

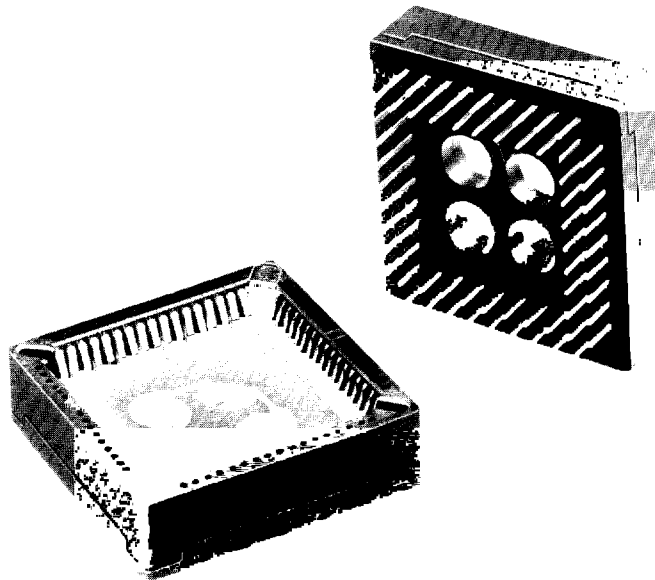


BURNDY

an FCI Company

CHIP CARRIER SOCKET

FOR PLASTIC LEADED CHIP CARRIERS



- Exclusive GTH™ contact system; copper alloy contacts for dependable performance.
- Transition connector; adapts .050 high density chip carrier to conventional .100 board hole spacing.
- UL 94 V-O rated thermoplastic housing.
- No retention cover required. Chip carrier operates cooler, lasts longer.
- Will accommodate packages conforming to E.I.A./Jedec standards for leaded plastic chip carriers.

700SNRNDY
BURNS004

Reliability with Excellent Value and Performance

The chip carrier socket features the patented and proven GTH™ contact system; a unique contact geometry and tin alloy plating that together form a gas-tight, high-pressure interconnection system as reliable as much more expensive gold-plated systems. Temperature life tests performed in accordance with EIA specification 540A000 resulted in a less than 10 milliohm contact resistance change when subjected to test conditions of 85° C for 1,000 hours. The socket will accommodate most packages conforming to E.I.A./Jedec standards for leaded plastic chip carriers.

Trouble-Free Installation

Nothing has been overlooked to assure a positive installation. The closed bottom prevents solder bridging or wicking. An open center and corner stand-offs provide for easy removal of any flux residue left over from the assembly operation.

Very important! No problem with board holes on .050 centers. The new socket design converts the .050 centers found on plastic molded chip carriers to conventional .100 board hole spacing. Tapered solder tails permit fast insertion into PC board through holes.

Design Features

Molded-in probe holes provide access for testing. Dual polarization indicators assure positive chip carrier alignment. No retention cover is ever required. As a result, chip carriers operate cooler, last longer.

