

TW-000-50220-A REV:A0 BP SET-UP

GUIDE For BR-SCA35

Descriptions:

This PCB is designed for Ultra 320 SCA 5-bay SCSI canister – BR-SCA35.

Features:

1. Temperature Detect:
3 preset threshold temperature selection of 45°C, 55°C and 65°C. The buzzer will beep and status LED will turn ON when ambient temperature around the HDD's reaches beyond the preset level.
[[please refer to status LED table](#)]
2. Fan Detect:
When the attached fan fails the buzzer will beep and status LED will turn ON
[[please refer to status LED table](#)]
3. HDD Spin-up mode selection:
[[please see J1 setting](#)]
4. SAF-TE (HDD Fail LED) Function : [Optional]

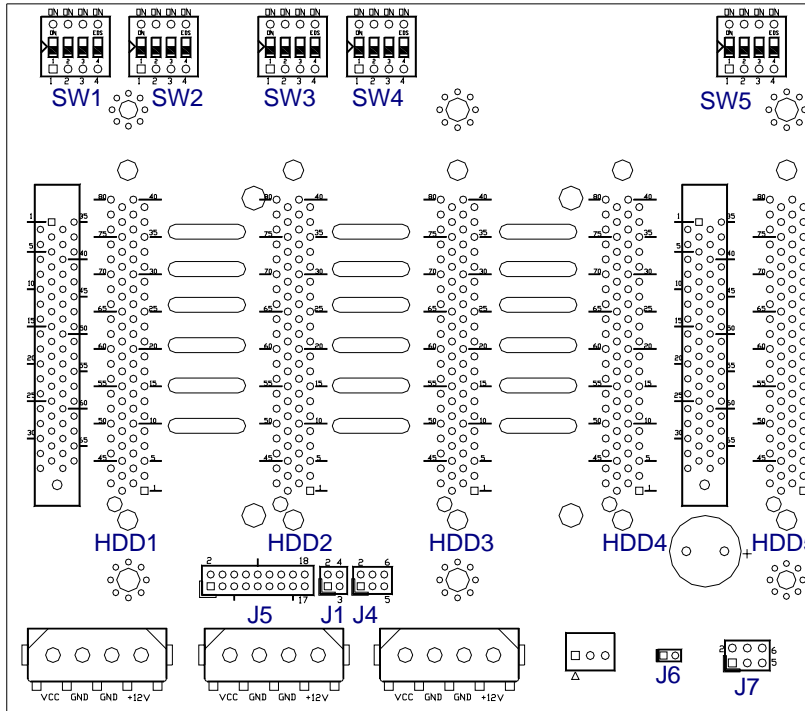
STATUS LED TABLE

Status	Color
Normal	Green
Fan Fail	Amber (Red + Green turn ON)
Temperature too high	Light Blue (Green + Blue turn ON)
Both (Fan + TEMP. too high)	White (Red + Green + Blue turn ON)

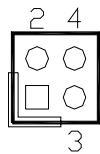
WHERE TO BUY

<http://www.rackmountnet.com>
email: sales@rackmountnet.com

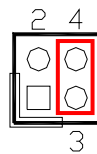
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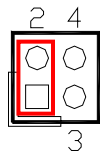
J1: HDD Spin-up Options



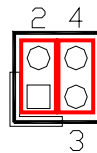
Spin-up when power is applied



Spin-up on start command

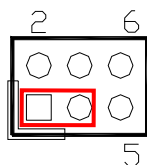


Spin-up after delay

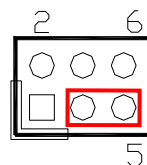


Reserved

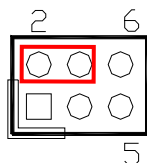
J4: SAF-TE Function Settings



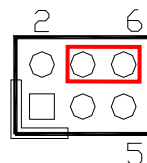
SAF-TE Enable



SAF-TE Disable

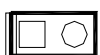


SAF-TE Chip set to ID 6



SAF-TE Chip set to ID 15

J6 : Buzzer Mute Selecting



Normal : Beeping when error



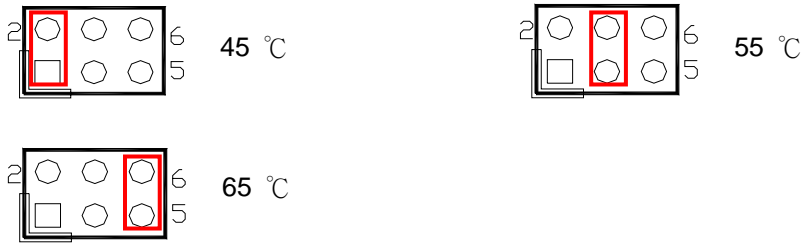
Buzzer Mute

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J7 : Threshold Temperature Setting



J5 : External LED Connector

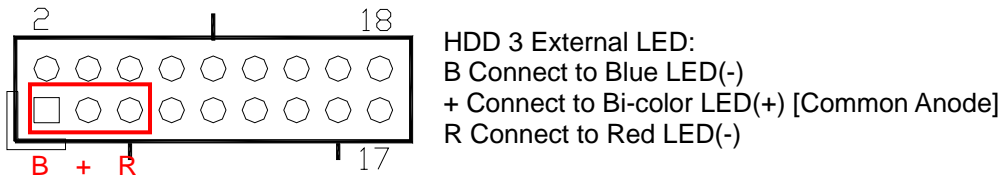
The External LED was designed for common anode bi-color LED EX.RED/Blue
Bi-color LED status as below”

HDD Insert(Power ON) – Blue

HDD Access (Read/Write) – Purple [Blue + Red]

HDD Fail – Red [*This function only available with SAF-TE enable*]

HDD Rebuilding – Red + Purple (blinking) [*This function only available with SAF-TE enable*]



(Highlighted refer to HDD 3 pin assignment)

Pin 2,4 and 6 for HDD1 External LED

Pin 7,9 an 11 for HDD 4 External LED

Pin 8,10 and 12 for HDD 2 External LED

Pin 14,16 and 18 for HDD 5 External LED

ID Switch : SW1 – SW5

SW1 for HDD1 ID Setting

SW2 for HDD2 ID Setting

SW3 for HDD3 ID Setting

SW4 for HDD4 ID Setting

SW5 for HDD5 ID Setting

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ID Switch mapping Table

4	3	2	1	HDD ID
OFF	OFF	OFF	OFF	0
OFF	OFF	OFF	ON	1
OFF	OFF	ON	OFF	2
OFF	OFF	ON	ON	3
OFF	ON	OFF	OFF	4
OFF	ON	OFF	ON	5
OFF	ON	ON	OFF	6
OFF	ON	ON	ON	7
ON	OFF	OFF	OFF	8
ON	OFF	OFF	ON	9
ON	OFF	ON	OFF	10
ON	OFF	ON	ON	11
ON	ON	OFF	OFF	12
ON	ON	OFF	ON	13
ON	ON	ON	OFF	14
ON	ON	ON	ON	15

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