

547-141 To 547-207

SURFACE MOUNT OPEN FRAME Collet Sockets

OSCILLATOR Sockets

RS232 Surge Protector Sockets

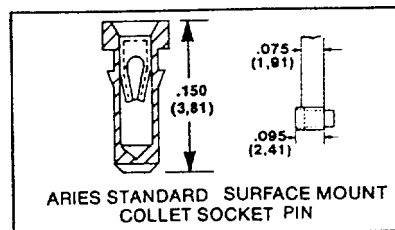
P.O. Box 130, Frenchtown, NJ 08825
Phone 1-908-996-6841
FAX 1-908-996-3891



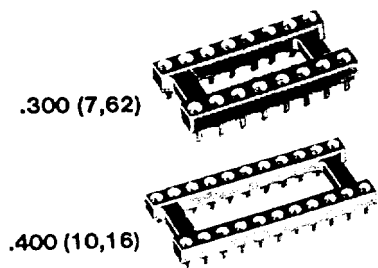
FEATURES

- Low cost, high production use sockets with Aries high reliability, screw-machined collet contacts . . . with four point contact redundancy and superior insertion-to-withdrawal ratios.
- Open frame allows more efficient utilization of board space.
- Open frame design for better cooling.
- Aries superior surface mount collet pins for vapor phase soldering techniques.
- Collet accepts .015 (0,38) - .022 (0,55) leads.

- Platform UL94V0 rated.
- Compatible with automatic insertion equipment.



ARIES STANDARD SURFACE MOUNT COLLET SOCKET PIN



.300 (7,62)

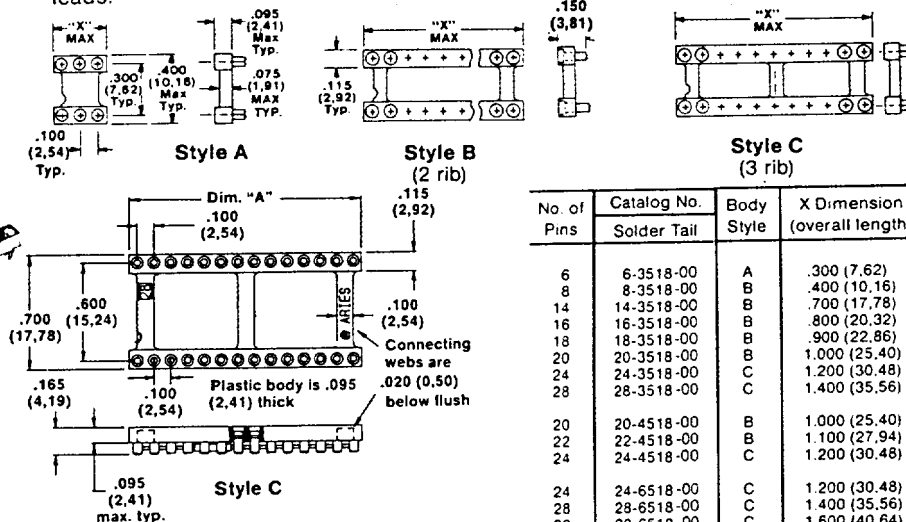
.400 (10,16)

.600 (15,24)

.900 (22,86)

Series 518 Surface Mount OPEN FRAME Collet Sockets

6, 8, 14, 16, 18, 20, 24, 28 pin
on .300 (7,62) centers
20, 22, 24 pin on .400 (10,16)
centers
24, 28, 32, pin on .600 (15,24)
centers



SPECIFICATIONS

Contacts: Collet - beryllium copper
Body - brass

Collet accepts: .015 - .022 (0,38 - 0,56) dia. round leads

Plating Collet: Be Cu plated with: 10µ gold min. per MIL-G-45204 over 50µ nickel per QQN-290

Contacts: Brass plated with: 200µ tin min. per MIL-T-10727 over 50µ nickel per QQN-290

Pin: Brass plated with: 200µ tin min. per MIL-T-10727 over 50µ nickel per QQN-290

Platform: PET Thermoplastic Polyester

Material: PET Thermoplastic Polyester

How to Order

XX - X518 - 0 0

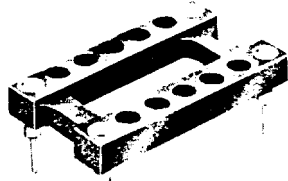
No. of Pins: 3 = .300 (7,62)
4 = .400 (10,16)
6 = .600 (15,24)
9 = .900 (22,86)

Row to row spacing

Plating: 0 = Gold collet/tin shell only

Pin Style: 0 = Surface Mount

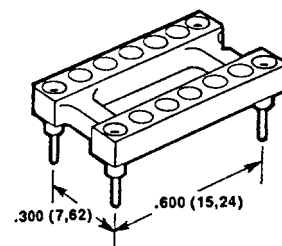
Series No.



