

ASSMANN PLCC Sockets

Specifications:

- **Contacts:** Phosphor bronze, tin and gold plated
- **Current Rating:** 1 Amp
- **Insulating Resistance:** 1000M Ω minimum
- **Withstanding Resistance:** 600Vrms
- **Contact Resistance:** 30m Ω maximum
- **Operating Temperature:** -55°C - 110°C
- **Insulator:** PBT, UL 94V-0

Fig. 1

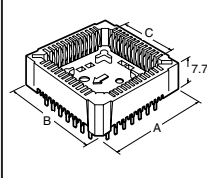


Fig. 2

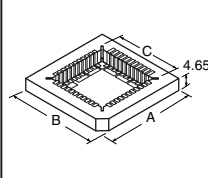


Fig.	No. of Contacts	Dimensions Inch	Digi-Key Part No.	Price Each	Assmann Part No.
		A B C		10 100	
PLCC — Thru Hole					
Tin — RoHS Compliant					
1	20	0.61 0.61 0.20	AE10054-ND	.63 .55 .45	A-CSS20-Z-R
	28	0.71 0.71 0.30	AE10055-ND	.68 .59 .48	A-CSS28-Z-R
	32	0.71 0.81 0.30	AE10056-ND	.74 .65 .52	A-CSS32-Z-R
	44	0.93 0.93 0.50	AE10057-ND	.81 .70 .57	A-CSS44-Z-R
	52	1.02 1.02 0.60	AE10058-ND	.89 .78 .63	A-CSS52-Z-R
	68	1.23 1.23 0.80	AE10059-ND	1.24 1.08 .87	A-CSS68-Z-R
84	1.42 1.42 1.00	AE10060-ND	1.33 1.16 .93	A-CSS84-Z-R	
Gold					
1	20	0.61 0.61 0.20	AE7332-ND	.88 .77 .62	A-CSS20-G-R
	20	0.61 0.61 0.20	AE10061-ND	.94 .82 .66	A-CSS20-G-R
	28	0.71 0.71 0.30	AE7333-ND	.88 .77 .62	A-CSS28-G-R
	28	0.71 0.71 0.30	AE10062-ND	1.13 .99 .80	A-CSS28-G-R
	32	0.71 0.81 0.30	AE7334-ND	1.02 .88 .71	A-CSS32-G
	32	0.71 0.81 0.30	AE10063-ND	1.18 1.02 .83	A-CSS32-G-R
	44	0.93 0.93 0.50	AE10064-ND	1.35 1.17 .95	A-CSS44-G-R
	52	1.02 1.02 0.60	AE7336-ND	1.10 .96 .77	A-CSS52-G
	52	1.02 1.02 0.60	AE10065-ND	1.52 1.33 1.07	A-CSS52-G-R
	68	1.23 1.23 0.80	AE10066-ND	1.83 1.59 1.29	A-CSS68-G-R
	84	1.42 1.42 1.00	AE10067-ND	2.05 1.78 1.44	A-CSS84-G-R
	PLCC — Surface Mount				
Tin					
2	20	0.62 0.62 0.20	AE10068-ND	.46 .40 .33	A-CSS20-Z-SM-R
	28	0.72 0.72 0.30	AE10069-ND	.52 .46 .37	A-CSS28-Z-SM-R
	32	0.72 0.82 0.40	AE10070-ND	.59 .51 .42	A-CSS32-Z-SM-R
	44	0.92 0.92 0.50	AE10071-ND	.65 .57 .46	A-CSS44-Z-SM-R
	52	1.02 1.02 0.60	AE7343-ND	.70 .61 .49	A-CSS52-Z-SM
	68	1.22 1.22 0.80	AE10072-ND	.81 .70 .57	A-CSS68-Z-SM-R
52	1.02 1.02 0.60	AE10073-ND	.72 .63 .51	A-CSS52-Z-SM-R	
68	1.22 1.22 0.80	AE10073-ND	.81 .70 .57	A-CSS68-Z-SM-R	

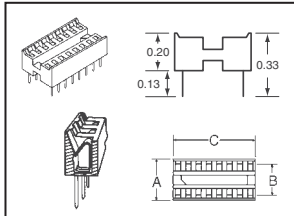
◆ RoHS Compliant

IC Sockets

Dual Wipe Solder Tail

Specifications:

