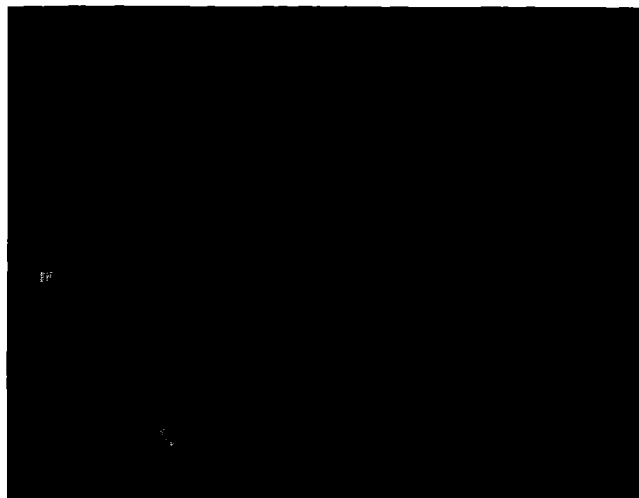


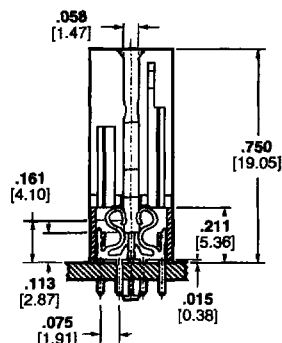
SIMM Sockets — Dual Read-Out (DIMM)

Product Facts

- Increased lead-in geometry to reduce insertion force
- Built-in module extraction feature
- Module stabilization features
- Gold-gold contact system
- .050 x .075 [1.27 x 1.91] hole pattern
- Cleaning channels and slots
- Sizes up to 100 positions
- Single and dual housings available
- Accepts modules from .600 [15.24] up to 2.000 [50.8] high
- .300 [7.62] module centers (row-to-row spacing)
- .600 [15.24] housing centers for dual housing systems
- Accepts .050±.004 [1.27±0.01] thick modules
- Full force wipe with insertion of module
- Socket polarized to accept module orientation
- Automatic insertion capability
- Socket-to-board hold-down features
- Recognized under the Component Program of Underwriters Laboratories Inc., File No. E28476
- Certified by Canadian Standards Association, File No. LR 7189



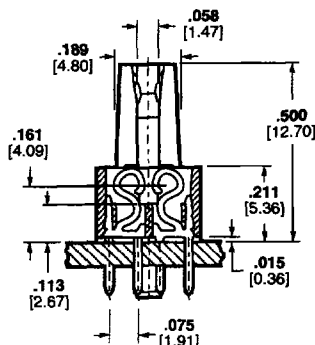
.050 [1.27] Centerline Single Row



Note: 68 Pos. Housing Dim. (Typ.)—4.350 [110.49] L x .297 [7.54] W x .750 [19.05] H

No. of Pos.	No Center Key			.062 [1.57] Center Key
	Extractor Left	Extractors Left/Right	No Extractors	Extractor Left
52	5-382617-2	5-382781-2	5-382784-2	5-382759-2
64	6-382617-4	6-382781-4	6-382784-4	6-382759-4
68	6-382617-8	6-382781-8	6-382784-8	6-382759-8
72	7-382617-2	7-382781-2	7-382784-2	7-382759-2
80	8-382617-0	8-382781-0	8-382784-0	8-382759-0
100	382617-1	382781-1	382784-1	382759-1

.050 [1.27] Centerline Single Row High Air Flow



Note: 68 Pos. Housing Dim. (Typ.)—4.350 [110.49] L x .297 [7.54] W x .500 [12.70] H

No. of Pos.	Keying		
	No Key	.062 [1.57] Center	2 mm Left Center
52	5-382762-2	5-382790-2	5-382765-2
56	—	—	5-382765-6
64	6-382762-4	6-382790-4	6-382765-4
68	6-382762-8	6-382790-8	6-382765-8
72	7-382762-2	7-382790-2	7-382765-2
80	8-382762-0	8-382790-0	8-382765-0
100	382762-1	382790-1	382765-1

SOURCE: Catalog 82172

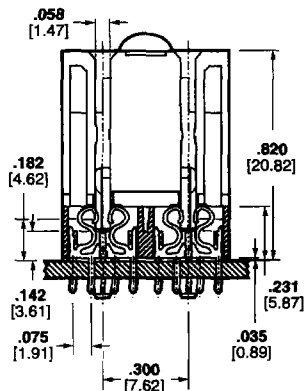
Specifications
subject to change.

