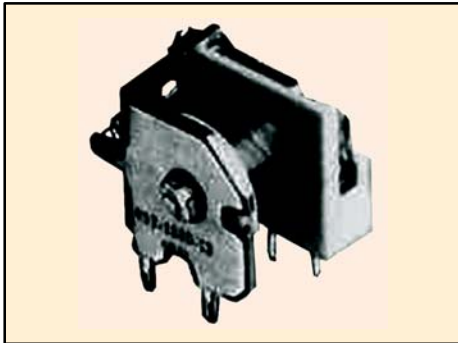


Features

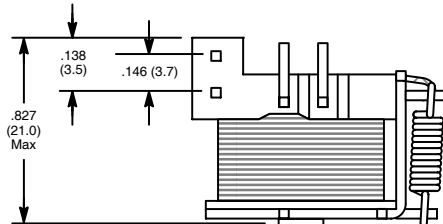
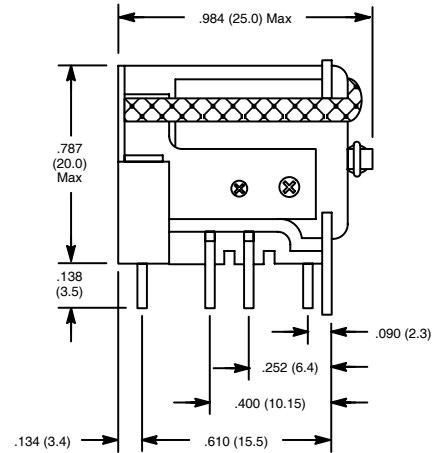
- P.C. Board Mountable
- Standard U.S. Footprint
- Subminiature Size
- Open Frame
- SPST & SPDT Versions



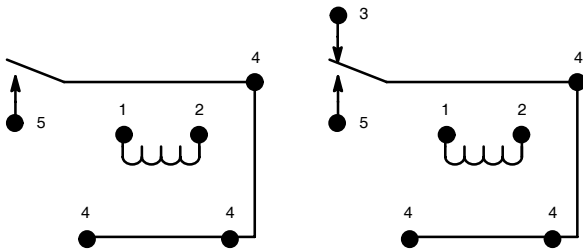
R52 Series

Subminiature, 40 Amp, PC Mountable, Heavy Duty Automotive Relay.

D48



SPST-NO, 1 Form "A" SPDT, 1 Form "C"



Electrical Specifications

Contact

Rating: 40 Amp @ 14VDC
Max. Switching Voltage: 60VAC, 75VDC
Resistance: 50mΩ Max
Material: AgSnO₂

Coil

Coil Voltages: See Chart
Pick-up Voltages: 70% of rated voltage
Drop-out Voltages: 10% of rated voltage
Max. Allowable Voltage: 120% of rated voltage
Resistance: See Chart

Operational Characteristics

Timing Values: **Operate Time:** 10 mS typ
Release Time: 10 mS typ

Insulation Characteristics

Dielectric Strength

Between Coil & Contacts: 750 VRMS
Between Contacts: 750 VRMS
Insulation Resistance: 100MΩ Min

Environmental Characteristics

Operating: -30°C to +85°C

Life

Mechanical: 10 x 10⁶ (No Load)
Electrical: 10 x 10⁴ (Resistive Load)

Weight

Std: 0.63 oz (18 grams) approx

| DC OPERATED | | | | | | |
|--------------|------------|--------------|----------------------|------------|---------------------------|----------|
| NTE Type No. | Nom. Volt. | Contact Arr. | Coil Res. Ohms (Typ) | Nom. Power | Max. Contact Cur. @ 14VDC | Diag No. |
| R52-1D40-12 | 12VDC | SPST-NO | 120 | 1.2W | 40A | D48 |
| R52-5D40-12 | 12VDC | SPDT | 120 | 1.2W | 40A | D48 |