- **Contacts:** Phosphor Bronze. **Mechanical and Electrical Data:** • Transitional Resistance: $\leq 12m\Omega$. Capacity between adjacent contacts: $< 0.9pF$. Capacity between opposite adjacent contacts: $< 0.4pF$. Dielectric Withstanding Voltage: AC 500V for 1 minute. • Insertion Force: $\leq 1.5N$ • Extraction Force: $\geq 0.7N$. **Housing:** • PBT and 30% Glass Fiber (UL 94V-0) • Insulation Resistance: $10^{12}\Omega$ • **Operating Temperature Range:** -55°C - 105°C



No. of Contacts	Contact Plating	Dimensions (Inch)	Digi-Key Part No.	Pricing	Assmann Part No.
		A B C		1 10 100 500	
6	Tin	0.39 0.30 0.30	AE1485-ND	.43 3.40 27.37 99.10	A06-LC-TT-R
	Gold	0.39 0.30 0.30	AE1486-ND	.91 7.93 64.03 274.43	A06-LCG-T-R
8	Tin	0.39 0.30 0.39	AE9986-ND	.24 1.91 15.37 55.65	A08-LC-TT-R
	Gold	0.39 0.30 0.39	AE9987-ND	.40 3.46 27.90 119.57	A08-LCG-T-R
	Tin	0.40 0.30 0.40	AE9988-ND	.39 3.14 25.26 91.48	A08-LC-TR-R
14	Tin	0.39 0.30 0.70	AE9989-ND	.30 2.35 18.95 68.61	A14-LC-TT-R
	Gold	0.39 0.30 0.70	AE9814-ND	.46 4.00 27.59 110.35	A14-LCG-T
	Gold	0.39 0.30 0.70	AE9990-ND	.46 3.99 32.17 137.87	A14-LCG-T-R
	Tin	0.40 0.30 0.70	AE9991-ND	.39 3.14 25.26 91.48	A14-LC-TR-R
16	Tin	0.39 0.30 0.80	AE9992-ND	.33 2.64 21.26 76.99	A16-LC-TT-R
	Gold	0.39 0.30 0.80	AE9993-ND	.52 4.53 36.59 156.82	A16-LCG-T-R
	Tin	0.40 0.30 0.80	AE9994-ND	.46 3.66 29.48 106.72	A16-LC-TR-R
18	Tin	0.39 0.30 0.90	AE9995-ND	.39 3.14 25.26 91.48	A18-LC-TT-R
	Gold	0.39 0.30 0.90	AE9818-ND	.59 5.14 35.43 141.72	A18-LCG-T
	Gold	0.39 0.30 0.90	AE9996-ND	.59 5.10 41.16 176.42	A18-LCG-T-R
	Tin	0.40 0.30 0.90	AE9997-ND	.49 3.97 32.00 115.87	A18-LC-TR-R
20	Tin	0.39 0.30 1.00	AE9998-ND	.43 3.40 27.37 99.10	A20-LC-TT-R
	Gold	0.40 0.30 1.00	AE9999-ND	.65 5.57 44.98 192.75	A20-LCG-T-R
	Tin	0.40 0.30 1.00	AE9845-ND	.19 1.52 12.21 44.21	A20-LC-TR
	Tin	0.40 0.30 1.00	AE10000-ND	.56 4.44 35.79 129.59	A20-LC-TR-R
22	Tin	0.50 0.40 1.10	AE10264-ND	.62 4.97 40.00 144.84	A22-LC-T2-R
	Gold	0.50 0.40 1.10	AE9822-ND	.65 5.63 45.43 194.71	A22-LCG
24	Tin	0.70 0.30 1.20	AE10285-ND	.52 4.10 33.05 119.68	A24-LC-7-TT-R
	Gold	0.70 0.60 1.20	AE10001-ND	.52 4.18 33.69 121.97	A24-LC-TT-R
	Gold	0.70 0.60 1.20	AE10002-ND	.79 6.83 55.19 236.53	A24-LCG-T-R
	Tin	0.70 0.60 1.20	AE10003-ND	.66 5.28 42.53 153.98	A24-LC-TR-R
28	Tin	0.70 0.60 1.40	AE10004-ND	.62 4.97 40.00 144.84	A28-LC-TT-R
	Gold	0.70 0.30 1.40	AE10286-ND	.62 4.97 40.00 144.84	A28-LC-7-TT-R
	Gold	0.70 0.60 1.40	AE10005-ND	.91 7.95 64.19 275.08	A28-LCG-T-R
	Tin	0.70 0.60 1.40	AE10006-ND	.78 6.27 50.53 182.95	A28-LC-TR-R
32	Tin	0.70 0.60 1.60	AE10007-ND	.89 7.06 56.85 205.82	A32-LC-TR-R
	Gold	0.70 0.60 2.00	AE10008-ND	.89 7.06 56.85 205.82	A40-LC-TT-R
	Gold	0.70 0.60 2.00	AE10009-ND	1.31 11.40 92.09 394.65	A40-LCG-T-R
	Tin	0.70 0.60 2.00	AE9851-ND	.33 2.66 21.48 77.75	A40-LC-TR
40	Tin	0.70 0.60 2.00	AE10010-ND	1.11 8.89 71.58 259.18	A40-LC-TR-R

