

SOCKET PINS

LOW PROFILE HIGH RELIABILITY SOCKET PINS FOR IC'S

These screw machine type receptacles may be easily inserted in .062" boards without the disadvantage of larger socket castings. D.I.P. devices with any number of terminals can be mounted end to end or side by side, which is usually not possible with more bulky molded sockets. The socket pins provide for maximum circuit density, especially in height, and are widely used in computer and similar industries where minimum size is important.



Features:

- Extend only .030" above board if used with .055" diameter holes or .155" with R32 model for .042" hole.
- Wide tapered lead-in entry for fast I.C. insertion.
- Internal four-fingered beryllium copper spring-clips engineered for optimum electrical connection.
- Can be inserted tightly into .055" diameter holes for R30 and R31, or .042" holes for R32.
- Excellent solderability or wrapability with gold plated solid brass shell.
- Exceptionally square pins for either hand or automatic wrapping of wire.

R31 SOCKET PINS WITH WRAP POST

Provides upto five wraps. The sharp corners "bite" into the wrapped wire. Shank is straight within .005" and may be used with both machine and manual wrapping tools. Requires .055" diameter mounting hole. Accepts tabs .013" to .023" max. dimension.

R30 SOCKET PINS WITH SOLDER TAIL CONFIGURATION

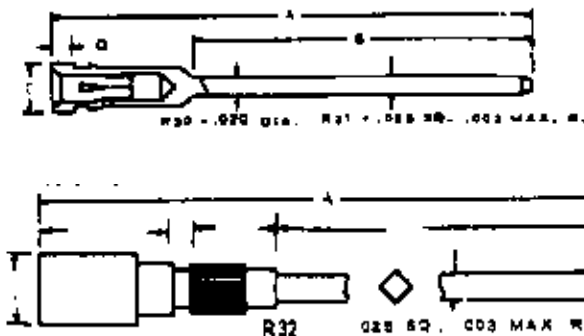
Similar to R31 but for use with printed circuit boards that are hand or dip soldered. Solder post is .110" long and extends .19" beyond 1/16" thick circuit board.

R32 SOCKET PIN FOR .042" DIA. HOLE

Internally, pin is similar to the R31 described above but with external knurled portion which press fits into the .042" dia. hole of "P" pattern Vectorbord so widely used with D.I.P. circuitry. It extends .155" above board surface. The socket accepts round or rectangular tabs having from .013" to .023" maximum dimension.

SPECIFICATIONS

Contact spring-beryllium copper in accordance with QQ-C-530, gold plated .000020 inches in accordance with MIL-G-45204, Type II, directly over a low stress (ductile) nickel plating of .000050 inches in accordance with QQ-N-290. Body material - brass 1/2" hard, in accordance with QQ-B-626, flash gold plated to .000010 inches, over low stress nickel plating, in accordance with QQ-N-290, to thickness of .000050 inches.



ORDERING INFORMATION

Cat No.	MALE PIN					DEPTH	PKG.
	A	B	C	D	E		
R30	.286	.110	.072	.030		.15	25, 100 & 1000
R31	.703	.500	.072	.030		.17	25, 100 & 1000
R32	.745	.500	.072	.155	.075	.17	25, 100 & 1000
P158	Impact Insertion Tool						1
D10	Die Point for Use with P158 to Insert R30, R31						1
D9	Die Point for Use with P158 to insert R32						1