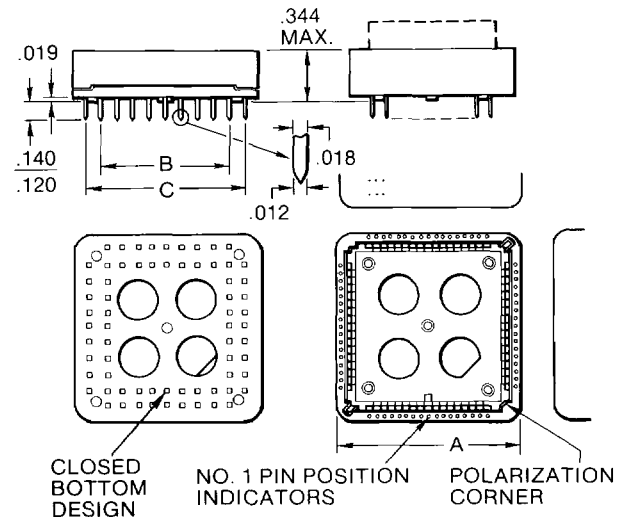
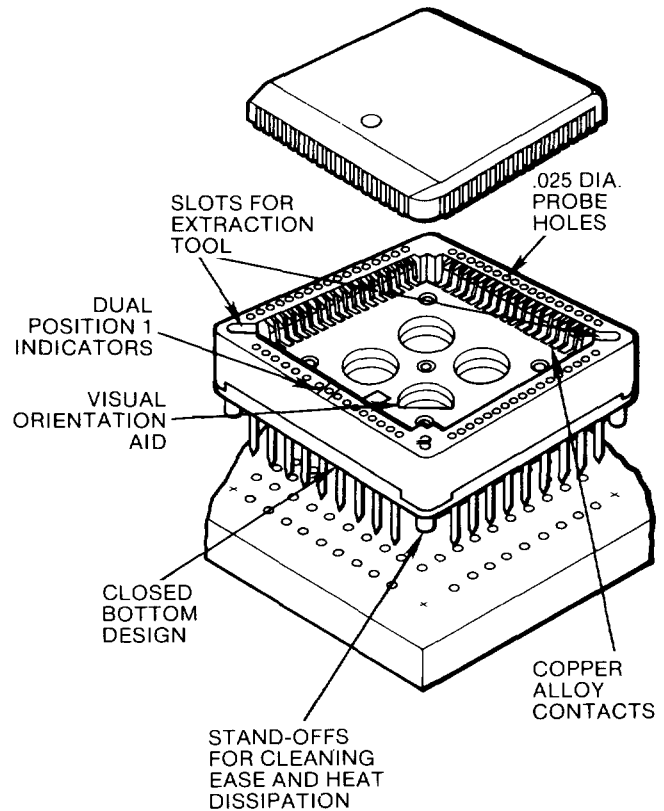
Material

Connector Body: Glass reinforced thermoplastic; UL 94 V-O rated

Contact: Copper alloy

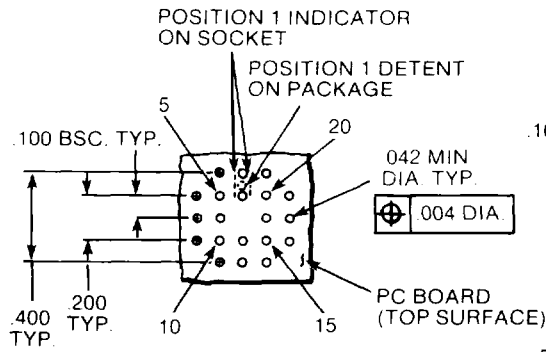
Contact Finish: Tin-alloy postplated

Process Temperature Range: -55° C to 125° C with hi-temp plastic

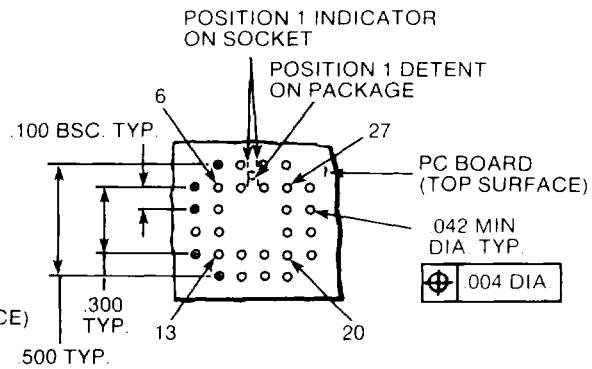


Catalog Number	Number of Contacts	Dimensions		
		A Max	B Max	C Max
QILE20P-410T	20	.600	.200	.400
QILE28P-410T	28	.700	.300	.500
RILE32P-410T	32	See foot print page 8-9.		
QILE44P-410T	44	.900	.500	.700
QILE52P-410T	52	1.000	.600	.800
QILE68P-410T	68	1.200	.800	1.000
QILE84P-410T	84	1.400	1.000	1.200

