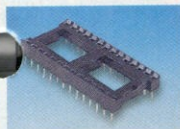


IC Sockets - Dual-In-Line

Low Profile – 200C Series

AUGAT



- Low cost
- Single beam contacts
- Non-wicking, closed base design
- Phosphor bronze or beryllium copper contacts, tin/lead plated
- Thermoplastic polyester body, **UL94V-0** rated

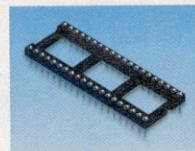
Operating temperature	-55°C to +105°C	Insulation resistance	$2 \times 10^{12} \Omega$
Contact rating	2A	Solder tails	$0.46 \times 0.15 \text{ mm}$
Contact resistance	10m Ω	Body height	4.98mm

Mfrs. List No.

No longer available see 1343038 jsl 19/06/02

Phosphor bronze: 2xx-AG19DC, where xx = No. of ways, except 224-AG10DC = 179-885
Beryllium copper: 2xx-AG39DC, where xx = No. of ways.

Low Profile – Thick Gold, Turned Pin Contacts



- Reliable for
- 0.25 μ thick gold plated
- Solder in complete tubes
- 4.2mm body height
- Auto insertable
- Tin-lead plated brass pins
- Glass filled polyester body to **UL94V-0**

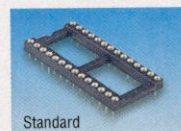
Contact rating	1A	Mechanical life	100 cycles min.
Contact resistance	<10m Ω	Dielectric strength	1kV rms
Insulation resistance	>10,000M Ω	Operating temperature	-55°C to +125°C

Mfrs. List No. D28xxF01 where xx = No. of ways, except D2922F01 = 741-139, D2923F01 = 741-140, D2724F01 = 741-164

Tube Quantity	Order Code	1+	5+	10+	25+	50+
0.3" (7.62mm) Row Spacing						
6 way	69 741-073	9.66	8.28	7.24	6.44	5.80
8 way	52 741-085	9.70	8.32	7.28	6.47	5.82
14 way	29 741-097	9.47	8.12	7.11	6.32	5.68
16 way	25 741-103	9.33	8.00	7.00	6.22	5.60
18 way	22 741-115	9.24	7.92	6.93	6.16	5.54
20 way	20 741-127	9.33	8.00	7.00	6.22	5.60
22 way	18 741-139	9.24	7.92	6.93	6.16	5.54
24 way	17 741-140	9.52	8.16	7.14	6.35	5.71
28 way	14 739-509	6.24	5.43	4.92	4.50	4.14
0.4" (10.16mm) Row Spacing						
22 way	18 741-152	9.24	7.92	6.93	6.16	5.54
24 way	17 741-164	10.20	8.74	7.65	6.80	6.12
0.6" (15.24mm) Row Spacing						
24 way	17 741-176	9.52	8.16	7.14	6.35	5.71
28 way	14 741-188	8.96	7.68	6.72	5.97	5.49
32 way	12 741-190	6.09	5.30	4.82	3.96	3.96
40 way	10 741-206	9.33	8.00	7.00	6.22	5.60
0.9" (22.86mm) Row Spacing						
64 way	6 741-360	5.98	5.38	5.23	4.78	4.78

Low Profile – Thick Gold, Turned Pin Contacts

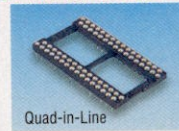
HARWIN



Standard



Shrink-DIP



Quad-in-Line

Auto-insertable high reliability low profile IC sockets with a life of over 1000 insertions whilst maintaining stable contact resistance. Sockets have four leaf beryllium copper spring contacts to **CD172** grade with **thick gold** finish, and pins are tin-lead plated brass. Glass filled polyester to **UL94V-0** body.

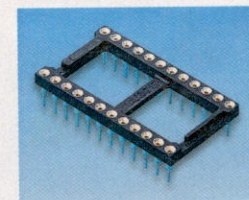
Temperature range	-55°C to +180°C	Pin spacing	0.1" (2.54mm)
Contact resistance	10m Ω	0.7" (17.78mm) (175-967)	
Insulation resistance	10 ¹² Ω	Body height	3.6mm

Mfrs. List No. Standard range D28xx-01, where xx = No. of ways, except D73064-01 = 175-970, D3764-01 = 175-967.