1-800-522-6752
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1-800-722-1111
Tooling/Technical Assistance Center

SIMM Sockets — Dual Read-Out (DIMM) .050 [1.27] Centerline

Dual Row



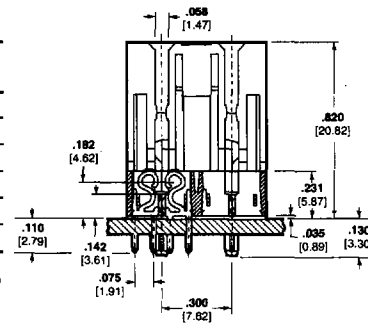
Note: 72 Pos. Housing Dim. (Typ.)—4.550
[115.57] L x .597 [15.16] W
x .820 [20.82] H

No. of Pos. ¹	Part Numbers
64	6-382580-4
68	6-382580-8
72	7-382580-2
80	8-382580-0
100	382580-1
100	382613-1 ²

¹Number of positions per row.

²Housing material is high temperature LCP

Video Card Extender



Note: 144 Pos. Housing Dim. (Typ.)—
2.400 [60.96] L x .597 [15.16] W
x .820 [20.82] H

No. of I/O	Housing Material	Part Numbers
	LCP	382610-1
144	High Temp. LCP	382615-1

SIMM Sockets — 8 Byte Dual In-Line Memory Module (DIMM)

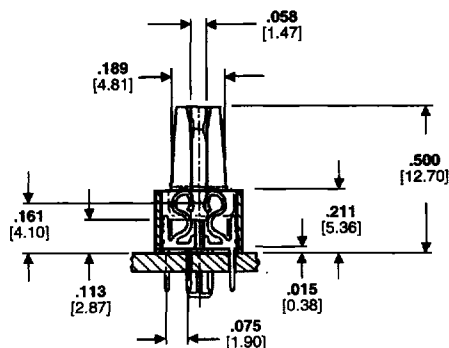
Product Facts

- Sockets Dual Read-Out SIMM boards
- Increased lead-in geometry to reduce insertion force
- Enhanced built-in lever-type module extractors
- Module stabilization features
- Gold-gold contact system
- .050 x .075 [1.27 x 1.91] hole pattern
- Cleaning channels and slots
- Full force wipe with insertion of module

- Multiple keying possibilities
- Positive retention feature available
- Automatic insertion capability
- Socket-to-board hold-down features
- Recognized under the Component Program of Underwriters Laboratories Inc., File No. E28476
- Certified by Canadian Standards Association, File No. LR 7189



Socket with Standard Extractors



Note: Housing Dim. (Typ.)—5.550 [140.97] L x .297 [7.54] W x .500 [12.70] H

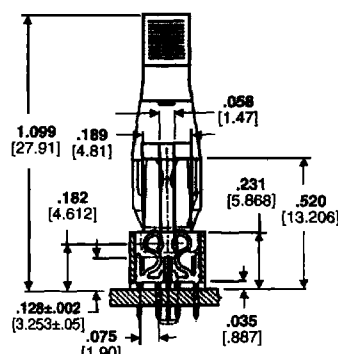
Module Keying Configuration	Key No. 1	Key No. 2	Extraction Lever Position	
			Both Ends	Right End Only
Std. DRAM, 5 Volt	Detail A	Detail B	382830-1	382826-1
Sync. DRAM, 5 Volt	Detail B	Detail B	382830-2	382826-2
Non-Std. DRAM, 5 Volt	Detail C	Detail B	382830-3	382826-3
Std. DRAM, 3.3 Volt	Detail A	Detail A	382830-4	382826-4
Sync. DRAM, 3.3 Volt	Detail B	Detail A	382830-5	382826-5
Non-Std. DRAM, 3.3 Volt	Detail C	Detail A	382830-6	382826-6
Std. DRAM, X.X Volt	Detail A	Detail C	382830-7	382826-7
Sync. DRAM, X.X Volt	Detail B	Detail C	382830-8	382826-8
Non-Std. DRAM, X.X Volt	Detail C	Detail C	382830-9	382826-9

Note: Order customer drawings for module keying configurations.

