

# ASSMANN IC Sockets Machine Pin with gold plated precision spring contacts, open frame, solder pin and wire wrap terminals.

Fig. 1

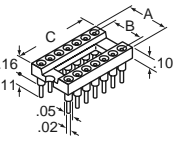
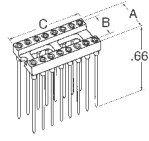


Fig. 2



**Contacts:** Contact spring: copper alloy, slit 4 times. Surface gold over nickel. Absolute protection against capillary action. Connecting pins brass, solder version.

**Mechanical and Electrical Data:** Depth of insertion 2.3 to 3.7 mm. Vibration 20 g after MIL-STD-202. Shock 150g to MIL-STD-202. Insertion frequency >1000. Transitional resistance after 100 insertion cycles ≤12mΩ. Capacity between adjacent contacts

<0.9pF. Capacity between opposite adjacent contacts <0.4pF. Air and creepage space between adjacent contacts >0.4mm. Tensile strength 1000 V<sub>eff</sub>.

**Insulators:** Polyester GV, VO self-extinguishing UL 94. Insulation resistance 10<sup>12</sup>Ω. Operating temperature range -65°C to +150°C. Retains shape in solder bath. Resistant to detergent.

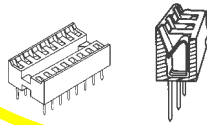
**Contact Plating:** Pin: Tin Clip: Gold.

Fig.	No. of Cont.	Dimensions (Inch)			Digi-Key Part No.	Price Each			Assmann Part No.
		A	B	C		1	10	100	
<b>Solder Tail</b>									
<b>Gold Flash</b>									
1	8	0.40	0.30	0.40	AE7208-ND	.35	.31	.25	AR08-HZL-TT
	14	0.40	0.30	0.70	AE7214-ND	.63	.55	.45	AR14-HZL-TT
	16	0.40	0.30	0.80	AE7216-ND	.72	.63	.51	AR16-HZL-TT
	18	0.40	0.30	0.90	AE7218-ND	.84	.73	.59	AR18-HZL-TT
	20	0.40	0.30	1.00	AE7220-ND	.93	.81	.66	AR20-HZL-TT
	22	0.50	0.40	1.10	AE7222-ND	1.02	.89	.72	AR22-HZL-TT
	24	0.70	0.60	1.20	AE7224-ND	1.14	.99	.80	AR24-HZL-TT
	28	0.70	0.60	1.40	AE7228-ND	1.32	1.15	.93	AR28-HZL-TT
	40	0.70	0.60	2.00	AE7240-ND	1.95	1.69	1.37	AR40-HZL-TT
	48	0.70	0.60	2.40	AE7248-ND	2.37	2.06	1.66	AR48-HZL-TT
64	1.00	0.90	3.20	AE7264-ND	3.15	2.73	2.21	AR64-HZL-TT	
<b>10μ" Gold</b>									
1	6	0.40	0.30	0.30	AE7300-ND	.43	.38	.31	AR06-HZL/01-TT
	8	0.40	0.30	0.40	AE7301-ND	.47	.41	.33	AR08-HZL/01-TT
	14	0.40	0.30	0.70	AE7302-ND	.70	.61	.50	AR14-HZL/01-TT
	16	0.40	0.30	0.80	AE7303-ND	.79	.69	.56	AR16-HZL/01-TT
	20	0.40	0.30	1.00	AE7304-ND	1.03	.89	.72	AR20-HZL/01-TT
	24	0.70	0.60	1.20	AE7305-ND	1.23	1.07	.87	AR24-HZL/01-TT
	24	0.40	0.30	1.20	AE7306-ND	1.23	1.07	.87	AR24-HZL/01-TT
	28	0.70	0.60	1.40	AE7307-ND	1.44	1.25	1.01	AR28-HZL/01-TT
	28	0.40	0.30	1.40	AE7308-ND	1.44	1.25	1.01	AR28-HZL/01-TT
	32	0.70	0.60	1.60	AE7309-ND	1.73	1.50	1.21	AR32-HZL/01-TT
40	0.70	0.60	2.00	AE7310-ND	2.05	1.78	1.44	AR40-HZL/01-TT	
48	0.70	0.60	2.40	AE7311-ND	2.58	2.24	1.81	AR48-HZL/01-TT	

