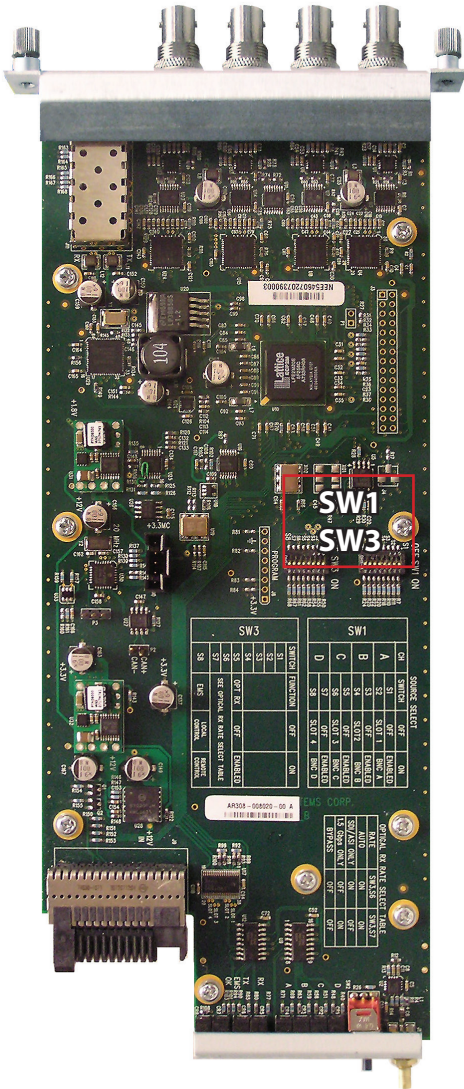




DigiLink DLC274M - 270 Mb/s Digital Video 4-to-1 TDM Multiplexer with Optical Transmitter/Receiver/Repeater

Artel ships the DLC274M configured as follows:

- All four channels enabled
- BNC connector selected as the source for each channel
- Optical transmit (TX) enabled
- Optical receive (RX) disabled
- Loss of video alarm disabled
- EMS override enabled (DigiLink Manager can change the DLC274M configuration)



SW1 Configuration

SW1	Function	Off	On
S1	Ch A Source	Off	<i>Enabled</i>
S2		Backplane 1	<i>BNC A</i>
S3	Ch B Source	Off	<i>Enabled</i>
S4		Backplane 2	<i>BNC B</i>
S5	Ch C Source	Off	<i>Enabled</i>
S6		Backplane 3	<i>BNC C</i>
S7	Ch D Source	Off	<i>Enabled</i>
S8		Backplane 4	<i>BNC D</i>

Factory Default: All on

SW3 Configuration

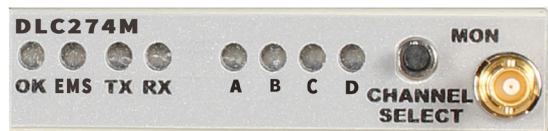
SW3	Function	Off	On
S1	Alarm On Loss of Video	Enabled	<i>Disabled</i>
S2	<i>Reserved</i>	-	<i>Must be On</i>
S3	<i>Reserved</i>	-	<i>Must be On</i>
S4	Optical TX	Disabled	<i>Enabled</i>
S5	Optical RX	Enabled	<i>Disabled</i>
S6	<i>Reserved</i>	-	<i>Must be On</i>
S7	<i>Reserved</i>	-	<i>Must be On</i>
S8	EMS Override	Local Control	<i>Remote Control</i>

Factory Default: All On

Configuration Switch Functions

- SW1** Controls the channel (A, B, C and D) operation including disabling the time slot and selecting the signal source (BNC versus backplane)
- SW3** Controls the loss of video alarm option, enabling/disabling of the optical receiver and enables the EMS override function

Install SFP



DLC274M FRONT PANEL LEDS

LED	Function	Color	Description
OK	DLC274M Module Status	OFF	If power is applied to the system, an internal fault with the DLC274M may exist
		● Green	Normal operation
		● Yellow	If no other status LEDs indicate a minor alarm, then a temperature alarm is indicated
		● Red	If no other status LEDs indicate a major alarm, then an internal error is indicated, such as an onboard communications error or an onboard power error
EMS	DigiLink Manager System Status	OFF	The DLC274M module is in local mode and its configuration is controlled by the onboard configuration switches
		● Green	The DLC274M module is in remote mode and the configuration has been set by DigiLink Manager. When in remote mode, the actual configuration of the module will likely not match the settings of the configuration switches and changing the configuration switches will have no effect on the module operation
TX	Transmitter Status	OFF	Transmitter is disabled
		● Green	Normal operation
		● Red	SFP TX failure exists
		* Red	No SFP is installed
RX	Receiver Status	OFF	Receiver is disabled
		● Green	Receiving a 270 Mb/s signal
		● Yellow	Standby signal is being received
		* Yellow	Receive optical power is high
		● Red	Incorrect input signal type (for example, not a 270 Mb/s signal)
		* Red	Possible causes: • No SFP is installed (RX and TX LEDs are both flashing) • A low receiver power condition exists • An SFP RX failure exists
A, B, C, D	270 Mb/s Channel Status	OFF	Input disabled
		● Green	270 Mb/s video detected
		● Yellow	No signal applied
		● Red	Video input signal rate is outside the range (270 Mb +/- 100 ppm)

* Flashing yellow | * Flashing red

Sales



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