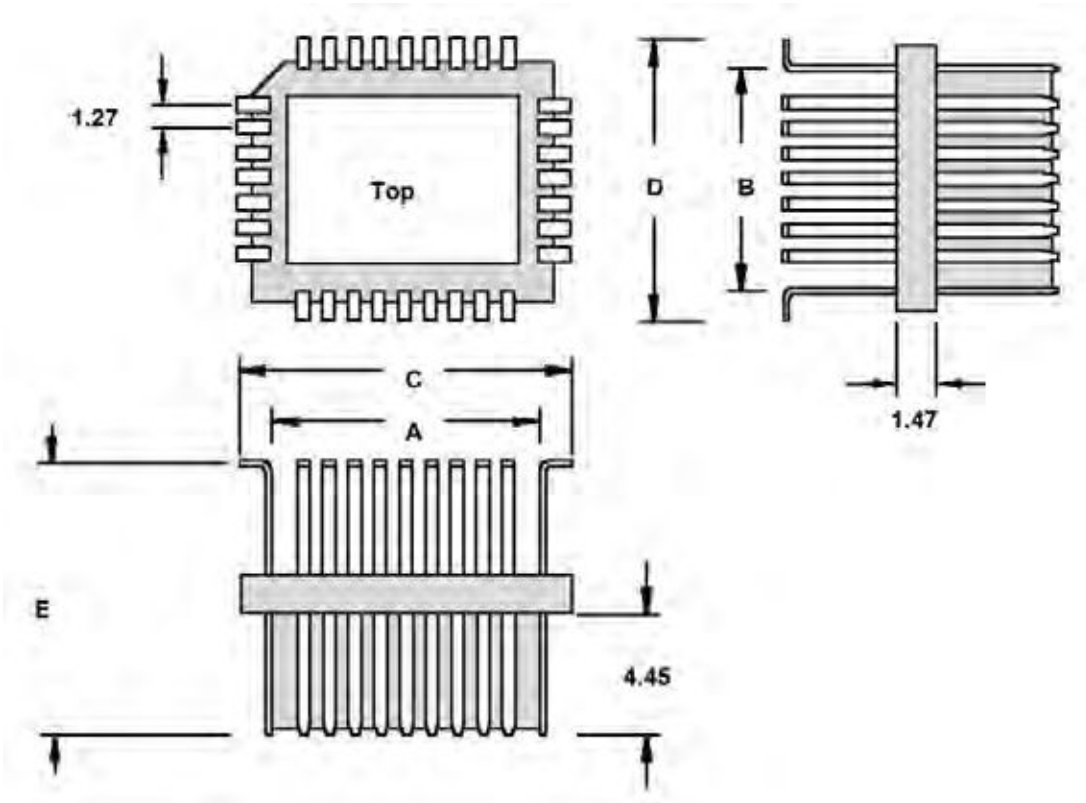


P:209 839 0200
F:209 839 0235



PLCC EMULATOR PLUGS

Large Footprint SMT Emulator Plugs



Number of pins shown is for illustration only. Plugs with longer pins may use two mouldings.

Adapter Dimensions in Millimeters

Part Number	PLCC Pins	A	C	D	B
APW-9322	20	8.7	15	15	8.7
APW-9323	28	11.15	17.4	17.4	11.15
APW-9324	32	13.6	19.9	17.4	11.02
APW-9325	44	16.4	22.5	22.5	16.4
APW-9326	52	18.9	25.1	25.1	18.9
APW-9327	68	23.9	30.1	30.1	23.9
APW-9328	84	28.9	35.2	35.2	28.9

Pin Variations

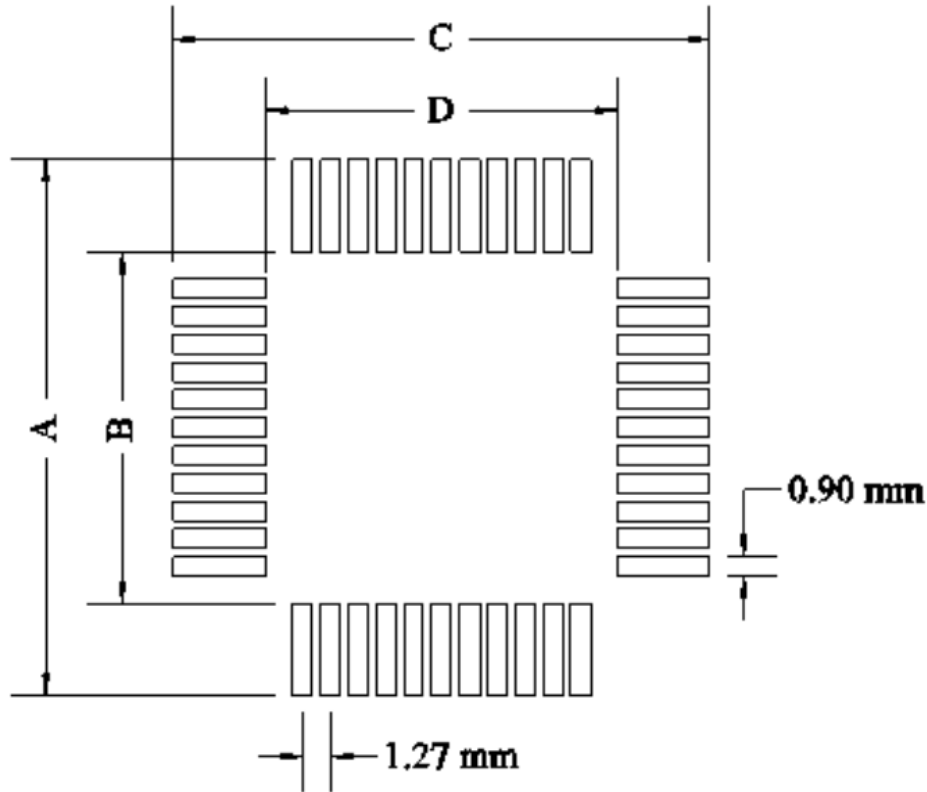
SUFFIX: PIN LENGTH	E
-ZC138	10.2
-ZC158	9.3
-ZC160	7.2
No Suffix	15.5