SIMM Sockets — 8 Byte Dual In-Line Memory Module (DIMM)

(Continued)

Socket with Module-Locking Extractors



Note: Housing Dim. (Typ.)—5.550 [140.97] L x .297 [7.54] W x 1.099 [27.91] H

Module Keying Configuration	Key No. 1	Key No. 2	Part No.
Std. DRAM, 5 Volt	Detail A	Detail B	382824-1
Sync. DRAM, 5 Volt	Detail B	Detail B	382824-2
Non-Std. DRAM, 5 Volt	Detail C	Detail B	382824-3
Std. DRAM, 3.3 Volt	Detail A	Detail A	382824-4
Sync. DRAM, 3.3 Volt	Detail B	Detail A	382824-5
Non-Std. DRAM, 3.3 Volt	Detail C	Detail A	382824-6
Std. DRAM, X.X Volt	Detail A	Detail C	382824-7
Sync. DRAM, X.X Volt	Detail B	Detail C	382824-8
Non-Std. DRAM, X.X Volt	Detail C	Detail C	382824-9

Note: Order customer drawings for module keying configurations.

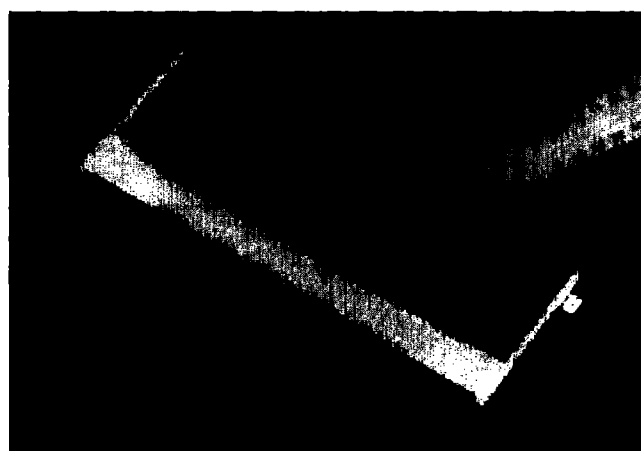
SIMM Sockets—Mini Memory Module (M3), Surface Mount (DIMM)

Product Facts

- Surface mount
- Half the board space as standard SIMM
- Right-angle configuration
- Low profile — only 5.5 mm height above pc board
- Keying feature reduces mating errors
- Cam-in loading

72-Position Staggered Dual Row

Part No.	
177827-1	3.3V Gold
177827-2	3.3V Tin
177827-3	5.0V Gold
177827-4	5.0V Tin

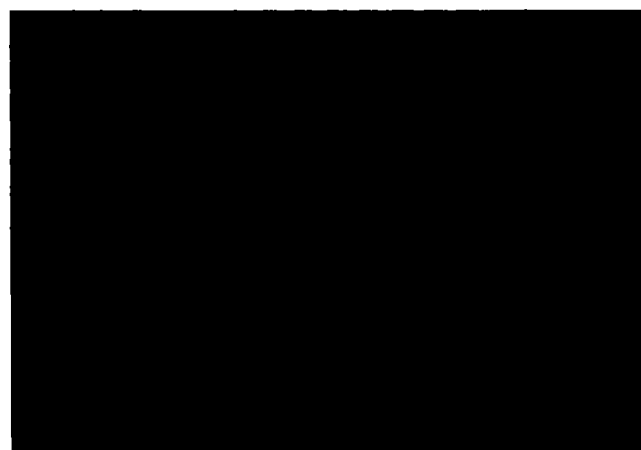


PLCC Sockets — High Pressure Tin (HPT) with Solder Tails

Product Facts

- Positive locking contact design prevents package "popout"
- High normal force contacts — above 200 grams to provide optimum mating and retention of PLCC's and maintain reliable interconnection
- Post-plated contacts
- Staggered solder tail heights permit easy insertion into pc board
- Rigid solder tails protect against damage in handling and insertion
- Single-piece housing for easy removal

- Visual aids for registration
- Holes for drainage
- Standoffs provide clearance for heat dissipation and cleaning
- Bottom loaded contacts for inspection and repair
- Accepts JEDEC PLCC's — MS-018
- Recognized under the Component Program of Underwriters Laboratories Inc., File No. E28476
- Certified by Canadian Standards Association, File No. LR7189
- Free 3D and 2D CAD images— See page 56



SOURCE: Catalog 82172

Specifications
subject to change.

