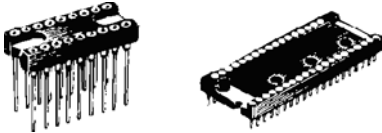


ICA Series Screw Machine Sockets

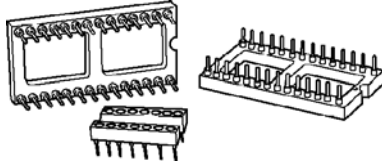


Feature four finger beryllium copper contacts with high retention design. Low profile body with mounting holes. "S" in Mfr.'s Type number indicates solder dip sockets. "WB" in Mfr.'s Type number indicates 3-level wire wrap. **Body Material:** Glass-filled black polyester. **PCB Hole:** 0.035" ±0.002". IC lead and socket leads are coincident. **Plating:** TG30 has 30 µ inch minimum gold on contact area. 200 µ inch minimum tin in the terminal area. TG30 includes an underplate of 50 µ inch minimum nickel. **Temperature Range:** -65°C to +125°C.

3-Level Wire Wrap

Stock No.	Mfr.'s Type	No. of Contacts	Length		Width		EACH		
			In.	mm	In.	mm	1-99	100-499	500-999
906-5150	ICA-083-WB-TG30	8	0.395	10.03	0.395	10.03	.91	.79	.67
906-5155	ICA-143-WB-TG30	14	0.695	17.65	0.395	10.03	1.32	1.15	.96
906-5160	ICA-163-WB-TG30	16	0.795	20.19	0.395	10.03	1.43	1.24	1.04
906-5165	ICA-203-WB-TG30	20	0.995	25.27	0.395	10.03	1.85	1.57	1.38
906-5170	ICA-246-WB-TG30	24	1.195	30.35	0.695	17.65	2.14	1.86	1.56
906-5185	ICA-286-WB-TG30	28	1.395	35.43	0.695	17.65	2.55	2.25	1.89
906-5190	ICA-406-WB-TG30	40	1.995	50.67	0.695	17.65	3.97	3.50	2.94

ICE Series Open Body Screw Machine Sockets



Features four finger beryllium copper contact that accepts short IC leader. Open body provides connection cooling. Solder DIP sockets. **Body Material:** Black polyester, glass filled. **Shell:** Half hard brass. **Mounting Information:** 0.030" ± 0.002" PCB hole. **Contact Plating:** TG — 10 µ inch minimum gold on contact area. 200 µ inch minimum tin/lead on terminal area. TG30 — 30 µ inch minimum gold on contact area. 200 µ inch minimum tin/lead on terminal area. Both include 50 µ inch minimum nickel underplate. **Temperature Range:** -65°C to +125°C.

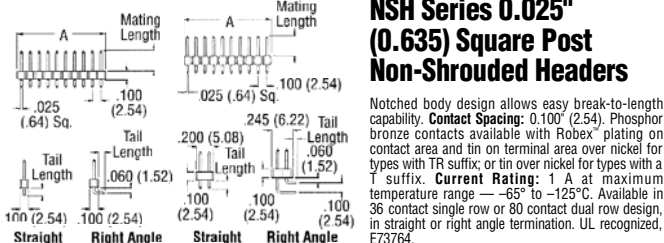
Stock No.	Mfr.'s Type	No. of Contacts	Length		Width		EACH		
			In.	mm	In.	mm	1-99	100-499	500-999
906-9989	ICE-063-S-TG	6	0.295	7.49	0.395	10.03	.38	.32	.27
906-8688	ICE-063-S-TG30	6	0.295	7.49	0.395	10.03	.40	.33	.29
906-5905	ICE-083-S-TG	8	0.395	10.03	0.395	10.03	.30	.22	.18
906-8690	ICE-083-S-TG30	8	0.395	10.03	0.395	10.03	.58	.48	.41
906-5910	ICE-143-S-TG	14	0.695	17.65	0.395	10.03	.38	.33	.29
906-8692	ICE-143-S-TG30	14	0.695	17.65	0.395	10.03	.68	.57	.48
906-5915	ICE-163-S-TG	16	0.795	20.19	0.395	10.03	.40	.37	.33
906-8694	ICE-163-S-TG30	16	0.795	20.19	0.395	10.03	.80	.68	.57
906-8696	ICE-183-S-TG	18	0.895	22.73	0.395	10.03	.44	.37	.32
906-8698	ICE-183-S-TG30	18	0.895	22.73	0.395	10.03	.86	.72	.61
906-5920	ICE-203-S-TG	20	0.995	25.27	0.395	10.03	.83	.70	.58
906-8700	ICE-203-S-TG30	20	0.995	25.27	0.395	10.03	.95	.80	.67
906-8702	ICE-243-S-TG	24	1.195	30.35	0.395	10.03	.57	.48	.40
906-8704	ICE-243-S-TG30	24	1.195	30.35	0.395	10.03	.68	.57	.48
906-8706	ICE-244-S-TG	24	1.195	30.35	0.495	12.57	1.44	1.20	1.01
906-8708	ICE-244-S-TG30	24	1.195	30.35	0.495	12.57	1.45	1.21	1.02
906-5925	ICE-246-S-TG	24	1.195	30.35	0.695	17.65	.57	.48	.40
906-8710	ICE-246-S-TG30	24	1.195	30.35	0.695	17.65	.68	.57	.48
906-8712	ICE-283-S-TG	28	1.395	35.43	0.395	10.03	.68	.57	.48
906-8714	ICE-283-S-TG30	28	1.395	35.43	0.395	10.03	.85	.72	.60
906-5930	ICE-286-S-TG	28	1.395	35.43	0.695	17.65	.71	.62	.56
906-8716	ICE-286-S-TG30	28	1.395	35.43	0.695	17.65	.78	.66	.55
906-5935	ICE-326-S-TG	32	1.595	40.51	0.695	17.65	.76	.64	.54
906-8718	ICE-326-S-TG30	32	1.595	40.51	0.695	17.65	.91	.76	.64
906-5940	ICE-406-S-TG	40	1.995	50.67	0.695	17.65	.95	.80	.67
906-8720	ICE-406-S-TG30	40	1.995	50.67	0.695	17.65	1.12	.94	.79
906-8722	ICE-649-S-TG	64	3.195	81.15	0.995	25.27	2.06	1.72	1.44
906-8724	ICE-649-S-TG30	64	3.195	81.15	0.995	25.27	2.81	2.39	2.00

