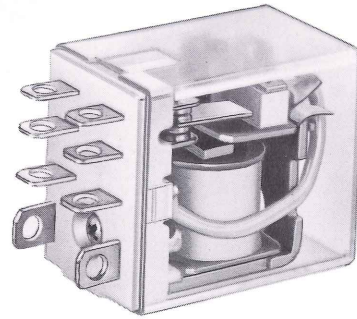


**1390 AC**  
**1395 DC**



**1390P AC**  
**1395P DC**

**Large Control Capacity in a Small, Low Cost Package**  
**DPDT, 13 AMP, AC or DC**

1390/1395—About one-half the size of competitive relays that perform the same switching function. Rugged construction and sturdy, heat resistant Lexan dust enclosure make these relays capable of absorbing the normal physical punishment encountered in your most demanding applications. Mechanical life in excess of 100 million operations. QC, 3/16", solder lug or printed circuit terminals. Choice of sockets with solder lug or printed circuit or screw terminals. Side mount/permanent stud mounting bracket available.

**SPECIFICATIONS**

**Insulating Material:** Molded parts are phenolic resin for high arc resistance.  
**Insulation Resistance:** 1,500 megohms minimum.  
**Expected Life—Mechanical:** In excess of 100 million operations.  
**Breakdown Voltage:** 500 VRMS 60 Hz between contacts; 1,500 VRMS 60 Hz between contacts and field piece, between contacts and coil, between coil and field piece.  
**Temperature Range:** -45°C to +70°C.  
**Time Values:** Nominal voltage @ 25°C—Pull-in-time, 15 milliseconds maximum; Drop-out-time, 20 milliseconds maximum.  
**Approximate weight:** 1.25 oz.  
**Terminals:** Dual Type—3/16", solder lug or printed circuit standard.  
**Enclosures:** Heat resistant dust cover of clear Lexan standard.

**CONTACTS**

**Arrangement:** 2 Form C (2PDT)  
**Material:** Silver cadmium oxide, .170" diameter standard. Also available with silver or silver/palladium alloy.  
**Rating:** 13 amperes at 30VDC or 120VAC resistive. 1/3 hp at 120VAC.  
**Electrical Life:** 100,000 minimum @ rated load.

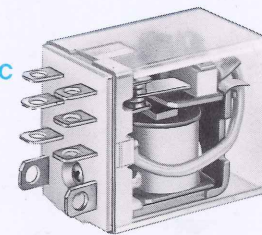
**COIL**

**Voltage:** 6 to 120VAC, 50/60 Hz; 6 to 110VDC standard. Other voltages available on request.  
**Resistance:** See Chart.  
**Power:** 1.2 volt amperes at nominal AC voltage @ 25°C. 0.9 watts at nominal DC voltage @ 25°C.

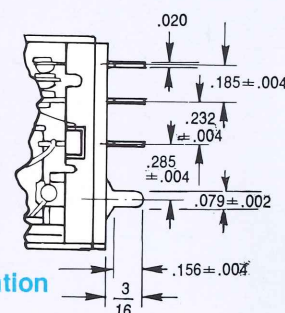
COIL RESISTANCE DATA					
AC			DC		
Nom. Volts 50/60 Hz	±10% Tol. Coil Resistance (OHMS DC)	Max. Attract Voltage	Nom. Volts DC	±10% Tol. Coil Resistance (OHMS DC)	Max. Attract Voltage
6	10	5.1	6	40	4.8
12	45	10.2	12	160	9.6
24	160	20.4	24	650	19.2
48	670	40.8	48	2600	38.4
120	3900	102	90	9000	72.0
			110	11000	88.0

Resistances available from Distributor Stock are indicated in blue.