1-800-522-6752
Product Information Center/ AMP FAX Service

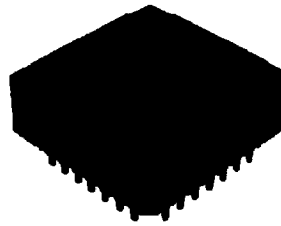
1-800-722-1111
Tooling/Technical Assistance Center

11017

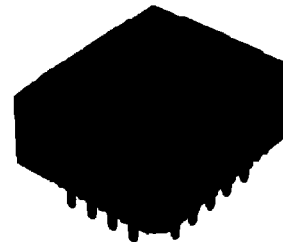


PLCC Sockets — High Pressure Tin (HPT) with Solder Tails

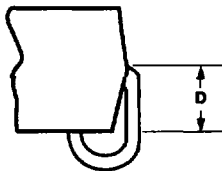
(Continued)



Square



Rectangular



Note: 44 Pos. Housing Dim. (Typ.)—.885 [22.44] L x .870 [22.10] W x .360 [9.14] H

No. of Pos.	Package Configuration	PLCC Dim. D		With Plastic Polarizing Pin
		.055 – .075 [1.40 – 1.91]	.070 – .090 [1.78 – 2.29]	
20	Square	821815-1	—	—
28	Square	821581-1	821581-3	—
32	Rectangular	821665-1	—	822147-1
44	Square	821575-1	821575-3	822148-1
52	Square	821551-1	821739-3	—
68	Square	821574-1	821574-3	822149-1
84	Square	821573-1	821573-3	822150-1

Note: Tube packaged part numbers available upon request.

Extraction Tools

The extraction tools provide a quick and easy method of removing the chip carriers from solder tail sockets.



A



B

Socket Type	No. of Pos.	Tool Style	Tool Part No.
Square	20	B	821903-6
Square	28	B	821903-5
Rectangular	32	B	821903-1
Square	44	A	821591-1
Square	52	A	821648-1
Square	68	A	821566-1
Square	84	A	822268-1
Square	28	A	821900-1
Rectangular	32	A	821980-1

PLCC Sockets — Low Profile, Surface Mount

Product Facts

- Low Profile — only .185 [4.7] max. for high density pc board stacking
- Compatible footprint allows for socket or direct mounting
- Housing slots accept extraction tool for easy PLCC removal
- Pin 1 indicator and corner chamfer for PLCC orientation
- Available with or without polarizing pins, loose piece or tape mounted
- High normal force contacts prevent fretting corrosion
- Plastic standoffs provide clearance for heat dissipation and cleaning operations
- Polyphenylene sulfide housings will withstand high temperature soldering
- Open bottom housing for convenient placement of socket on pattern, 100% inspection of solder joint, solder joint repair without housing removal, and penetration of heat source to the solder pad and surface mount contact
- Top contact slots allow test probing with PLCC device in place
- Recognized under the Component Program of Underwriters Laboratories Inc., File No. E28476
- Certified by Canadian Standards Association, File LR 7189A-97
- Free 3D and 2D CAD images— See page 56



Square Sockets — 20, 28, 44, 52, 68 and 84

Extraction Tools

No. of Pos.	Part Number
20	822011-1
28	822045-1
44	821981-1
52	822049-1
68	822026-1
84	822268-1

Note: 44 Pos. Housing Dim. (Typ.)—.865 [21.97] L x .865 [21.97] W x .180 [4.57] H

No. of Pos.	Standard			Low Insertion Force		
	Without Locating Posts	With Locating Posts	Tape Mounted Without Locating Posts	Without Locating Posts	With Locating Posts	Tape Mounted Without Locating Posts
20	822014-3	822065-4	822050-3	822269-1	822270-1	3-822269-1
28	822039-3	822066-4	822071-3	822271-1	822272-1	3-822271-1
32	See below					
44	821979-3	822068-4	822035-3	822275-1	822276-1	3-822275-1
52	822041-3	822069-4	822072-1	822277-1	822278-1	3-822277-1
68	822029-3	822070-4	822073-3	822279-1	822280-1	3-822279-1
84	822151-1	822152-1	822180-1	822281-1	822282-1	3-822281-1