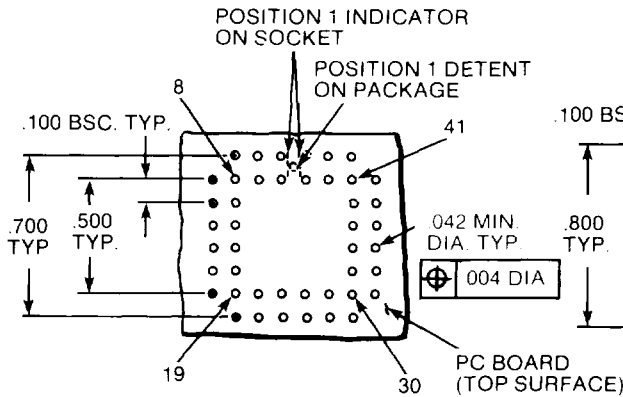
QILE 20 Position



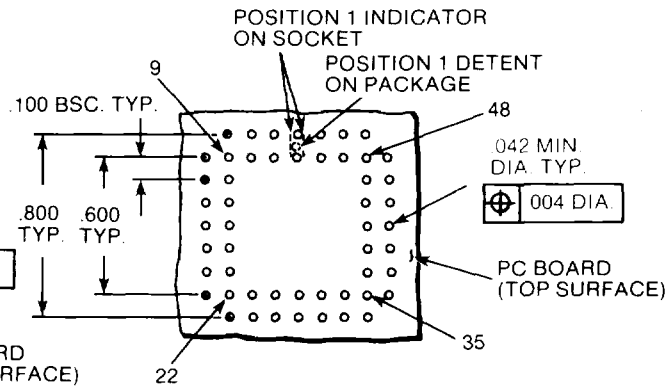
QILE 28 Position



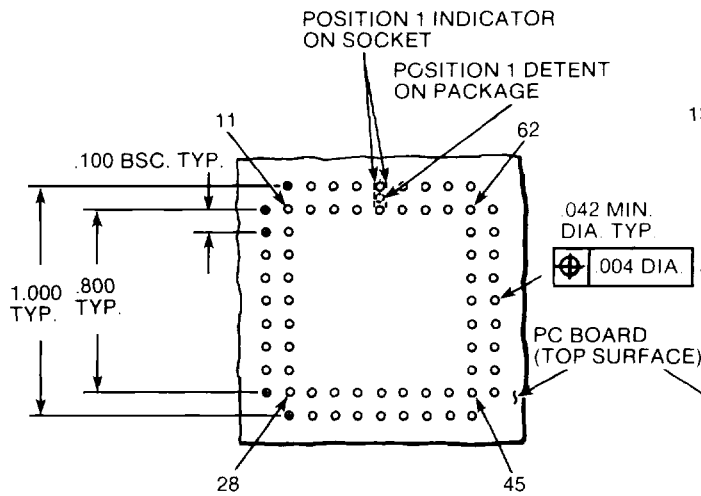
QILE 44 Position



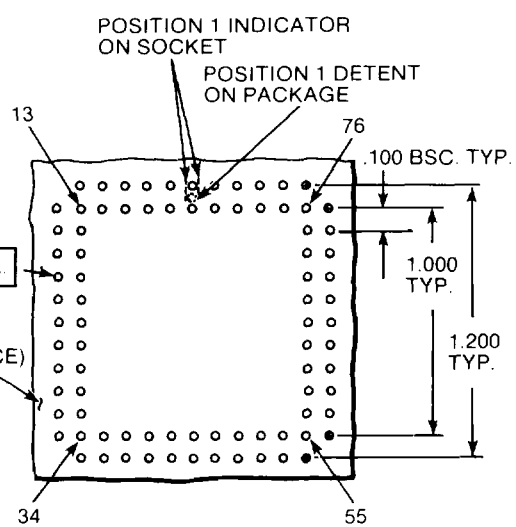
QILE 52 Position



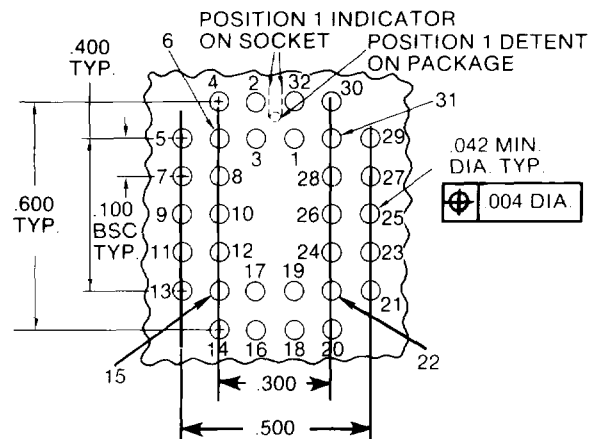