Oscillator Sockets

Part No. 1107741

A four pin socket (pins 1-7-8-14) to accept an oscillator device. Sockets have Aries high reliability, high retention collet contacts which accept standard IC leads .015 (0,38) to .020 (0,50) dia. collet contacts are standard four fingered, gold plated beryllium copper. Shell is tin plated brass. The body is glass filled thermoplastic UL94V0 rated. Sockets are designed to be end-to-end or side-to-side stackable. These sockets are also machine insertable.



RS232 Surge Protector Sockets

14 pin on .300" (7,62) centers



RS232 SURGE PROTECTOR SOCKETS: These sockets can be used when replacing 1488 or 1489 ICs that have been "knocked out" by a transient, eliminating the need to ever replace them again. The "protector" feature of the sockets eliminate future transient knock out failures.

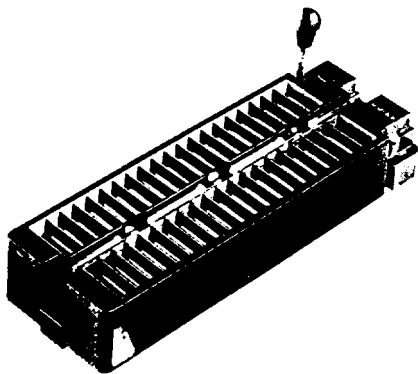
Part No. 1108020 for 1489 Receiver IC
Part No. 1108019 for 1488 Transmitter IC

Unit 3, Furtho Court,
Towcester Road, Old Stratford,
Milton Keynes MK19 6AQ
Tel: 0908 260007 Fax: 0908 260008



UNIVERSAL Test Socket Receptacle

FAX 1-908-996-3891



The new Aries Universal Test Socket is a direct replacement for other test sockets currently on the market, with a number of significant advantages:

- Priced 20% or more below competitive units!
- One socket accepts devices on either .300, .400 or .600 centers.
- All pin count sockets (24, 28, 32, 36, 40, 42, 44, 48) go into p.c.b.'s with either .300 or .600 centers.
- Sockets can be soldered into p.c. boards or plugged into any socket. Socket fits into Ariess or any competitive test socket receptacle.
- Contacts are normally closed to eliminate dependence on plastic to sustain contact.
- Accepts .015 to .045 wide leads.
- Available 24, 28, 32, 36, 40, 42, 44, 48 pins in body of UL94VO rated polyphenylene sulfide.

- Contacts available in heat treated beryll copper, tin plated (for up to 105°C) or gold plated (for up to 150°C).
- Nickel boron over copper-nickel-tin spinodal alloy for up to 200°C.
- Socket handle available UP or DOWN for closed position. Handle can also be reversed side-to-side (right or left hand). Consult factory for special handle, such as a crank, etc.
- Insulation Resistance — 1000 megohms min.
- Dielectric withstanding voltage — 1000 VAC min.
- Contact rating — 1 amp.
- Handle on right side, DOWN for ON.
- 25,000 — 50,000 cycles.
- The 48 pin unit is truly a Universal Test Socket. It accepts all pin counts from 6 thru 48 pins on .300, .400 or .600 centers!