Extraction Tool
Part No. 821980-1
(for 32 Pos. only)



All Purpose Tool
Part No. 822154-1



Rectangular Socket — 32 Positions

Note: 32 Pos. Housing Dim. (Typ.)—.765 [19.43] L x .665 [16.89] W x .140 [3.56] H

No. of Pos.	Standard			Low Insertion Force		
	Without Locating Posts	With Locating Posts	Tape Mounted Without Locating Posts	Without Locating Posts	With Locating Posts	Tape Mounted Without Locating Posts
32	821977-1	822067-2	822034-1	822273-1	822274-1	3-822273-1

Extraction Tool
Part No. 821980-1



All Purpose Tool
Part No. 822154-1



SOURCE: Catalog 82172

Specifications
subject to change.

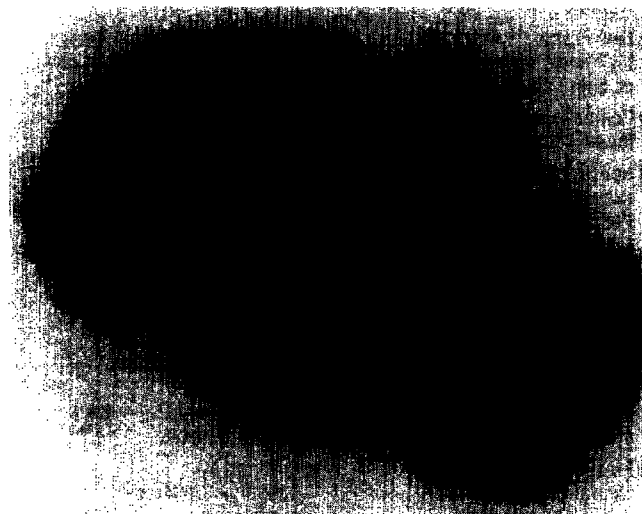
1-800-522-6752
Product Information Center/ AMP FAX Service

1-800-722-1111
Tooling/Technical Assistance Center

PLCC Sockets — Low Profile SOJ-Style Surface Mount Sockets

Product Facts

- Low insertion force
- Single-piece, low profile (under .185 [4.70]) polyphenylene sulfide housing will withstand vapor phase or infrared soldering temperatures and prevents flux and solvent entrapment
- High normal force contacts prevent fretting corrosion
- Plastic standoffs provide clearance for heat dissipation and cleaning operations
- Open bottom housing permits:
 - Easy placement of socket on footprint pattern
 - 100% inspection of solder joint
 - Solder joint repair without removing housing
 - Heat sources penetrate to the solder pad and surface mount contact
- Slots to accept PLCC extraction tool
- Contacts can be probed with PLCC device in place
- Pin 1 indicator
- Footprint compatible for socket or direct attachment
- Recognition under the Component Program of Underwriters Laboratories Inc. pending
- Certification by Canadian Standards Association pending



.400 [10.16] Centerline

Note: 32 Pos. Housing Dim. (Typ.)—1.115 [28.32] L x .646 [16.41] W x .185 [4.70] H

No. of Pos.	Without Locating Pins		With Locating Pins
	Tube Packaged	Tape Mounted	Tube Packaged
28	822361-2	3-822361-2	822363-2
32	822362-2	3-822362-2	822364-2
40	822265-2	3-822265-2	822267-2
42	822378-1	3-822378-1	—
44	822393-1	3-822393-1	—

.300 [7.62] Centerline

Note: 32 Pos. Housing Dim. (Typ.)—1.115 [28.32] L x .546 [13.87] W x .180 [4.57] H

No. of Pos.	Without Locating Pins	
	Tube Packaged	Tape Mounted
28	822372-1	3-822372-1
32	822374-1	3-822374-1

Extraction Tool

This tool is designed to remove plastic leaded chip carriers from AMP Low Profile Surface Mount Sockets, including the 40-position SOJ-style shown here. The tool is contoured for insertion into either of two extraction cavities on the chip carrier socket.



Part No. 822154-1