PLCC EMULATOR PLUGS

Reccomended layout

PLCC Plug (Large Outline) recommended pad layouts



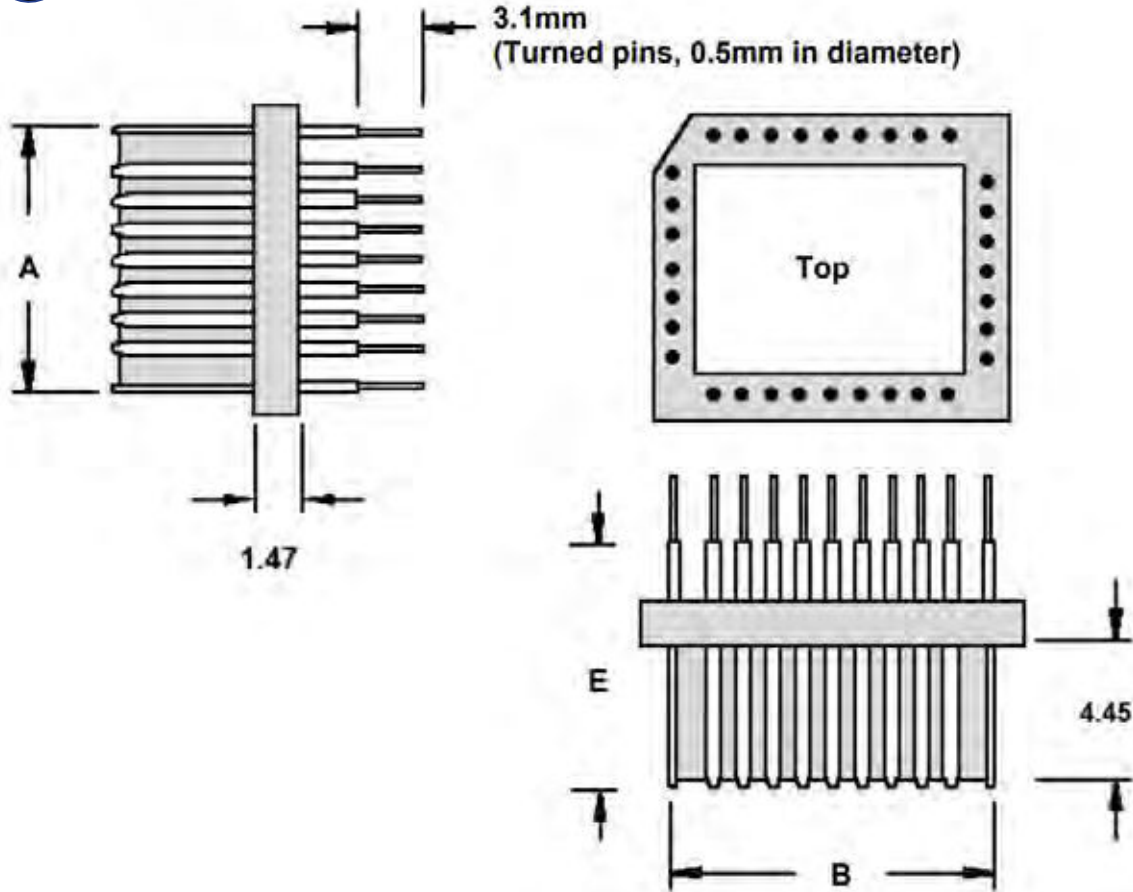
Part Number	PLCC Pins	A	B	C	D
APW-9322	20	16.3	7.2	16.3	7.2
APW-9323	28	18.8	9.7	18.8	9.7
APW-9324	32	18.8	9.7	21.3	12.2
APW9325	44	23.9	14.8	23.9	14.8
APW9326	52	26.4	17.3	26.4	17.3
APW9327	68	31.5	22.4	31.5	22.4
APW9328	84	36.6	27.5	36.6	27.5

All dimensions in millimeters unless otherwise specified All information may be subject to change without prior notice



PLCC EMULATOR PLUGS

Thru-Hole



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Adapter Dimensions in Millimeters

Part Number	PLCC Pins	A	B
APW-9300	20	8.7	8.7
APW-9301	28	11.15	11.15
APW-9302	32	13.6	11.02
APW-9303	44	16.4	16.4
APW-9304	52	18.9	18.9
APW-9305	68	24.5	24.5
APW-9306	84	28.9	28.9

Pin Variations

SUFFIX: PIN LENGTH	E
-ZC168	6.8
-ZC185	8.3
-ZC187	9.6
-ZC189	15.5
NO SUFFIX	11.7

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PLCC EMULATOR PLUGS

Material Properties and Reflow Solder Profile

Heat deflection temp: 290°C
Continuous use temp: 163°C @ 5000 hrs
Relative temp index: 140°C
Minimum operating temp: -40°C
Flammability rating: UL94V-0

Pin material: Half hard brass
Plating material: Au flash

Moisture absorption >0.5% baking required of 100 hours @ 80°C or 24 hours @ 105°C

These connectors are typically mounted by hand and wave soldering processes. However these connectors can also be mounted by reflow.

