

6.15 JUMPER DESCRIPTIONS

The various jumpers for the 30062-XXX board and description of their functions is given below:

- "E1" When installed, ties the Main board logic ground to chassis ground. When not installed, Main board logic ground isolated from chassis ground via a 0.47 microfarad ceramic capacitor.
- "EN" When installed, disables the QIC-24 Track 0 search function. Tape type determination (300/600) will be performed after a RESET command as soon as GO command is issued. When not installed, QIC-24 Track 0 search function and tape determination will be performed after a RESET command as soon as the GO command is issued.
- "MDS IN" Reserved for future product use.
- "MDS EX" Reserved for future product use.
- "9/12" When installed, Track locations will always be at QIC-24 9TRK specified locations. This jumper has been hard wired on the circuit board. Therefore, there will be no jumper installed at this location.
- "HC" When installed, write current and read gains selected by the "HC" interface control line from the formatter/controller.
- "IHC" When installed, write current and read gains are selected as a function of the microprocessor tape type determination routine.
- "10" Hard wired on board. Selects 10 Megahertz microprocessor clock frequency.
- "5" For Wangtek internal use only.
- "F1" When installed, exercise mode enabled when drive and microprocessor are not selected. Moves tape from BOT to EOT and changes head positions from Track 8 to Track 6 to Track 4 to Track 0 and repeats. Microprocessor is deselected by moving jumper on HDR 1 from 2-7 position to 1-8 position.
- "W1" Reserved for future product use.
- "ADJ" When installed, lowers read amplifier gain to approximately 25%. For Wangtek internal use only.

"HDR2" These are special option jumpers for specific applications.

PINS 1-20

If installed, Read Threshold is a function of the "WEN" line. This is an etched jumper on the circuit board, therefore no jumper shall be installed at this location.

PINS 2-19

If installed, Read Theshold is a function of the "THD" interface control line. This jumper must not be installed without first removing the etch at HDR2 PINS 1-20.

"HDR1" These are drive select jumpers. Only one (1) jumper is to be placed in the HDR1 location.

PINS 1-8

If installed, Microprocessor will be selected as a function of Drive Select. Drive will respond to motion and reset commands only if the drive is selected by the formatter. This jumper must be installed if the drive is to be used in the Daisy Chain configuration.

If not installed, Microprocessor is always selected. Drive will respond to motion and reset commands independent of drive select from formatter. This jumper must be installed in conjunction with the "F1" jumper in order for the self test operation to function.

PINS 2-7

If installed, drive is selected as a function of "SEL 0" interface control line.

PINS 3-6

If installed, drive is selected as a function of the "SEL 1" interface control line.

PINS 4-5

If installed, drive is permanently selected.

"HDR3"

This header has two jumpers which control the start phase of the stepper motor at the recalibration position. These jumpers should not be moved as the Track 0 reference location will be changed.

PINS 1-16

5-12

When installed, Motor Phase 1 is selected.

PINS 2-15

6-11

When installed, Motor Phase 2 is selected.

PINS 3-14

7-10

When installed, Motor Phase 3 is selected.

PINS 4-13

8-9

When installed, Motor Phase 4 is selected.