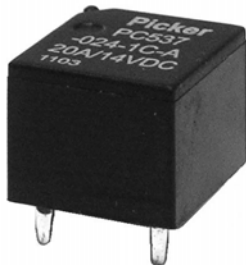


Ultraminiature Automotive PCB Power Relay

PC537



FEATURES

- Ultraminiature design very light weight
- Through hole or SMT construction
- Contact switching capacity up to 100 Amps
- Sealed, immersion cleanable
- 105 degrees C operating temperature
- Made with UL Class F materials
- **Now available Lead Free & RoHS Compliant**

CONTACT RATINGS

Contact Form	1 Form A or 1 Form C SPST NO or SPDT
Max Switching Current	Make 100 Amps
	Break 30 Amps
Max. Switching Voltage	16 VDC
Max. Continuous Current	NO/30 Amps, NC/25 Amps
Minimum Load	0.5 Amps @ 12 VDC

CONTACT DATA

Material	AgNiO 15 (Silver Nickel Oxide 15%) AgSnOInO (Silver Tin Oxide Indium Oxide)	
Initial Contact Resistance	100 milliohms max @ 0.1A, 6VDC	
Service Life	Mechanical	1 X 10 ⁷ Operations
	Electrical	1 X 10 ⁵ Operations

CHARACTERISTICS

Operate Time	3 ms. typical
Release Time	1.5 ms. typical
Insulation Resistance	100 megohms min, at 500VDC, 50%RH
Dielectric Strength	500 Vrms, 1 min. between coil and contacts
Shock Resistance	30 g, 6 ms, functional; 100 g, destructive
Vibration Resistance	6g, 10 - 500 Hz
Drop Resistance	1 Meter height drop on concrete
Power Consumption	0.55 W
Ambient Temperature Range	-40 to 105 degrees C operating, -40 to 155 storage
Weight	4 grams approx.

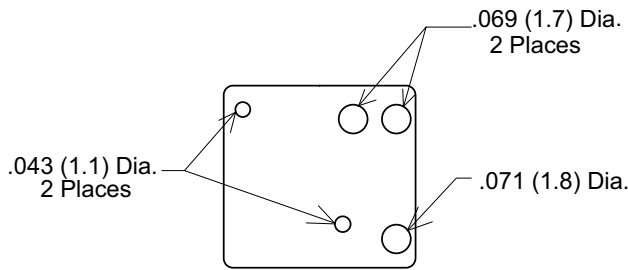
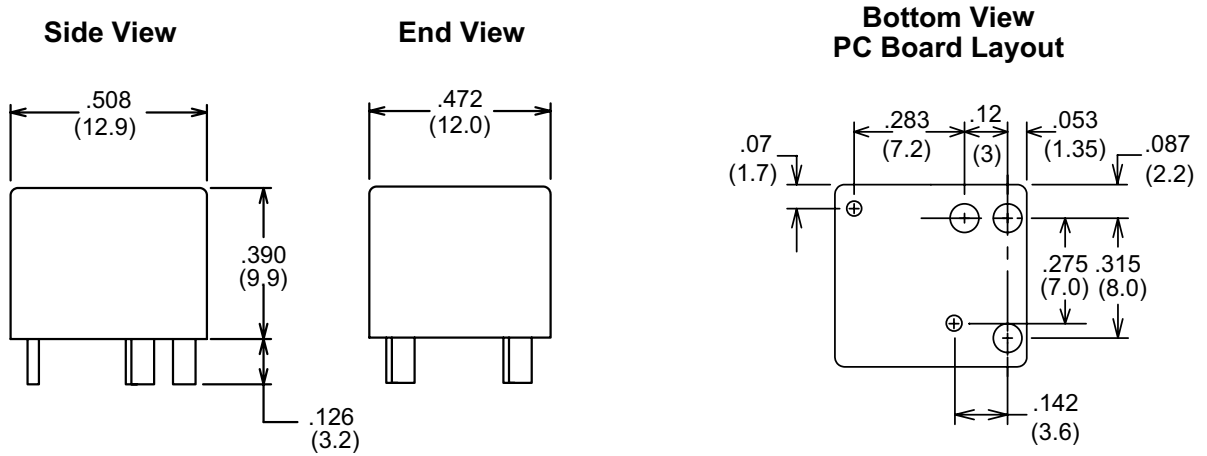
ORDERING INFORMATION

Example:	PC537	-1C	-12	S	-N	S	-X
Model							
Contact Form							
1A or 1C							
Coil Voltage							
Case Style							
C: Dust cover; S: Sealed							
Contact Material							
Nil: AgSnOInO; C: AgCdO; N: AgNi; G: AgSnOInO+AU							
Mounting Style							
Nil: Through Hole, S: SMT							
RoHS Compliant							
Nil: Not Rohs, -X: RoHS Compliant							

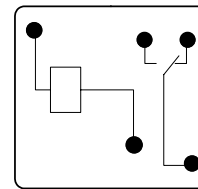
COIL DATA

Coil Voltage Code	Resistance ohms $\pm 10\%$	Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)	Continuous Voltage Max. (VDC)
06	64	3.5	0.75	13.6
10	181	5.7	1.25	22.7
12	254	6.9	1.5	27.2
24	1000	14.0	3.0	54.4

**Dimensions in Inches (millimeters)
Drawings are 2X actual size**



**Bottom View
PC Hole Sizes**



**Bottom View
Wiring Diagram**

Notes:
 Contact Form C shown
 On Contact Form A Unused Pin is Omitted
 Tolerances $\pm .010$ unless otherwise noted
 Maximum make current refers to inrush of a lamp load
 In 85 degree C ambient reduce maximum coil voltage to 72%



3220 Commander Drive, Suite 102, Carrollton, Texas 75006

Sales: Call Toll Free (888) 997-3933 Fax (818) 342-5296 email: pickerwest@sbcglobal.net URL: pickercomponents.com