

Ultraminiature Automotive PCB Twin Relay	PC567
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CHARACTERISTICS

Operate Time	10 ms Max
Release Time	5 ms Max
Insulation Resistance	100 MΩ min at 500VDC,
Dielectric Strength	500 V 50 Hz between contacts 1,000 V 50 Hz between coil and contacts
Shock Resistance	98 m/s ² 11 ms
Vibration Resistance	10 Hz - 500 Hz; Acceleration: 43.1 m/s ²
Terminal Strength	5 N
Solderability	260°C for 5 seconds
Operating Temperature	-40°C to 85°C Standard
Operating Temperature	-40°C to 105°C Class F
Relative Humidity	85% (40°C)
Weight	4.1 g
Power Consumption	Nil: 640 mW; H: 800 mW

FEATURES

- Ultraminiature Design
- Sensitive Coil (Low Pull In Voltage)
- Contact Switching Capacity up to 30 Amps
- UL Class F Insulation Available
- Sealed, Immersion Cleanable
- RoHS Compliant
- Available as a Single see PC565

CROSS REFERENCES

Omron G8NW
Omron G8NB-2U-DC12 & G8NW-2H-DC12 Cross to PC567-2C-12H-X

Song Chuan 103T
Song Chuan 103T-1CH-S-12VDC Crosses to PC567-2C-12H-X

CONTACT RATINGS 14 VDC

Contact Form	2 Form C 2-DPDT
Max Switching Current	30 A
Max Switching Power	480 Watts
Max Switching Voltage	16 VDC
Max Continuous Current (Resistive)	25 A
Motor Locked Rotor	25 A at 14 VDC

CONTACT DATA

Material	AgSnO ₂	
Service Life	Electrical	1 x 10 ⁵ Operations
	Mechanical	1 x 10 ⁶ Operations

ORDERING INFORMATION

Example:	PC567	-2C	-12	H	-X
Model:	PC567				
Contact Form:	2C				
Coil Voltage:	12				
Enclosure:	Nil: Sealed, S1: Flux Tight⁽¹⁾				
Coil Power:	Nil: 640 mW H: 800 mW				
Insulation System:	Nil: -40° C to +85° C; F: -40° C to +105° C*				
RoHS Compliant:	X				

*White cover and suited for reflow soldering.

(1) Flux Tight relays are constructed such that Flux will not enter the relay in an automated soldering process, they are NOT Suitable for water wash cleaning.

Box Quantity: 1,080

COIL DATA

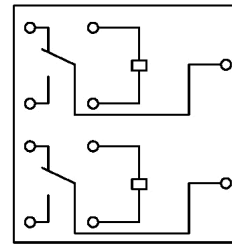
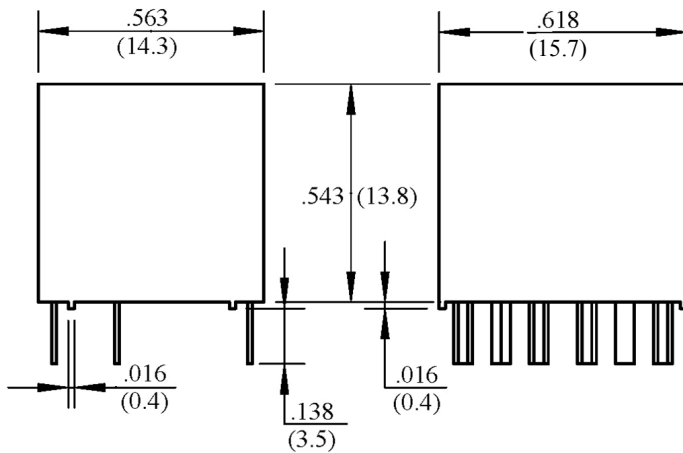
Coil Option	Coil Voltage (VDC)		Resistance (Ohms ± 10%)	Must Operate Voltage Max (VDC)	Must Release Voltage Min. (VDC)	Coil Power (mW)
	Rated	Max				
H:	12	16	384	6.5	1.0	800
Nil:	12	16	480	7.2	1.0	640

NOTES:

The use of any coil voltage less than the rated voltage will compromise the operation of the relays.
 Must Operate Voltage and Release voltages are for test purposes only and are not to be used as design criteria.

DIMENSIONS

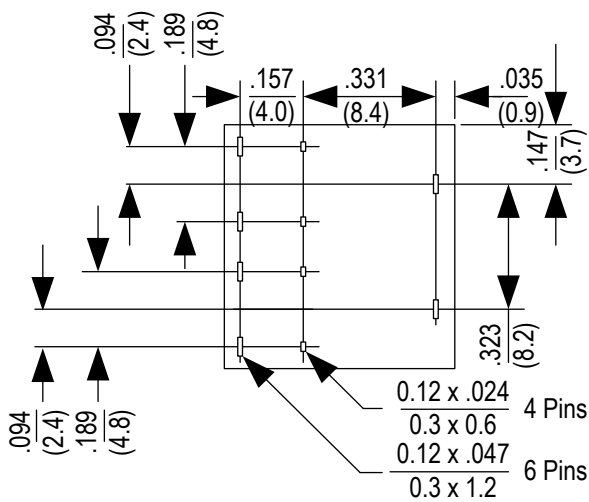
Dimensions are in mm, Inches are listed for reference only



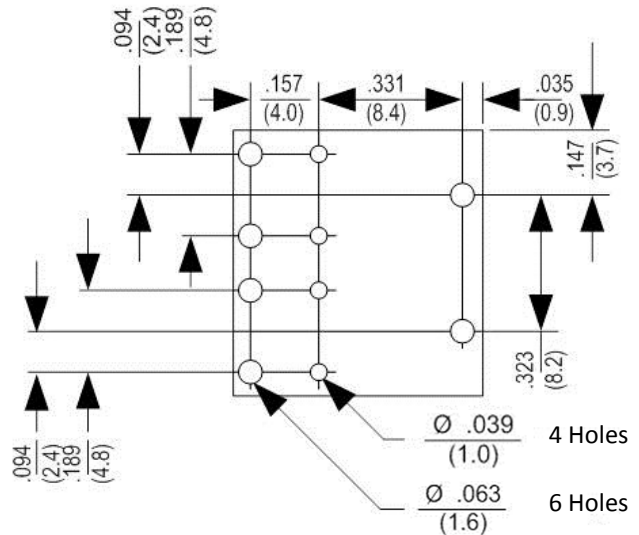
Relay (Front View)

Relay (Side View)

Wire Diagram



Terminal Layout (Bottom View)



PC Board Layout