

SIP Headers and Receptacles

— NEW —



- ▶ Single or Double Row with Screw Machine Contacts
- ▶ Receptacles Available with Solder or Press Fit Tails
- ▶ Stackable End to End or Side to Side

978-3001. SIP1X32-41B. SIP Socket, Elevated. 1-24	EACH	1.07
25-99	EACH	.95
100-499	EACH	.92
978-3002. SIP1X31-11B. SIP Socket, Screw Machine. 1-24	EACH	1.03
25-99	EACH	.97
100-499	EACH	.94

PGA Sockets

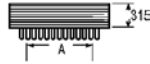
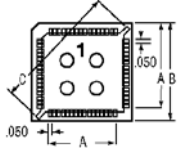
— NEW —



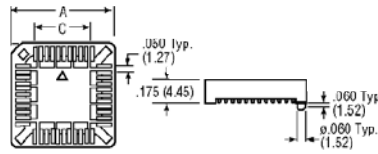
- ▶ Ultra Low Insertion Force Screw Machine Contacts
- ▶ High Temperature Insulators

978-3003. PGA132H012B11414R. PGA Socket Screw Machine. 1-24	EACH	3.16
25-99	EACH	2.95
100-499	EACH	2.90
978-3004. PGA168H008B51706R. PGA Socket Screw Machine. 1-24	EACH	3.95
25-99	EACH	3.65
100-499	EACH	3.59

PLCC Sockets



Surface Mount PLCC Sockets



- ▶ Lowest Profile Available: .175" (4.44 mm)
- ▶ Socket Has Standard JEDEC Mounting Pad Layout
- ▶ May Be Reflow Soldered By All Conventional Processes
- ▶ All Solder Joints Are Inspectable
- ▶ Polarization Notch Ensures Correct Alignment
- ▶ Pick and Place Tab for Automated Assembly Equipment (Add -P to Mfr.'s Type)
- ▶ Packaged in Tubes or Tape and Reel

Insulator: High-temp. PPS, UL94V-0. Contacts: Phosphor bronze. Plating: 150 μ" Tin/40 μ" Nickel. Temperature Range: -55°C to +220°C. Current Rating: 1 amp.

Stock No.	Mfr.'s Type	No. of Leads	Dimension A		Dimension C		EACH		
			In.	mm	In.	mm	1-24	25-99	100-499
978-2100	PLCC-20P-T-SMT	20	0.600	15.24	0.200	5.08	.65	.59	.49
978-2105	PLCC-28P-T-SMT	28	0.700	17.78	0.300	7.62	.65	.59	.49
978-2110	PLCC-32P-T-SMT	32	0.700	17.78	0.400	10.16	.64	.59	.49
978-2115	PLCC-44P-T-SMT	44	0.900	22.86	0.500	12.70	.68	.61	.50
978-2120	PLCC-52P-T-SMT	52	1.000	25.40	0.600	15.24	.66	.61	.54
978-2125	PLCC-68P-T-SMT	68	1.213	30.81	0.800	20.32	1.20	1.10	.91
978-2130	PLCC-84P-T-SMT	84	1.413	35.89	1.000	25.40	1.41	1.28	1.06

PLCC Extraction Tool

Easy to use extraction tool provides positive protection for both socket and device during removal. Two Versions Available: XT-2 for economy and XT-HD for higher performance.

978-2235. TOL PLCC-XT-2. Economy Tool	EACH	19.57
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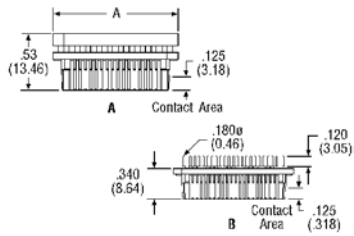
Thru-Hole PLCC Sockets

- ▶ Conforms to EIA JEDEC Outline (Type A) for Plastic Lead Chip Carriers
- ▶ Polarization Indicators Assure Positive Chip Carrier Alignment
- ▶ Closed Bottom Prevents Solder Wicking
- ▶ .310" Above PCB Profile
- ▶ Open Center and Stand-Offs Provide for Cooling and Thorough Cleaning After Soldering

Insulator: High-temp. PPS, UL94V-0. Contacts: Phosphor bronze 5210. Plating: 200 μ" Tin/50 μ" Nickel. Temperature Range: PBT -55°C to +140°C; PPS -55°C to +220°C.