QILE 68 Position

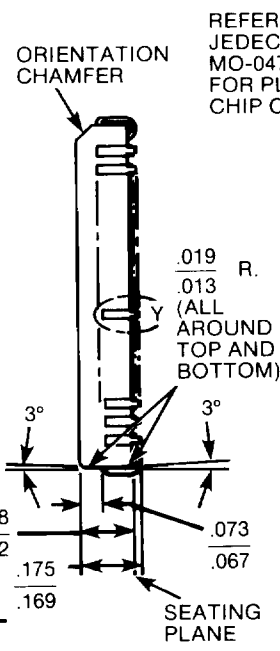
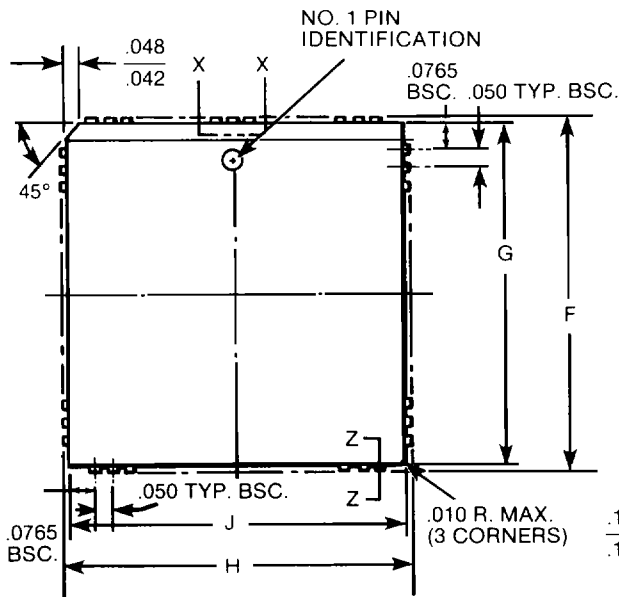


QILE 84 Position

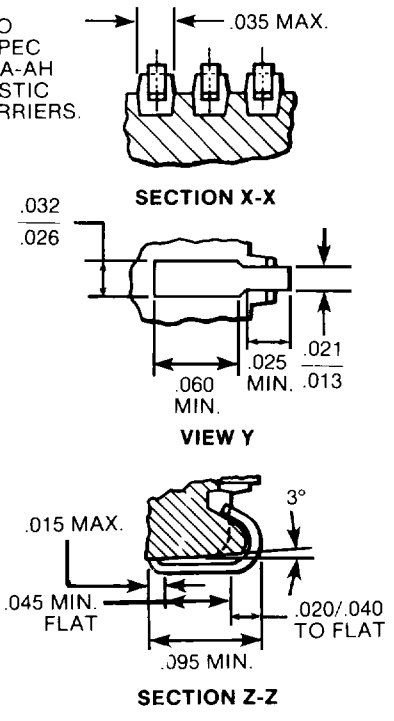


RILE 32 Position





REFER TO JEDEC SPEC MO-047AA-AH FOR PLASTIC CHIP CARRIERS.