Order Multiple	Order Code	1+	10+	50+	100+	250+
0.9" (22.86mm) Row Spacing						
64 way	1 .170-466	1.880	1.750	1.750	1.690	1.500
0.75" (19.05mm) 'Shrink DIP'						
64 way	1 .175-967	5.300	4.470	3.800	3.190	3.000
0.75" (19.05mm) Quad-in-Line						
64 way	1 .175-970	2.870	2.320	1.860	1.710	1.580

Low Profile – 'Economy' Turned Pin Contacts

AUGAT

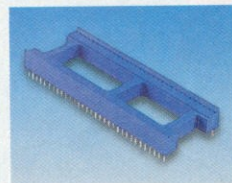


- High precision, four-fingered inner contacts
- X and Y stackable
- Open frame design for cooling, cleaning and easy inspection
- Non-wicking, closed base
- Supplied in 630mm tubes
- Beryllium copper inner contact, 10 μ gold-on-nickel or tin plated
- Thermoplastic polyester body, **UL94V-0** rated

Contact rating	3A	Capacitance	1.0pf
Contact resistance	10m Ω	Dielectric withstand voltage	1kV rms
Insulation resistance	$2 \times 10^{10} \text{ M}\Omega$	Operating temperature	-55°C to +105°C

Mfrs. List No. 8XX-AG11DESL (gold plated), 8XX-AG12DES (tin plated) where XX = No. of ways, except 824-AG31DESL = 738-566 and 824-AG66DESL = 738-580

64 Pin Shrink DIP

ARIES
Electronics (Europe)

- Low insertion force
- Single beam contacts
- Non-wicking, closed base design
- Beryllium contacts, tin alloy plated
- Glass reinforced, thermoplastic polyester body, **UL94V-0** rated

Pin spacing	0.07" (1.78mm)	Body height	6.73mm max
Row spacing	0.75" (19.05mm)		

Mfrs. List No.	Order Code	1+	25+	100+	500+
64-570-10	.179-957	3.94	3.56	3.22	2.86

Low Profile – Dual Wipe Contacts

AUGAT



- Large target area for easy IC insertion
- Non-wicking, closed base design
- Phosphor bronze contacts, tin/lead plated
- Thermoplastic polyester body, **UL94V-0** rated

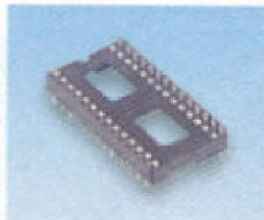
Operating temperature	-55°C to +105°C	Insulation resistance	$3 \times 10^{12} \Omega$
Contact rating	2A	Solder tails	$0.50 \times 0.17 \text{ mm}$
Contact resistance	10m Ω	Body height	5.3mm

Mfrs. List No. 3xx-AG19DC, where xx = No. of ways, except 324-AG10DC = 179-907

Tube Quantity	Order Code	1+	10+	50+	100+	250+
0.3" (7.62mm) Row Spacing						
6 way	70 179-901	2.73	2.55	2.29	1.90	1.75
8 way	52 179-902	2.57	2.42	2.17	1.79	1.66
14 way	30 179-903	2.63	2.46	2.20	1.83	1.69
16 way	26 179-904	2.62	2.45	2.19	1.82	1.68
18 way	23 179-905	2.61	2.45	2.19	1.82	1.68
20 way	21 179-906	2.66	2.49	2.24	1.85	1.70
24 way	17 179-907	2.53	2.38	2.13	1.76	1.63
0.6" Row Spacing (15.24mm)						
24 way	17 179-908	2.53	2.38	2.13	1.76	1.63
28 way	15 179-909	2.63	2.46	2.20	1.83	1.69
32 way	13 179-910	2.62	2.45	2.19	1.82	1.68
40 way	10 179-911	2.50	2.33	2.11	1.74	1.60

IC Sockets - Dual-In-Line

DIPLOMATE™ Dual Wipe DIP Sockets



- Open frame construction
- Inhibits solder wicking and flux contamination
- Tin plated phosphor bronze contacts
- Stackable end-to-end or side-by-side
- Suitable for auto-insertion
- Body height above pcb 4.45mm
- UL recognised

Not suitable too high

JSL 15/07/02

Contact rating
Contact resistance

250V ac
20mΩ

Insulation resistance
Dielectric withstand voltage

5000Ω min.
1000V rms

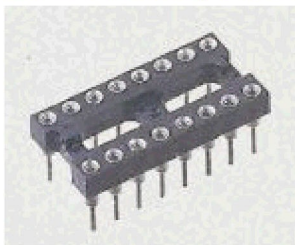
SH253

Order Multiple = 5

No. of Ways	Mftrs List No.	Order Code	5+	10+	Price Each		
					100+	250+	1K+
0.3" (7.62mm) Row Spacing							
8	390261-2	134-2964	0.17	0.09	0.08	0.08	0.07
14	390261-3	134-2976	0.23	0.12	0.11	0.09	0.08
16	390261-4	134-2988	0.24	0.12	0.12	0.11	0.09
18	390261-5	134-2990	0.28	0.14	0.13	0.12	0.12
20	390261-6	134-3002	0.30	0.16	0.15	0.13	0.13
0.6" (15.24mm) Row Spacing							
24	390262-1	134-3026	0.36	0.19	0.18	0.16	0.15
28	390262-2	134-3038	0.42	0.22	0.20	0.20	0.18
40	390262-5	134-3040	0.60	0.33	0.31	0.28	0.25