Stock No.	Mfr.'s Type	No. of Leads	Dimension A		Dimension B		Dimension C		EACH		
			In.	mm	In.	mm	In.	mm	1-24	25-99	100-499
978-2200	PLCC-20P-T	20	0.200	5.08	0.613	15.57	0.722	18.34	.53	.48	.40
978-2205	PLCC-28P-T	28	0.300	7.62	0.713	18.11	0.866	22.00	.51	.46	.38
978-2207	PLCC-32P-T	32	0.400	10.16	0.795	20.19	0.929	23.60	.50	.46	.38
978-2210	PLCC-44P-T	44	0.500	12.70	0.913	23.19	1.145	29.08	.58	.52	.44
978-2215	PLCC-52P-T	52	0.600	15.24	1.060	26.92	1.304	33.12	.60	.54	.45
978-2220	PLCC-68P-T-2	68	0.800	20.32	1.217	30.91	1.584	40.23	.67	.61	.51
978-2225	PLCC-84P-T-2	84	1.000	25.40	1.417	35.99	1.865	47.37	.78	.70	.59

Adapters



PGA to PLCC Adapters — Fig. A

Stock No.	Mfr.'s Type	PGA Top	PLCC Bottom	EACH		
				1-24	25-99	100-499
978-2603	ASM 44PGA/PLCC	8 × 8	44	49.82	44.84	37.37
978-2607	ASM 68PGA/PLCC	11 × 11	68	44.37	40.34	34.13
978-2609	ASM 84PGA/PLCC	13 × 13	84	59.90	54.45	46.07

PLCC to PGA Adapters — Fig. B

978-2613	ASM 52PLCC/PGA	9 × 9	52	28.58	25.98	21.99
978-2615	ASM 68PLCC/PGA	11 × 11	68	40.92	37.20	31.48

DIP Socket Series

- ▶ Open Frame: For Easy Inspection of Solder Joints and Better Air Flow
- ▶ Closed Bottom Contacts: Prevents Flux Intrusion and Solder Wicking
- ▶ Stackability: X and Y Stackable
- ▶ BeCu Inner Contact: For Optimal Electrical and Mechanical Performance
- ▶ Accommodates: 6-64 DIP ICs with 0.015" to 0.022" Diameter Leads



Contact Specification

All types on this page have an inner clip of beryllium copper alloy 172 with a plating of gold over nickel. The outer sleeve is 1/2 hard brass alloy with tin plating.

Contact Type	Tail Style	Length Inches	Above PCB Height
001B	Solder Tail	0.125	0.165
054B	Solder Tail	0.180	0.165
411B	Wire Wrap	3-Level	0.193

0.125 Solder Tail-Gold/Tin Sleeve

Stock No.	Mfr.'s Type	No. of Positions	Length		Width		EACH		
			In.	mm	In.	mm	1-24	25-99	100-499
978-1005	DIP-306-001B	6	0.299	7.60	0.399	10.14	.41	.37	.30
978-1010	DIP-308-001B	8	0.399	10.14	0.399	10.14	.39	.33	.28
978-1015	DIP-314-001B	14	0.699	17.76	0.399	10.14	.58	.48	.41
978-1020	DIP-316-001B	16	0.799	20.32	0.399	10.14	.53	.44	.38
978-1025	DIP-318-001B	18	0.899	22.84	0.399	10.14	.53	.48	.40
978-1030	DIP-320-001B	20	0.999	25.37	0.399	10.14	.69	.63	.52
978-1040	DIP-324-001B	24	1.199	30.45	0.399	10.14	.71	.64	.53
978-1045	DIP-328-001B	28	1.399	35.55	0.399	10.14	.82	.74	.61

0.125 Solder Tail-Gold/Tin Sleeve (continued)

Stock No.	Mfr.'s Type	No. of Positions	Length		Width		EACH		
			In.	mm	In.	mm	1-24	25-99	100-499
978-1055	DIP-422-001B	22	1.099	27.91	0.499	12.68	.93	.85	.69
978-1060	DIP-424-001B	24	1.200	30.48	0.500	12.70	.71	.64	.53
978-1065	DIP-624-001B	24	1.199	30.45	0.699	17.76	.71	.64	.53
978-1070	DIP-628-001B	28	1.399	35.55	0.699	17.76	.99	.89	.74
978-1075	DIP-632-001B	32	1.600	40.64	0.700	17.78	.94	.86	.70
978-1085	DIP-640-001B	40	1.999	50.79	0.699	17.76	1.18	1.07	.88
978-1090	DIP-648-001B	48	2.399	60.96	0.699	17.76	1.40	1.27	1.05