Size	Dimensions			
	F	G ±.003	H	J ±.003
20	.390	.353	.390	.353
28	.490	.453	.490	.453
32	.590	.553	.490	.453
44	.690	.653	.690	.653
52	.790	.753	.790	.753
68	.990	.953	.990	.953
84	1.190	1.153	1.190	1.153

THE BEST CHIP EXTRACTION TOOL IN THE BUSINESS!

Foolproof. Easy to use. Convenient. One tool does it all. Accommodates full range of chip sizes.

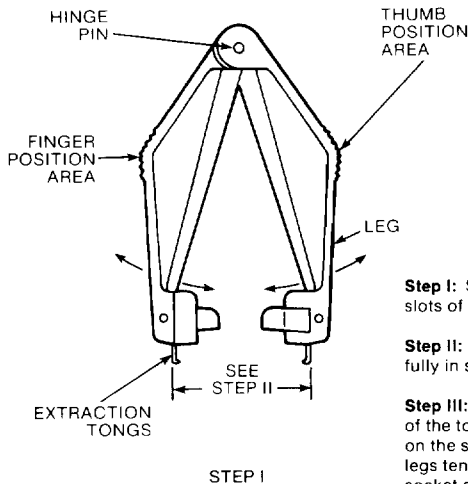
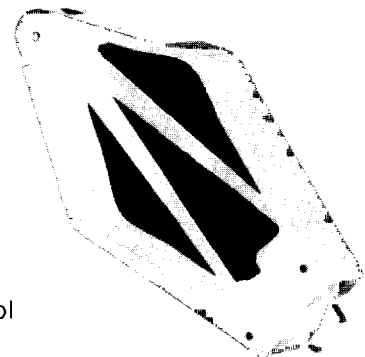
Operating Instructions

This extraction tool fits all sizes of four-sided leaded chip carriers (leads on 50 mil centers), from 20 through 84 position. Follow Steps I, II, and III to use the tool. Order catalog no. QILEXT-1.

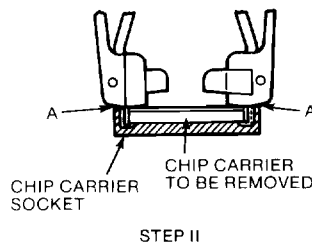
DO NOT try to pull chip carrier out of socket, let the tool action pull it out.

DO NOT squeeze harder than necessary, only enough that the tool action occurs.

CHIPAK
Extraction Tool
QILEXT-1



STEP I

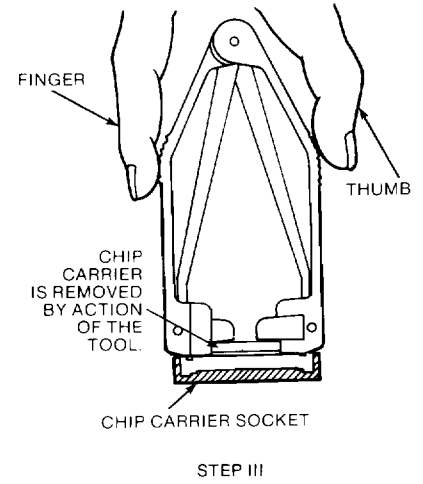


STEP II

Step I: Spread or compress the tool legs so the tongs will fit into the slots of the chip carrier socket.

Step II: Insert the tool tongs into the slots of the carrier socket. Push fully in so that the tool butts on the socket at "A."

Step III: Place the thumb and the 1st or 2nd finger on the ribbed area of the tool. Maintain a small downward force to keep the tool butted on the socket. Squeeze the thumb and finger together so that the tool legs tend to straighten. This action will draw the chip carrier out of the socket and grip it within the tool legs. Maintain the squeezing action so as to hold the chip in the tool, hold the tool over your other hand and relax the squeeze: the chip will fall out of the tool and into your hand.



STEP III