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15-4125-01A

Bay LED Support on CI Design NSR Unit Using SGPIO with Areca Controller Card

I. Introduction

This manual will provide the information for Bay LED Support on CI Design NSR Enclosures with the Horizontal Backplane Board 12-6429-03A, 12-6429-08A using the SGPIO of Areca Controller Card for enabling the drive bay Activity LED and the Status / Fail LED. The drive bay Power LED is supported from the backplane board.

II. Required materials:

1. Data Cable SFF8087 with Side-Band.
2. The Backplane Board that has been flashed with the correct Firmware (Blue Point marking on U10 surface on the board).
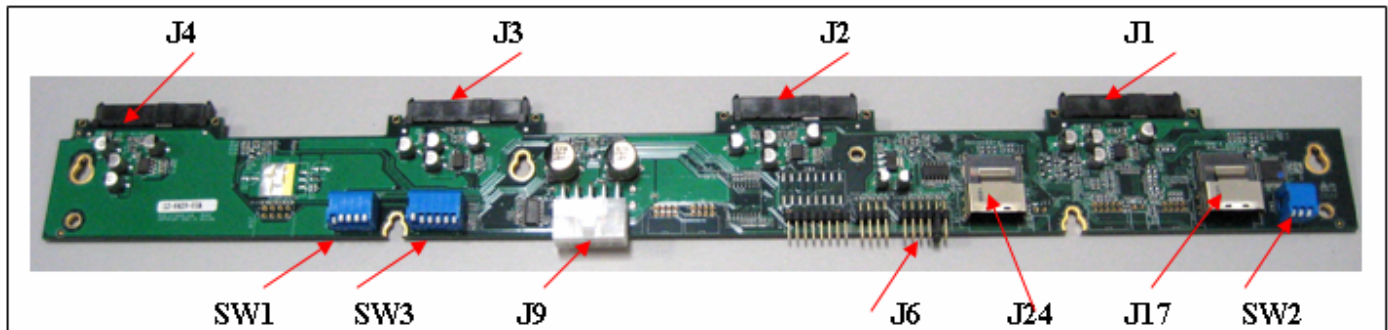
III. Settings on Backplane Board

Figure 1 Backplane Board 12-6429-03A

HEADER	J6	Shunt-Jumper on pin 9 - 10
SWITCH	SW1	DIP Key 1 → ON DIP Key 2-5 → OFF
	SW2	All DIP keys → ON
	SW3	DIP Key 1 → OFF DIP Key 2-6 → ON

Table 1 Switch & Header Setting on Backplane Board

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IV. Connection on Backplane Board

1. Data Cable Connection.

Data Cable Connector	HDD Type
J17	SATA / SAS (primary)
J24	SAS (secondary)

Table 2 Data Cable Connector on the board

2. Power Supply Cable Connection

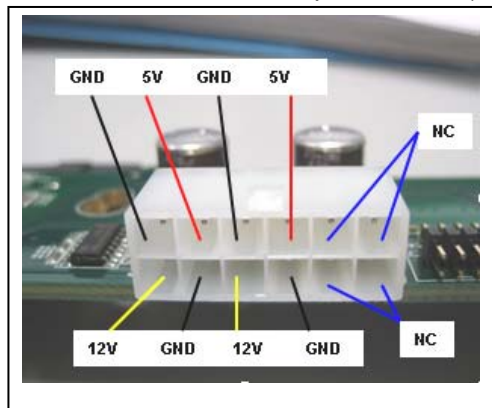Connect the Power Supply DC Cable to J9 on each Backplane Board (B/P).

Figure 2 J9 Power Input Pin Out

3. HDD Connection

Engage the HDD on J1, J2, J3, J4.

VI. Installing the cables onto controller card

Using SGPIO, the only cable that needs to be connected to the card is the DATA Cable with Side-Band.

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