

R10 SOCKET & ACCESSORY INFORMATION



SOCKET SPECIFICATIONS

Contact Material:

Spring brass, tin plated or gold flashed.

Body Material: 2 and 4 pole: polyester.
6 and 8 pole: phenolic.

Voltage Drop: 30mV max. @ 10A.

Dielectric Strength: 1,000V rms.

Insulation Resistance: 10⁹ megohms.

Max. Current: 10A (except 27E215 and 27E216 are 1A, max.)

SOLDER OR PC TERMINAL SOCKETS

Rugged, molded socket body retains floating terminals of either solder or printed circuit pin configuration. PC terminal sockets are offered with pins in either 0.1" (2.54 mm) grid or in-line arrangement.

GROUNDING PROVISIONS

Pre-installed on sockets

Not for use at 5A AC and above.

Grounding Strip: Mounting stud of relay contacts grounding strip. Grounding strip is grounded with screw or rivet through round hole in socket.

Grounding Terminal (PC sockets only):

Mounting stud of relay contacts ground terminal through square hole in socket.



STRIP



TERMINAL

Caution:

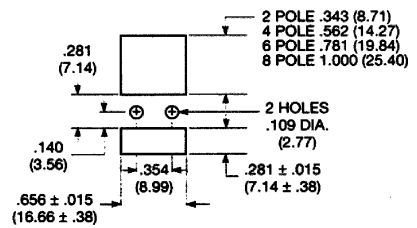
Printed circuit sockets are manufactured with "floating" (loose) terminals. This permits them to align with holes in the circuit board and with the relay terminals. During the mounting and soldering of the socket, vertical float should be eliminated and the terminals seated on the board. (This may be accomplished by inserting a dummy relay in the socket.) Failure to eliminate float may cause fracture of the solder joint or separation of the copper conductor from the printed circuit board when a relay is inserted in the socket after soldering.

ORDERING DATA - Stock items are boldfaced.

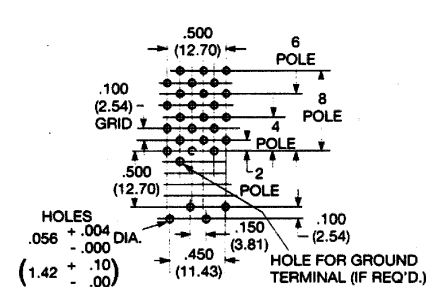
Socket Part No.	No. of Poles	Type of Terminal	Grounding Provision
Tin Plated			
27E125	2	Strip	Strip
27E126	4	Strip	Strip
27E127	6	Strip	Strip
27E211	8	Strip	Strip
27E162	2	None	None
27E163	4	None	None
27E164	6	None	None
27E241	8	None	None
27E128	2	Strip	Strip
27E129	4	Strip	Strip
27E130	6	Strip	Strip
27E254	8	Strip	Strip
27E212	2	PC Stag.	None
27E213	4	.180" long	None
27E271	6	(4.57 mm)	None
27E258	8	None	None
27E193	2	Terminal	Terminal
27E194	4	Terminal	Terminal
27E195	6	Terminal	Terminal
27E262	8	Terminal	Terminal
27E636	2	PC Stag.	Strip
27E637	4	.210" long	Strip
27E638	6	(5.33 mm)	Strip
27E631	2	Strip	Strip
27E632	4	Strip	Strip
27E340	6	PC In-line	Strip
27E342	2	.180" long	None
27E629	4	(4.57 mm)	None
27E630	6	None	None
27E338	4	Terminal	Terminal
27E633	2	PC In-line	Strip
27E634	4	.210" long	Strip
27E635	6	(5.33 mm)	Strip

All tolerances $\pm .010$ ($\pm .25$) unless otherwise noted.

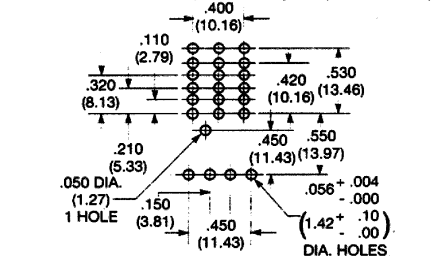
SUGGESTED PANEL CUTOUT



SUGGESTED BOARD LAYOUT (Component Side)



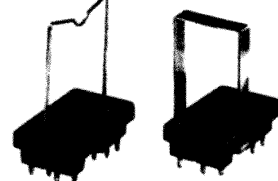
SUGGESTED BOARD LAYOUT (Component Side)



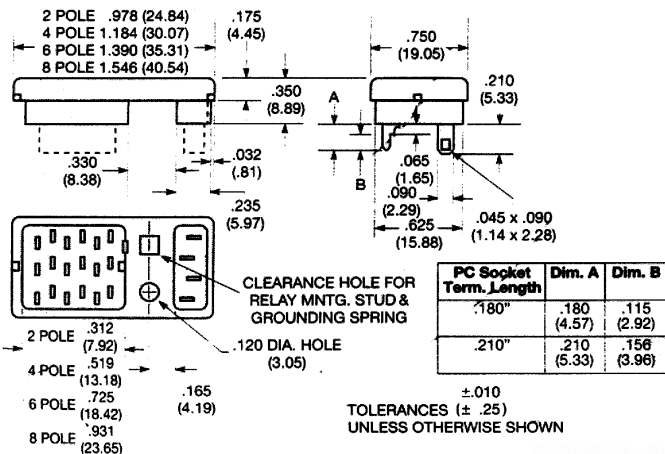
Hold Down Springs/Straps For Use With R10 Sockets

Part No.	No. of Poles	Description
20C249	2	Wire Hold Down Spring
20C250	4	Wire Hold Down Spring
20C251	6	Wire Hold Down Spring
20C266	8	Wire Hold Down Spring
20C259	All	Wire Hold Down Strap (PC only)
20C300	2 (R10S)	Hold Down Spring
20C301	4 (R10S)	Hold Down Spring

HOLD DOWN SPRING HOLD DOWN STRAP (PC Sockets Only)



SOLDER & PC TERMINAL SOCKET OUTLINE DIMENSIONS



PC Socket Term. Length	Dim. A	Dim. B
.180"	.180 (4.57)	.115 (2.92)
.210"	.210 (5.33)	.156 (3.96)

$\pm .010$
TOLERANCES ($\pm .25$)
UNLESS OTHERWISE SHOWN

37D645 - MOUNTING STRIP

Strip of .060" (1.52 mm) aluminum contains ten pre-punched, breakaway mounting plates. Each plate accommodates a 2, 4, 6 or 8 pole solder terminal R10 relay or socket to facilitate chassis- or rack mounting.