Low Profile – Dual Wipe Contacts

Low Profile, Formed Pin, DIL Sockets



Low profile high-quality machined contact d.i.l. sockets comprising a four-finger (3 to 5 microns) tin over nickel-plated beryllium-copper inner contact, with a tin-plated brass outer shell.

technical specification

Body material	Glass filled polyester UL94V-0
Contact resistance	10mΩ max.
Temp range	-55°C to + 150°C
Insertions	1000

SSM = 1 tube

type	pitch	tube qty	stock no.	price per tube	
				1-4	5-9
8 way	0.3in.	50	197-2647	£ 5.86	£ 5.28
14 way	0.3in.	28	197-2653	£ 5.75	£ 5.18
16 way	0.3in.	25	197-2669	£ 5.86	£ 5.28
18 way	0.3in.	22	197-2675	£ 5.80	£ 5.23
20 way	0.3in.	20	197-2681	£ 5.86	£ 5.28
24 way	0.3in.	16	197-4053	£ 5.61	£ 5.06
28 way	0.3in.	14	197-4069	£ 5.75	£ 5.18
22 way	0.4in.	18	197-2697	£ 5.80	£ 5.23
24 way	0.6in.	16	197-2704	£ 5.61	£ 5.06
28 way	0.6in.	14	197-2710	£ 5.75	£ 5.18
32 way	0.6in.	12	197-4081	£ 5.61	£ 5.06
40 way	0.6in.	10	197-2726	£ 5.86	£ 5.28
64 way	0.9in.	6	197-2732	£ 5.61	£ 5.06

Standard



Red glass-filled polyester body with gold-flashed contacts. Printed circuit mounting. Temperature range: -55°C to +150°C. Chamfered lead-ins for easy i.c. insertion.

S.S.M. = 5

type	stock no.	price each
8-way	401-583	5-245 £0-59 £0-534
14-way	401-649	£0-606 £0-546
16-way	401-655	£0-718 £0-648

Turned Pin Solder



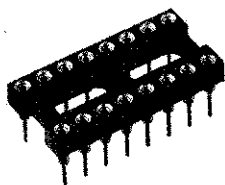
Low profile high-quality machined contact d.i.l. sockets comprising a four-finger (0.3µm) gold over nickel-plated beryllium-copper inner contact with a tin-plated brass outer shell. Moulded in black glass-filled flame-retardant polyester (UL94 V-0 rated). Temperature range -55°C to +180°C. Contact resistance: 10 mΩ max. Insertions: 1000.

S.S.M. = 5

type	stock no.	price each
6-way	402-529	5-120 £0-192 £0-18
8-way	402-298	£0-338 £0-304
14-way	402-305	£0-464 £0-428
16-way	402-311	£0-508 £0-458
18-way	402-535	£0-582 £0-53
20-way	402-541	£0-618 £0-556
22-way	402-557	£0-634 £0-582
24-way	402-327	£0-716 £0-644
28-way	402-333	£0-848 £0-776
40-way	402-349	£1-214 £1-12
64-way	424-664	£1-886 £1-698

Popular items in this range are also available in a larger pack size (BP). See the 'Stock Number Index and Quantity Price List' at the back of Part 3 for availability and size.

Formed Pin Low Profile



A range of low profile machined contact d.i.l. sockets with formed pin PCB terminations and funnel entry for easy flat and round lead insertion. The copper PCB pins are ideal for auto-machine insertion and sealed bases protect against flux and solder contamination. The reliable four point contacts are tinned beryllium copper.

Temperature range : -55°C to +105°C
Contact resistance : 10mΩ max.

