Table 2.1 Configuration Switches

SWITCH	POSITION	DESCRIPTION
S1	ON	The ECC syndrome is saved during a read operation. Upon detection of an error, the controller can use the syndrome to determine if the error is correctable. If correctable, the controller will transparently correct the error.
	OFF	The ECC syndrome is discarded during a read operation. Upon detection of an error, the controller will determine that the error is uncorrectable (because of the lack of proper syndrome). This mode should be used by the operator running diagnostics, so that all media flaws can be detected and mapped out.
S2	ON	The controller bootstrap is enabled.
	OFF	The controller bootstrap is disabled.
S3, S4		Identify to the microprocessor the last logical RL unit that exists on physical drive 0:

SW3	SW4	PHYSICAL ZERO	PHYSICAL ONE
OFF	OFF	DL0	DL1, DL2, DL3
OFF	ON	DL0, DL1	DL2, DL3
ON	OFF	DL0, DL1, DL2	DL3
ON	ON	DL0, DL1, DL2, DL3	

SWITCH	POSITION	DESCRIPTION
S5	ON	Controller assumes alternate address for bootstrap ROM of 175000 (must be used for LSI 11/23 plus CPU, module M8189)
	OFF	Controller assumes primary address for bootstrap of 173000

When shipped from the factory, all switches will be OFF if the order is for a controller only. If the order is for drive integration, the switches will be set for that configuration.

Table 2.2 Component and Jumper Options

OPTION	LOCATION	DESCRIPTION
Special Bootstrap not supported by DILOG.	U38	PROM — allows the user to incorporate bootstrap programs
Loop back data stream	U22-U23	JP1 — Jumper removed (etch cut) forces the write logic to create a data stream which can be looped back into the read logic. Troubleshooting aid.
Abort Precompensation	U32	JP2 — Jumper removed (etch cut) aborts the comtroller precompensation logic when writing data. Troubleshooting aid.
Interrupt level	U70	JP3, JP4, JP5 — This option consists of cutting etches and installing wires. For the interrupt levels, the jumpers are connected as follows:

		JP3	JP4	JP5
Interrupt Level 4		B-C installed	B-C installed	B-C installed
Interrupt Level 5		B-C installed	B-C installed	A-B installed
Interrupt Level 6		B-C installed	A-B installed	B-C installed
Interrupt Level 7		A-B installed	A-B installed	B-C installed

OPTION	LOCATION	DESCRIPTION
Drive 0 Cartridge Changed	JP6 (U22)	Must be removed
Drive 1 Cartridge Changed	JP7 (U22)	Must be removed
Enable Sector Pulse	JP8 (U5)	Must be removed
Enable Switches 3 and 4	JP9 (U32)	Must be installed
Read Postamble	JP (U32)	A-B must be installed. B-C must be removed