ICB Series Solder DIP Production Sockets

Dual contact, low profile socket allows dense board-to-board spacing. Features closed bottom body design and self-locking tail. Dual wiping contact design offers high compression for gas-tight reliability. Beryllium copper contacts. **Body:** Black polyester, glass-filled. **Contact Finish:** 200 µ inch min. tin/lead in contact area; 100 µ inch tin/lead on terminal area. **Terminal Area:** 100 µ inch min. electro tin over 50 µ inch min. nickel. **Temperature Range Rating:** -65°C to +125°C. **PCB Hole Mounting:** 0.040" ±0.002" 3 dia.



Stock No.	Mfr.'s Type	No. of Contacts	Length		Width		EACH		
			In.	mm	In.	mm	1-99	100-499	500-999
906-8670	ICB-083-S8-T	8	0.395	10.03	0.400	10.16	.21	.16	.14
906-8672	ICB-143-S8-T	14	0.695	17.65	0.400	10.16	.37	.27	.23
906-8674	ICB-163-S8-T	16	0.795	20.19	0.400	10.16	.23	.20	.19
906-8676	ICB-203-S8-T	20	0.995	25.27	0.400	10.16	.27	.24	.21
906-8678	ICB-243-S8-T	24	1.195	30.35	0.400	10.16	.32	.28	.25
906-8680	ICB-246-S8-T	24	1.195	30.35	0.700	17.78	.32	.28	.25
906-8682	ICB-286-S8-T	28	1.395	35.43	0.700	17.78	.38	.33	.30
906-8684	ICB-406-S8-T	40	1.995	50.67	0.700	17.78	.53	.45	.41



NSH Series 0.025" (0.635) Square Post Non-Shrouded Headers

Notched body design allows easy break-to-length capability. **Contact Spacing:** 0.100" (2.54). Phosphor bronze contacts available with Robex® plating on contact area and tin on terminal area over nickel for types with TR suffix; or tin over nickel for types with a T suffix. **Current Rating:** 1 A at maximum temperature range — -65° to -125°C. Available in 36 contact single row or 80 contact dual row design, in straight or right angle termination. UL recognized, E73764.

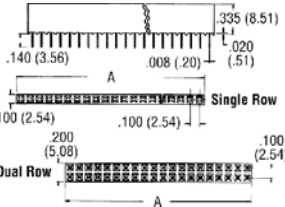
36 Contacts Single Row, 3.60" (91.44) Wide

Stock No.	Mfr.'s Type	Mount	Dim. "A"	EACH	
				1-99	100-499
906-3140	NSH-36SA-S2-T	Straight	0.318" (8.08)	.60	.53
906-3142	NSH-36SA-S2-TR	Straight	0.318" (8.08)	.89	.77
906-3144	NSH-36SA-SR2-TR	Right Angle	0.318" (8.08)	.75	.66
906-3146	NSH-36SB-SR2-TR	Right Angle	0.230" (5.84)	.73	.64

80 Contacts Dual Row, 4.00" (101.60) Wide

Stock No.	Mfr.'s Type	Mount	Dim. "A"	EACH	
				1-99	100-499
906-3148	NSH-80DA-S2-T	Straight	0.318" (8.08)	1.02	.88
906-3150	NSH-80DA-S2-TR	Straight	0.318" (8.08)	1.30	1.12
906-3152	NSH-80DA-SR2-TR	Right Angle	0.318" (8.08)	1.51	1.31
906-3154	NSH-80DB-SR2-TR	Right Angle	0.230" (5.84)	1.36	1.18