† Retentive Lag Version ◆ RoHS Compliant

IC Sockets Machine Pin

With gold plated precision spring contacts, open frame, solder pin and wire wrap terminals.

Contacts Spring: Copper alloy, 4 finger contact. Surface gold over nickel. Absolute protection against capillary action. Connecting pins: brass, solder version. **Mechanical and Electrical Data:** Depth of Insertion: 2.3mm - 3.7mm. Vibration: 20g after MIL-STD-202. Shock: 150g to MIL-STD-202. Insertion Frequency: > 1000 . Transitional Resistance after 100 insertion cycles: $\leq 12m\Omega$. Capacity between adjacent contacts: $< 0.9pF$. Capacity between opposite adjacent contacts: $< 0.4pF$. Air and creepage space between adjacent contacts: $> 0.4mm$. **Insulators:** Polyester GV, VO self-extinguishing, UL 94. Insulation Resistance: $10^{12}\Omega$. **Operating Temperature Range:** -65°C - 150°C. Retains shape in solder bath. Resistant to detergent. **Contact Plating:** Pin: Tin; Clip: Gold.

Fig. 1

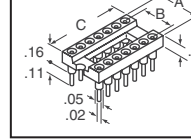


Fig. 2

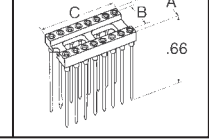


Fig.	No. of Contacts	Dimensions Inch	Digi-Key Part No.	Price Each	Assmann Part No.	
		A B C		10 100		
Solder Tail						
Gold Flash						
1	6	0.40 0.30 0.40	AE10022-ND	.28 .24 .20	AR06-HZL-TT-R	
	8	0.40 0.30 0.40	AE10011-ND	.36 .31 .25	AR08-HZL-TT-R	
	14	0.40 0.30 0.70	AE10012-ND	.57 .50 .40	AR14-HZL-TT-R	
	16	0.40 0.30 0.80	AE10013-ND	.68 .59 .48	AR16-HZL-TT-R	
	18	0.40 0.30 0.90	AE10014-ND	.75 .65 .53	AR18-HZL-TT-R	
	20	0.40 0.30 1.00	AE10015-ND	.82 .71 .58	AR20-HZL-TT-R	
1	24	0.70 0.60 1.20	AE7224-ND	.91 .80 .56	AR24-HZL-TT	
	24	0.70 0.60 1.20	AE10016-ND	1.01 .88 .71	AR24-HZL-TT-R	
	28	0.70 0.60 1.40	AE10017-ND	1.23 1.07 .86	AR28-HZL-TT-R	
	40	0.70 0.60 2.00	AE10018-ND	1.55 1.34 1.09	AR40-HZL-TT-R	
	48	0.70 0.60 2.40	AE10019-ND	1.92 1.67 1.35	AR48-HZL-TT-R	
	10μm Gold					
	1	6	0.40 0.30 0.30	AE10021-ND	.49 .43 .35	AR06-HZL/01-TT-R
		8	0.40 0.30 0.40	AE10175-ND	.63 .55 .45	AR08-HZL/01-TT-R
		14	0.40 0.30 0.70	AE7302-ND	.81 .70 .57	AR14-HZL/01-TT
		14	0.40 0.30 0.70	AE10023-ND	1.14 .99 .80	AR14-HZL/01-TT-R
		16	0.40 0.30 0.80	AE10024-ND	1.31 1.14 .92	AR16-HZL/01-TT-R
		16	0.40 0.30 0.80	AE10025-ND	1.68 1.47 1.18	AR16-HZL/01-TT-R
24		0.70 0.60 1.20	AE10026-ND	1.98 1.72 1.39	AR24-HZL/01-TT-R	
