

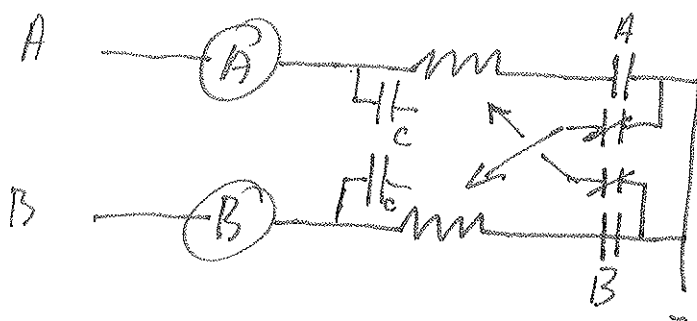
Battery Changeover

When the first battery is connected the pulse of current through capacitor Ca/b picks up the associated relay latching through the trimpot & n/o contact at the same time disabling the other relay.

When the first battery discharges to a point where it can no longer hold it's relay, the relay drops out closing the n/c contact to pick up and latch the other relay.

Only 1 relay has load contacts so that in the event both relays drop out at least 1 battery is connected.

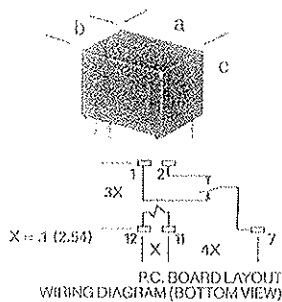
When not in circuit the capacitors discharge through the bleed resistor



By re-arranging less pairs of contacts are required

P&B/Tyco Board Relays

344
C94



T81 SERIES

ULTRAMINIATURE, HIGH DENSITY PC BOARD RELAY

DIP terminals are arranged on a 0.1×0.1 (2.54 x 2.54) grid. Suggested hole diameter is .041±.006 (1.04±.13).

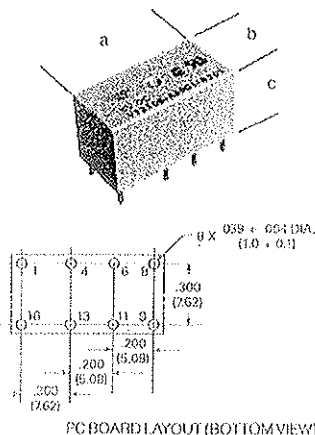
FEATURES:

- Gold clad contacts in a 1 Form C contact arrangement.
- Standard 0.1×0.3 grid spacing in a DIP configuration.
- Standard or sensitive DC coils through 24 volts.
- High dielectric strength.
- Immersion cleanable, plastic sealed case.
- Approx. dimensions a(15.4) x b(11.4) x c(11.0h).
- Weight 4g.
- Contact Rating 1A @ 24VDC or 0.5A @ 120VAC, resistive.
- UL File E29244, CSA File LR48471.

T81 PRINTED CIRCUIT BOARD RELAYS

Cat. No.	Coil			Contacts		Net Price
	Input (VDC)	Res. in Ohms	Nom. Power in mW	Arrang.	Amp Rating	
T81HSD312-05	5	120	450	SPDT	1*	\$2.69
T81HSD312-06	6	160				3.78
T81HSD312-12	12	700				3.11
T81HSD312-24	24	2,000				2.69
T81NSD312-05	5	55	200	SPDT	1*	3.44
T81NSD312-12	12	320				3.28
T81NSD312-24	24	280				2.61

*Denotes UL.
*Denotes CSA.



V23105 SERIES HIGH SENSITIVITY, DIP PC BOARD RELAY

FEATURES:

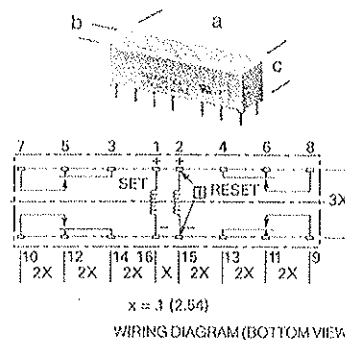
- Standard DIP configuration mates with 16-pin socket.
- Meets FCC Part 68 (10/160µs).
- For applications in telecommunications, office automation, security devices, measurement and control equipment.
- Immersion cleanable, plastic sealed case.
- Ultrasonic cleaning not recommended.
- 3A rating.
- Approx. dimensions: a(20.3) x b(10.1) x c(11.43h).
- Weight: 6g.
- Contact rating: 3A, AC or DC, 250VDC, 230VAC, 60W or 120VA, resistive.

V23105 PRINTED CIRCUIT BOARD RELAYS

Cat. No.	Coil			Contacts		Net Price
	Input (VDC)	Res. in Ohms	Nom. Power in mW	Arrang.	Amp Rating	
STANDARD ULTRA-SENSITIVE COIL						
V23105A5001A201	5	167	150	DPDT	3*	\$2.72
V23105A5003A201	12	960				2.78
V23105A5005A201	24	3,480				2.89
V23105A5401A201	5	62	400	DPDT	3*	2.85
V23105A5403A201	12	360				2.72
V23105A5405A201	24	1,440				2.84
V23105A5407A201	48	5,760				3.58

*Denotes UL.
*Denotes CSA.

I figure this relay will probably hold in at less than 5mA



T84 SERIES

4 POLE, HIGH DIELECTRIC PC BOARD RELAY

1. Second set of coil terminal is for dual coil latching version.
2. Schematic shows de-energized position for non-latching version; "reset" position for latching version.
3. Coil polarity shown must be observed for non-latching versions.
4. For single coil latching, polarity shown results in "set". Reverse polarity results in "reset".

P.C. BOARD LAYOUT

DIP terminals are arranged on a 0.1×0.1 (2.54 x 2.54) grid. Suggested hole diameter is .032 (0.8).

FEATURES:

- Meets FCC Part 68 isolation.
- 4 Form C contact arrangement.
- Standard 0.1×0.3 grid spacing in a DIP configuration.
- Standard or sensitive DC coils through 48 volts.
- Immersion cleanable, plastic sealed case.
- Approx. dimensions a(35.4) x b(10.1) x c(10.1h).
- Weight 7g.
- Contact Rating 1A, AC or DC, 120 VAC or VDC, 24W or 60VA, resistive.
- UL File E29244, CSA File LR35579.

T84 PRINTED CIRCUIT BOARD RELAYS

Cat. No.	Coil			Contacts		Net Price
	Input (VDC)	Res. in Ohms	Nom. Power in mW	Arrang.	Amp Rating	
NON-LATCHING TYPES						
T84S17D214-05	5	125	200	4PDT	1*	\$9.66
T84S17D214-12	12	720				9.68
T84S17D214-24	24	2,880				9.66
T84S17D214-48	48	11,520				8.62
T84S17D414-12	12	360	400	4PDT	1*	9.66
T84S17D414-24	24	1,440				9.66
T84S17D414-48	48	5,760				9.66
DUAL COIL LATCHING TYPES						
T84S17D234-05	5	139	180	4PDT	1*	9.12
T84S17D434-05	5	69	360	4PDT	1*	9.12
T84S17D434-12	12	400				9.12

*Denotes UL.
*Denotes CSA.