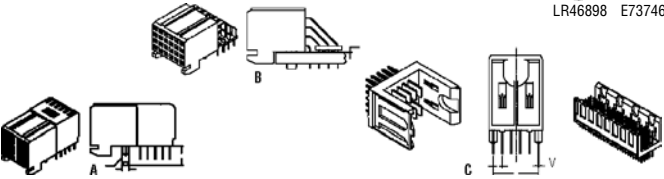
SBQ Series 0.025" (0.635) Square Post Receptacles



Socket mates to square post non-shrouded headers. **Contact Spacing (Available in Single or Dual Rows):** 0.100" × 0.100" (2.54 × 2.54). High-temperature back thermoplastic body can be cut to size; rated UL94V-0. Excellent for add-on cards. Phosphor bronze contacts plated with 10 µ" gold over nickel on contact area and 100 µ" tin on terminal area. **Current Rating:** 1 A. **Temperature Range:** -65°C to +105°C.

Stock No.	Mfr.'s Type	Rows	Contacts	EACH	
				1-99	100-499
906-3172	SBQ-36P-S-100-TG	Single	36	1.56	1.35
906-3174	SBQ-72P-D-100-TG	Dual	72	3.80	3.35

METPACK® 2 Sockets and Headers



Materials. **Housing:** High temperature, 30% glass filled, liquid crystal polymer. UL94V-0. **Contacts:** Standard header — phosphor bronze; Socket — beryllium copper. **Plating:** 30 µ" ROBEX® (27 µ" minimum palladium nickel with 3 µ" minimum gold flash on contact area). **Terminal Area:** 100 µ" minimum tin/lead. **Underplate:** 50 µ" minimum nickel. **Current Rating:** Signal — 1.0 A - All contacts simultaneously, 3.0 A - Single contact; Power — 6.5 A per power socket/header. **Contact Temperature:** 70°C.

Female Power Socket, Right Angle Molded, 4 or 5 Row, Solder Termination

Stock No.	Mfr.'s Type	Fig.	Positions/ Rows	Tail Length (mm)	PCB Thickness (mm)	EACH	
						1-24	25-49
906-3500	MP2-SP08-41M1-TR30	A	8 (4 × 2)	2.72	1.6	3.28	2.74
906-3505	MP2-SP10-51M1-TR30	A	10 (5 × 2)	2.72	1.6	3.94	3.28

Female Signal Socket, Right Angle Molded, 4 or 5 Row, Press-In, Hold Down, Solder Termination

Stock No.	Mfr.'s Type	Fig.	Positions/ Rows	Tail Length (mm)	PCB Thickness (mm)	EACH	
						1-24	25-49
906-3510	MP2-SQ24-41M1-TR30	B	24 (4 × 6)	2.72	1.6	2.43	2.03
906-3515	MP2-SQ30-51M1-TR30	B	30 (5 × 6)	2.72	1.6	3.02	2.52
906-3520	MP2-SQ60-51M1-TR30	B	60 (5 × 12)	2.72	1.6	5.28	4.41
906-3525	MP2-SQ72-41M1-TR30	B	72 (4 × 18)	2.72	1.6	6.47	5.39
906-3530	MP2-S144-41M2-TR30	B	144 (4 × 36)	3.53	2.4	12.36	10.31

Male Power Header, Straight PCB Solder Tail, 4 or 5 Row, Solder Termination

Stock No.	Mfr.'s Type	Fig.	Positions/ Rows	Tail Length (mm)	PCB Thickness (mm)	EACH	
						1-24	25-49
906-3550	MP2-HP08-41S1-TR30	C	8 (4 × 2)	4.60	—	3.04	2.54
906-3555	MP2-HP10-51S1-TR30	C	10 (5 × 2)	4.60	—	3.49	2.91

Male Signal Header, Straight, PCB Solder Tail, 4 or 5 Row, Solder Termination

Stock No.	Mfr.'s Type	Fig.	Positions/ Rows	Tail Length (mm)	PCB Thickness (mm)	EACH	
						1-24	25-49
906-3560	MP2-HQ24-41S1-TR30	C	24 (4 × 6)	4.60	—	2.10	1.75
906-3565	MP2-HQ30-51S1-TR30	C	30 (5 × 6)	4.60	—	2.53	2.11
906-3570	MP2-HQ60-51S1-TR30	C	60 (5 × 12)	4.60	—	3.86	3.22
906-3575	MP2-HQ72-41S1-TR30	C	72 (4 × 18)	4.60	—	4.57	3.81
906-3580	MP2-H144-41S1-TR30	C	144 (4 × 36)	4.60	—	8.53	7.11