S.S.M. = 5

type	stock no.	price each
8 way	404-733	5-45 £0-132 £0-12
14 way	404-749	£0-21 £0-192
16 way	404-755	£0-244 £0-222
18 way	404-761	£0-278 £0-254
20 way	404-777	£0-308 £0-28
22 way	404-783	£0-332 £0-302
24 way	404-799	£0-366 £0-334
28 way	404-806	£0-43 £0-392
40 way	404-812	£0-616 £0-56
64 way	404-828	£1-026 £0-934

● subject to design change

Tin-Plated Right Angle

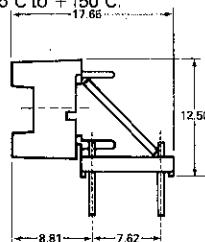
Two side stackable d.i.l. sockets extended to allow mounting at right angles to a PCB Tin-plated phosphor-bronze contacts in a blue polyester moulding.

Signals are conveyed between PCB terminations and socket contacts by means of an epoxy glass resin printed circuit board. For use with RS opto-electronic displays up to 16 ways with pins on 0.3 in × 0.1 in pitch. Temperature range: -55°C to +150°C.

Horizontal Mounting



S.S.M. = 1

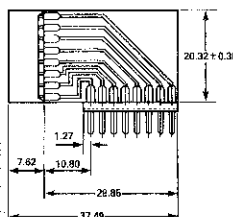


stock no.	price each
1-24	25-49
403-049	£2-81 £2-53

Vertical Mounting



S.S.M. = 1



stock no.	price each
1-24	25-49
403-055	£2-61 £2-36

Additional Data - DIL Sockets

Contact spacing 0.1 in pitch
row spacing

4-, 8-, 18-, 20-way	0.3 in
22-way	0.4 in
24-, 28-, 40-way	0.6 in
64-way	0.9 in

Wire Wrapping Tin Plate

Black glass-filled polyester body with tin-plated phosphor-bronze contacts.

Temperature range: -60°C to +120°C. For suitable wrapping tools refer to the Wire Wrapping

Note: Wirewrap size = 0.85 mm diagonal.

S.S.M. = 5

type	stock no.	price each
8-way	401-879	5-245 £0-574 £0-524
14-way	401-885	£0-744 £0-672
16-way	401-891	£0-836 £0-752
18-way	402-276	£1-034 £0-932
20-way	402-282	£1-122 £1-01
24-way	402-119	£1-286 £1-158
28-way	402-125	£1-84 £1-654
40-way	402-197	£2-254 £2-03

Turned Pin



Terminal size 0.635 × 0.635
Terminal length 13
Height above p.c.b. 4.9

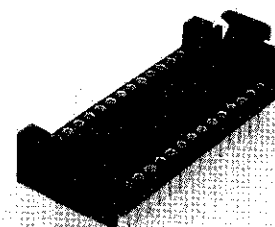
Wire-wrap sockets in d.i.l. and s.i.l. types offering the same design features and specification as the RS solder pin sockets but with 13 mm tin-plated brass terminations to allow three wraps per pin. The 32-way s.i.l. socket has notches along the side to enable it to be reduced to the required length.

Refer to the PCB's and Prototyping Systems section for suitable wire-wrap tools. Not suitable for use with 'unstripped wire' development systems.

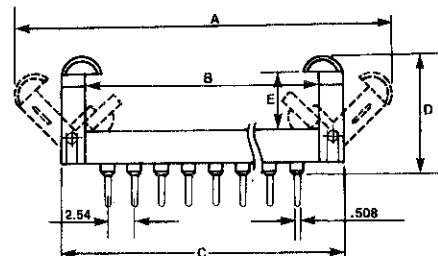
S.S.M. = 5

type	stock no.	price each
8-way	402-737	5-120 £0-56 £0-504
14-way	402-563	£0-852 £0-766
16-way	402-579	£0-968 £0-87
18-way	402-585	£1-044 £0-938
20-way	402-591	£1-142 £1-028
22-way	402-608	£1-214 £1-092
24-way	402-614	£1-268 £1-158
28-way	402-620	£1-456 £1-312
40-way	402-636	£2-082 £1-874
32-way (s.i.l.)	402-642	£1-938 £1-744

Eject Sockets



These sockets have a low profile, with a unique ejector/latching action. They are ideal for use where frequent removal of an IC is anticipated or where vibration may make other types unsuitable. The removal action ensures that the IC pins are undamaged. High reliability is ensured by the collet type contacts, which will accept either round or rectangular pins. The contacts are gold plated over beryllium copper and have tin-plated brass solder tails.



NO OF WAYS	A	B	C	D	E
24	45.7	32.25	37.85	11.7	4.62
28	50.4	37.34	43.0	11.7	4.62
40	66.6	52.57	73.7	11.7	4.62

S.S.M. = 1

type	stock no.	price each
24 way	404-907	1-24 £2-45 £2-32
28 way	404-913	£2-60 £2-47
40 way	404-929	£3-65 £3-47