

MHTAL

Relay Cross Reference

* All relays used on the MHTAL logic board can be defined as follows:

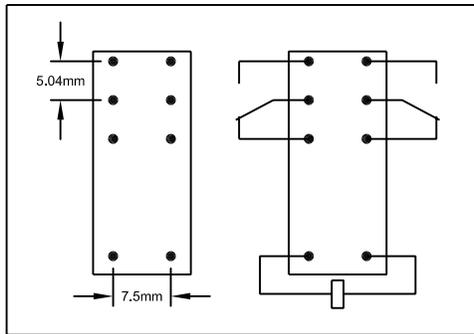
1. Coil voltage: 24VDC
2. Coil Type: Non Latching
2. Family: "Signal" or "Power"
3. Contact Form: SPDT or DPDT

Identifying Signal relays:

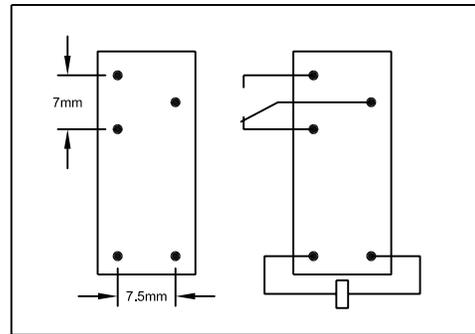
- * These relays are in a ~3/8" x ~3/4" package and soldered to the PCB
- * Examples of Signal relays are "OK" and "ELR"
- * A cross reference for the Signal relays is as follows:
 - Omron Part Number: G5V-2-DC24
 - Digi-Key Part Number: Z769-ND

Identifying Power relays:

- * These relays are in a ~1/2" x ~1 1/8" package and are generally socketed to the PCB
- * These relays are either SPDT or DPDT



DPDT (Bottom View)



SPDT (Bottom View)

Power relay Cross Reference:

- * The pin spacing has remained constant throughout the production of the MHTAL.
- * Due to product availability multiple relay manufacturers have been used at various times.
 - * The difference between these relays is the height.
 - * Selecting the proper relay will allow you to reuse the existing retaining clips.
- * The following table is the Power Relay cross reference based on relay height.

Relay Height	DPDT	SPDT
~0.625"	Mfg: TECO Mfg P/N: RT424024F Digi-Key P/N: RT424024F-ND	Mfg: TECO Mfg P/N: RT114024 Digi-Key P/N: PB955-ND
~0.825"	Mfg: Panasonic Mfg P/N: JW2SN-DC24V Digi-Key P/N: 255-1118-ND	Mfg: Panasonic Mfg P/N: JW1FSN-DC24V Digi-Key P/N: 255-1115-ND
~1"	Mfg: Omron Mfg P/N: G2R-2-DC24 Digi-Key P/N: Z2870-ND	Mfg: Omron Mfg P/N: G2R-1-DC24 Digi-Key P/N: Z2840-ND