Fig.	No. of Cont.	Dimensions (Inch)			Digi-Key Part No.	Price Each			Assmann Part No.
		A	B	C		1	10	100	
<b>30μ" Gold</b>									
1	6	0.40	0.30	0.30	AE7312-ND	.46	.40	.32	AR06-HZL/07-TT
	8	0.40	0.30	0.40	AE7313-ND	.54	.47	.38	AR08-HZL/07-TT
	14	0.40	0.30	0.70	AE7314-ND	.79	.69	.56	AR14-HZL/07-TT
	16	0.40	0.30	0.80	AE7315-ND	.90	.78	.63	AR16-HZL/07-TT
	18	0.40	0.30	0.90	AE7316-ND	.90	.78	.63	AR18-HZL/07-TT
	20	0.40	0.30	1.00	AE7317-ND	1.13	.98	.79	AR20-HZL/07-TT
	24	0.70	0.60	1.20	AE7318-ND	1.35	1.18	.95	AR24-HZL/07-TT
	24	0.40	0.30	1.20	AE7319-ND	1.35	1.18	.95	AR24-HZL/07-TT
	28	0.70	0.60	1.40	AE7320-ND	1.58	1.37	1.11	AR28-HZL/07-TT
	28	0.40	0.30	1.40	AE7321-ND	1.58	1.37	1.11	AR28-HZL/07-TT
32	0.70	0.60	1.60	AE7322-ND	1.89	1.65	1.33	AR32-HZL/07-TT	
40	0.70	0.60	2.00	AE7323-ND	2.25	1.96	1.58	AR40-HZL/07-TT	
48	0.70	0.60	2.40	AE7324-ND	2.73	2.37	1.92	AR48-HZL/07-TT	
<b>Wire Wrap</b>									
2	8	0.40	0.30	0.40	AE7108-ND	.96	.84	.68	AR08-HZ/W/T
	14	0.40	0.30	0.70	AE7114-ND	1.65	1.43	1.16	AR14-HZ/W/T
	16	0.40	0.30	0.80	AE7116-ND	1.89	1.64	1.33	AR16-HZ/W/T
	18	0.40	0.30	0.90	AE7118-ND	2.13	1.85	1.50	AR18-HZ/W/T
	20	0.40	0.30	1.00	AE7120-ND	2.37	2.06	1.66	AR20-HZ/W/T
	22	0.50	0.40	1.10	AE7122-ND	2.61	2.27	1.83	AR22-HZ/W/T
	24	0.70	0.60	1.20	AE7124-ND	2.85	2.47	2.00	AR24-HZ/W/T
	28	0.70	0.60	1.40	AE7128-ND	3.30	2.86	2.31	AR28-HZ/W/T
	40	0.70	0.60	2.00	AE7140-ND	4.74	4.11	3.32	AR40-HZ/W/T

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### IC Sockets Dual Wipe Solder Tail



**Contacts:** Phosphor bronze. Protection against capillary version. **Mechanical and Electrical Data:** Depth of insertion 2.3 to 3.7 mm. Vibration 20 g after MIL-STD-202. Shock 150g to MIL-STD-202. Insertion frequency >1000. Transitional resistance ≤12mΩ. Capacity between adjacent contacts <0.9 pF. Capacity between opposite adjacent contacts <0.4 pF. Breakdown voltage 600 V<sub>eff</sub>. Insertion force ≤1.5N. Extraction force ≥0.7N. **Insulators:** Polyester GV, VO, UL 94. Insulation resistance 10<sup>12</sup>Ω. Operation temperature range -65°C to +150°C.

Dimensions (Inch)	Digi-Key Part No.	Dimensions (Inch)			Digi-Key Part No.
		A	B	C	
0.39 0.30 0.30	AE8906-ND	0.39	0.30	1.00	AE8920-ND
0.39 0.30 0.30	AE9806-ND	0.30	0.30	1.00	AE9820-ND
0.39 0.30 0.39	AE8908-ND	0.50	0.40	1.10	AE8922-ND
0.39 0.30 0.39	AE9808-ND	0.50	0.40	1.10	AE9822-ND
0.39 0.30 0.70	AE8914-ND	0.70	0.60	1.20	AE8924-ND
0.39 0.30 0.70	AE9814-ND	0.70	0.60	1.20	AE9824-ND
0.39 0.30 0.80	AE8916-ND	0.70	0.60	1.40	AE8928-ND
0.39 0.30 0.80	AE9816-ND	0.70	0.60	1.40	AE9828-ND
0.39 0.30 0.90	AE8918-ND	0.70	0.60	2.00	AE8940-ND
0.39 0.30 1.90	AE9818-ND	0.70	0.60	2.00	AE9840-ND