24		0.40 0.30 1.20	AE10027-ND	1.98 1.72 1.39	AR24-HZL/01-TT-R	
28		0.70 0.60 1.40	AE10028-ND	2.31 2.01 1.62	AR28-HZL/01-TT-R	
28		0.40 0.30 1.40	AE10029-ND	2.20 1.91 1.54	AR28-HZL/01-TT-R	
32		0.70 0.60 1.60	AE10030-ND	2.50 2.18 1.76	AR32-HZL/01-TT-R	
40		0.70 0.60 2.00	AE10031-ND	3.14 2.73 2.20	AR40-HZL/01-TT-R	
48	0.70 0.60 2.40	AE7311-ND	2.72 2.36 1.91	AR48-HZL/01-TT		
30μm Gold						
1	6	0.40 0.30 0.30	AE10033-ND	.87 .76 .61	AR06-HZL/07-TT-R	
	8	0.40 0.30 0.40	AE7313-ND	.68 .59 .48	AR08-HZL/07-TT	
	8	0.40 0.30 0.40	AE10034-ND	1.18 1.02 .83	AR08-HZL/07-TT-R	
	14	0.40 0.30 0.70	AE7314-ND	1.07 .93 .75	AR14-HZL/07-TT	
	14	0.40 0.30 0.70	AE10035-ND	2.01 1.75 1.41	AR14-HZL/07-TT-R	
	16	0.40 0.30 0.80	AE10036-ND	2.34 2.03 1.64	AR16-HZL/07-TT-R	
	18	0.40 0.30 0.90	AE10037-ND	2.56 2.22 1.79	AR18-HZL/07-TT-R	
	20	0.40 0.30 1.00	AE10038-ND	2.94 2.55 2.06	AR20-HZL/07-TT-R	
	24	0.70 0.60 1.20	AE7318-ND	1.79 1.56 1.26	AR24-HZL/07-TT	
	24	0.40 0.30 1.20	AE10040-ND	3.51 3.04 2.46	AR24-HZL/07-TT-R	
	28	0.70 0.60 1.40	AE10041-ND	4.08 3.54 2.86	AR28-HZL/07-TT-R	
	28	0.40 0.30 1.40	AE7321-ND	2.09 1.82 1.47	AR28-HZL/07-TT-R	
28	0.40 0.30 1.40	AE10042-ND	3.86 3.35 2.71	AR28-HZL/07-TT-R		
32	0.70 0.60 1.60	AE10043-ND	4.42 3.84 3.10	AR32-HZL/07-TT-R		
40	0.70 0.60 2.00	AE7323-ND	3.30 2.87 2.32	AR40-HZL/07-TT		
40	0.70 0.60 2.00	AE10044-ND	5.47 4.74 3.83	AR40-HZL/07-TT-R		
48	0.70 0.60 2.40	AE7324-ND	3.61 3.13 2.53	AR48-HZL/07-TT		
Wire Wrap						
2	8	0.40 0.30 0.40	AE10046-ND	1.23 1.07 .86	AR08-HZW/T-R	
	14	0.40 0.30 0.70	AE10047-ND	1.68 1.47 1.18	AR14-HZW/T-R	
	16	0.40 0.30 0.80	AE10048-ND	1.94 1.69 1.36	AR16-HZW/T-R	
	18	0.40 0.30 0.90	AE7118-ND	1.55 1.34 1.09	AR18-HZW/T	
	18	0.40 0.30 0.90	AE10049-ND	2.18 1.89 1.53	AR18-HZW/T-R	
	20	0.40 0.30 1.00	AE10050-ND	2.42 2.10 1.70	AR20-HZW/T-R	
2	24	0.70 0.60 1.20	AE7124-ND	2.07 1.80 1.45	AR24-HZW/T	
	24	0.70 0.60 1.20	AE10051-ND	3.16 2.74 2.22	AR24-HZW/T-R	
	28	0.70 0.60 1.40	AE10052-ND	3.38 2.93 2.37	AR28-HZW/T-R	
	40	0.70 0.60 2.00	AE7140-ND	3.78 3.33 2.30	AR40-HZW/T	
40	0.70 0.60 2.00	AE10053-ND	4.60 3.99 3.22	AR40-HZW/T-R		

◆ RoHS Compliant

OK Industries
Division of Jonard Industries Corp.

IC Insertion/Extraction Tools

Fig. 1



Fig. 2

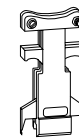


Fig. 3

