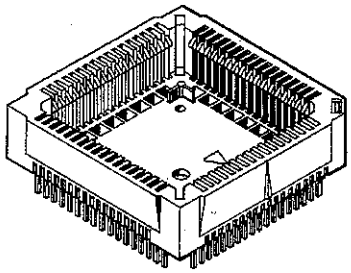
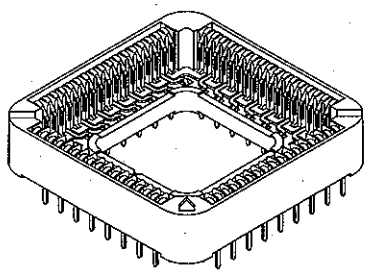
Cross Reference — HPT to PLCC

Plastic Leaded Chip Carrier Sockets



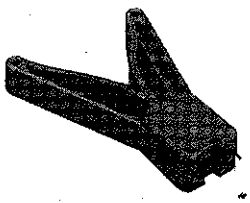
HPT



PLCC

No. of Pos.	Description	HPT Solder Tail Part Number	Equivalent PLCC Solder Tail Part Number
28	Metal Standoffs	821581-1	822437-1
28	Plastic Standoffs	821702-1	822437-1
32	Metal Standoffs	821665-1	822437-2
32	Plastic Standoffs	821684-1	822437-2
44	Metal Standoffs	821575-1	822437-3
44	Plastic Standoffs	821688-1	822437-3
52	Metal Standoffs	821551-1	822437-4
52	Plastic Standoffs	821739-1	822437-4
68	Metal Standoffs	821574-1	822437-5
68	Plastic Standoffs	821689-1	822437-5
84	Metal Standoffs	821573-1	822437-6
84	Plastic Standoffs	821690-1	822437-6

Plastic Leaded Chip Carrier Extraction Tools



No. of Pos.	HPT Solder Tail Part Number	Equivalent PLCC Solder Tail Part Number
28	822045-1	822045-1
32	821980-1	821980-1
44	821981-1	821981-1
52	822049-1	822049-1
68	822026-1	822026-1
84	822268-1	822268-1

All Purpose Extraction
(Not for use with HPT Sockets)
Tool Part No. 822154-1

Features and Benefits

Feature	Benefit
• Positive contact design	• Prevents package "popout"
• High normal force contacts — above 200 grams	• Design provides optimum mating and retention of plastic leaded chip carrier and maintains reliable interconnection during life of the sockets
• Low profile socket height of .276" off pc board	• Allows tighter board spacing and clearance between boards
• Uniform solder tail heights with chamfered post tips	• Permits easier insertion into printed circuit board
• Rigid Solder Tails	• Protects against damage in handling and insertion into printed circuit board
• Single-piece housing	• Prevents flux and solvent entrapment
• PCT housing material	• Allows wave solder or infrared processing
• Visual aids for registration	• Easy orientation of plastic leaded chip carrier
• Open bottom in center of housing	• Allows inspection or repair of components beneath socket
• Plastic housing standoffs	• Provides clearance for heat dissipation and cleaning operations
• Housing slots	• Provides easy access for standard plastic leaded chip carrier extraction tools and all purpose extraxtion tool — AMP Part No. 822154-1
• Top loaded contacts	• Eliminates the potential of solder bridging
• Closed bottom housing design on socket periphery	• Eliminates the potential of solder wicking in processing
• Accepts JEDEC plastic chip carriers made to MS-016 (rectangular packages) and MS-018 (square packages)	• Permits product standardization
• Heat age tested to 105°C for 1000 hours	• Proves long term reliability of contact design

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