1390P AC • 1395P DC  
Printed Circuit

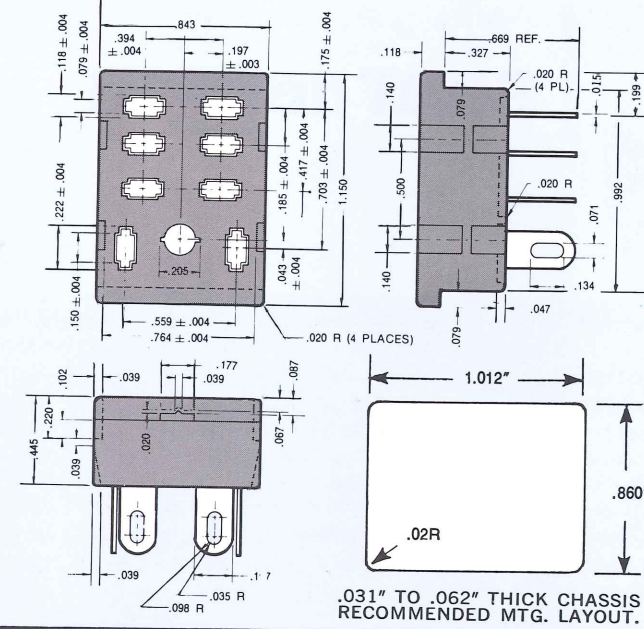


PC Termination

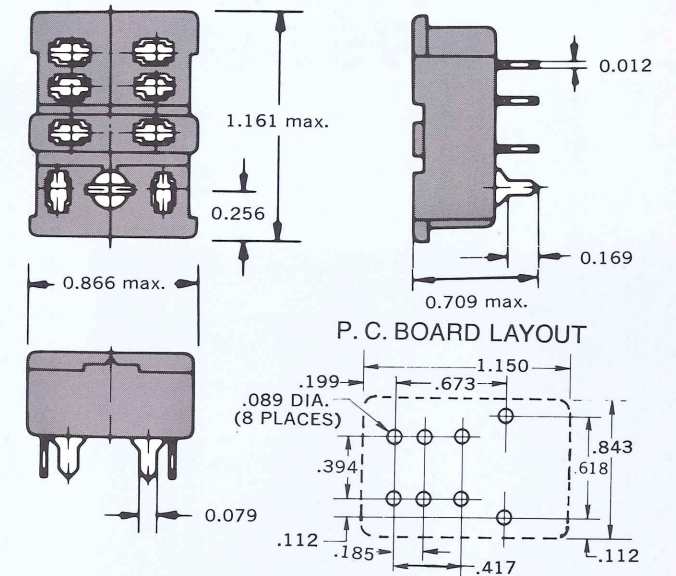


**SOCKETS**

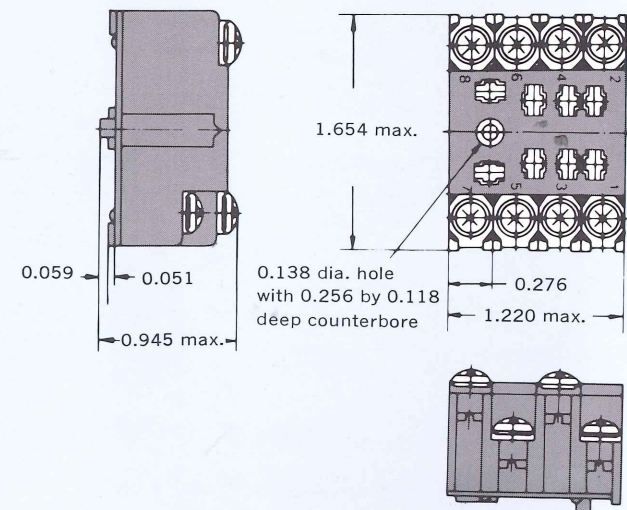
**SOLDER LUG TERMINALS**  
Part Number 1390-1ST



**PRINTED CIRCUIT TERMINALS**  
Part Number 1390-2PC

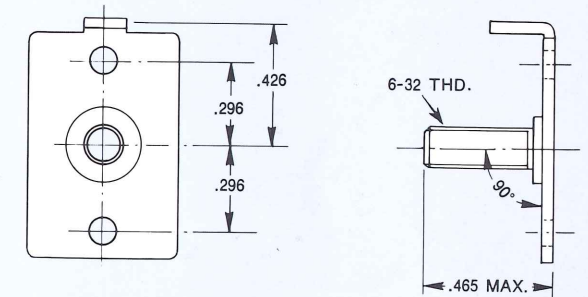


**SCREW MOUNT** Part Number 1390-5SM

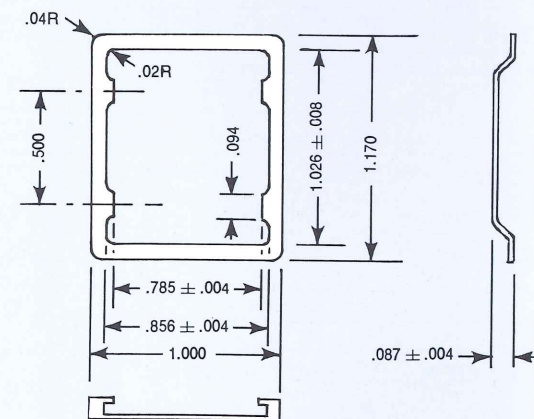


**SIDE MOUNT/PERMANENT STUD BRACKET**

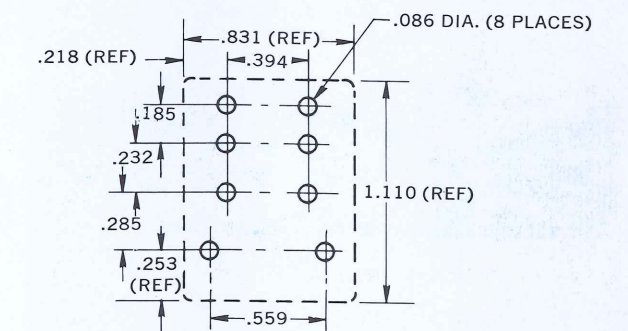
Allows mounting relays in any position  
... top or sides.  
Specify A074-500226-00 and location desired.  
Bracket must be factory installed.



**SOCKET RETAINER CLIP** to secure 1390-1ST socket to chassis. Part Number 141-200079-00



**P.C. BOARD LAYOUT FOR P.C. RELAY**



This mark indicates recognition under the component program of Underwriters Laboratories, Inc.