Pins	Dim A	Dim B	"C"
24	1.79	1.10	1.615
	(45,46)	(27,94)	(41,02)
28	1.99	1.30	1.815
	(50,54)	(33,02)	(46,10)
32	2.19	1.50	2.015
	(55,62)	(38,10)	(51,18)
36	2.39	1.70	2.215
	(60,70)	(43,80)	(56,26)
40	2.59	1.90	2.415
	(65,78)	(48,26)	(61,34)
42	2.69	2.00	2.515
	(68,33)	(101,60)	(63,88)
44	2.79	2.10	2.615
	(70,86)	(53,34)	(66,42)
48	2.99	2.30	2.815
	(75,94)	(58,42)	(71,50)

• DISTANCE BETWEEN HOLES

***Other High Temperature Plating & Materials Available • Consult Factory**

UNIVERSAL ZIF Test Socket

24, 28, 32, 36, 40, 42, 44 and 48 positions

UNIVERSAL Test Socket Receptacle

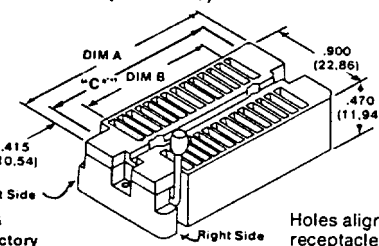
24, 28, 32, 36, 40, 42, 44 and 48 positions

HOW TO ORDER

Number of Positions **XX** 
 24, 28, 32, 36, 40,
 42, 44, 48
 Row to row _____
 spacing solders
 into board
 3 = .300
 6 = .600 (STANDARD)

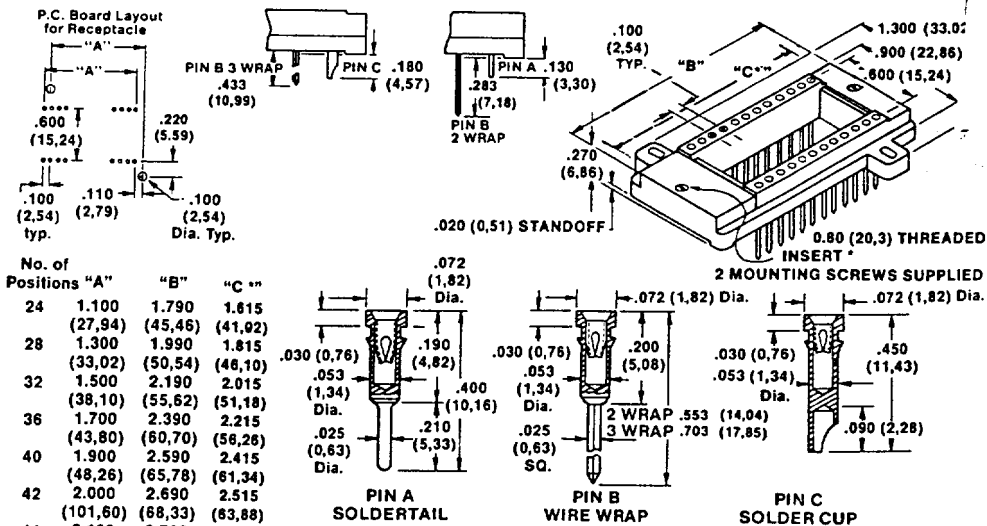
	Plating
	0 = 100
	1 = 10 μ
	6 = 50 μ

Right - DOWN is ON
(Consult factory for other options.)



Holes align with test socket receptacle holes (see below).

The Aries Universal Test Socket Receptacle is a sturdy, open frame and is easily mounted to p.c. boards. As well, the threaded inserts at both ends of the receptacle provide a firm and positive connection for the Universal Test Socket. Four choices of collet pins are offered to make the receptacle useful for any interconnection method.



HOW TO ORDER

* DISTANCE BETWEEN HOLES

MATERIAL SPECIFICATIONS

Plastic Body:	Polyphenylene Sulfide (PPS)
Pin Body:	Brass
Pin Collet:	Heat Treated Beryllium Copper

Number of Positions _____
24, 28, 32, 36, 40, 42, 44, 48

8
series

Pin Style _____

1 = Solder Tail
2 = 2 Wrap
3 = 3 Wrap
4 = Solder Cup

Plating

- 0 = 200 μ (5,08 μ m) tin over
100 μ (2,54 μ m) nickel on body.
10 μ (0,254 μ m) gold over 50 μ
(1,27 μ m) nickel on clip.
1 = 10 μ (0,254 μ m) gold over
50 μ (1,27 μ m) nickel on body.
10 μ (0,254 μ m) gold over 50 μ
(1,27 μ m) nickel on clip.

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