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### PLCC Sockets

Fig. 1

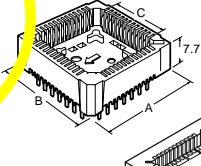
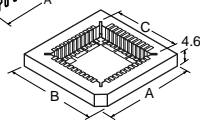


Fig. 2



**Contacts:** Phosphor bronze, tin and gold plated  
**Current Rating:** 1A  
**Insulating Resistance:** 1000MΩ min.  
**Withstanding Resistance:** 600V AC  
**Contact Resistance:** 30mΩ max.  
**Operating Temperature:** -50°C to +125°C  
**Insulator:** PBT, UL 94V-0

Fig.	No. of Cont.	Dimensions (Inch)			Digi-Key Part No.	Price Each			Assmann Part No.
		A	B	C		1	10	100	
<b>PLCC-Thru Hole</b>									
<b>Tin</b>									
1	20	0.61	0.61	0.20	AE7325-ND	.74	.65	.53	A-CCS20-Z
	28	0.71	0.71	0.30	AE7326-ND	.78	.68	.55	A-CCS28-Z
	32	0.71	0.81	0.30	AE7327-ND	.82	.72	.58	A-CCS32-Z
	44	0.93	0.93	0.50	AE7328-ND	.90	.78	.63	A-CCS44-Z
	52	1.02	1.02	0.60	AE7329-ND	.98	.85	.69	A-CCS52-Z
	68	1.23	1.23	0.80	AE7330-ND	1.00	.87	.70	A-CCS68-Z
84	1.42	1.42	1.00	AE7331-ND	1.15	1.00	.81	A-CCS84-Z	
<b>Gold</b>									
1	20	0.61	0.61	0.20	AE7332-ND	1.21	1.05	.85	A-CCS20-G
	28	0.71	0.71	0.30	AE7333-ND	1.21	1.05	.85	A-CCS28-G
	32	0.71	0.81	0.30	AE7334-ND	1.40	1.21	.98	A-CCS32-G
	44	0.93	0.93	0.50	AE7335-ND	1.52	1.32	1.07	A-CCS44-G
	52	1.02	1.02	0.60	AE7336-ND	1.52	1.32	1.07	A-CCS52-G
	68	1.23	1.23	0.80	AE7337-ND	1.58	1.37	1.11	A-CCS68-G
84	1.42	1.42	1.00	AE7338-ND	1.76	1.53	1.23	A-CCS84-G	
<b>PLCC — Surface Mount</b>									
<b>Tin</b>									
2	20	0.62	0.62	0.20	AE7339-ND	.67	.58	.47	A-CCS20-Z-SM
	28	0.72	0.72	0.30	AE7340-ND	.71	.62	.50	A-CCS28-Z-SM
	32	0.72	0.82	0.40	AE7341-ND	.65	.56	.46	A-CCS32-Z-SM
	44	0.92	0.92	0.50	AE7342-ND	.78	.68	.55	A-CCS44-Z-SM
	52	1.02	1.02	0.60	AE7343-ND	.96	.83	.67	A-CCS52-Z-SM
	68	1.22	1.22	0.80	AE7344-ND	1.04	.90	.73	A-CCS68-Z-SM
84	1.42	1.42	1.00	AE7345-ND	1.21	1.05	.85	A-CCS84-Z-SM	



### IC Insertion/Extraction Tools

	K153-ND	K154-ND	K155-ND	K156-ND	K157-ND	K158-ND	K293-ND	K375-ND
<b>Description</b>	14-16 Pin Dip/IC inserter	14-16 Pin CMOS Safe inserter	24-28 Pin CMOS Safe inserter	36-40 Pin CMOS Safe inserter	Extractor Tool, (8 to 24 pins)	Extractor Tool, (24 to 40 pins)	Insertion & Extraction Kit	Universal PLCC Extraction Tool
<b>Digi-Key Part No.</b>	K153-ND	K154-ND	K155-ND	K156-ND	K157-ND	K158-ND	K159-ND	K293-ND
<b>Price Each</b>	21.46	24.86	24.86	24.87	3.38	24.86	84.79	23.74
							K374-ND	K375-ND
							10.18	225.00

The K159 Kit contains: K154, K155, K156, K157 and K158. \* K375-ND, Comes complete with Case and two sets of Jaws.

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