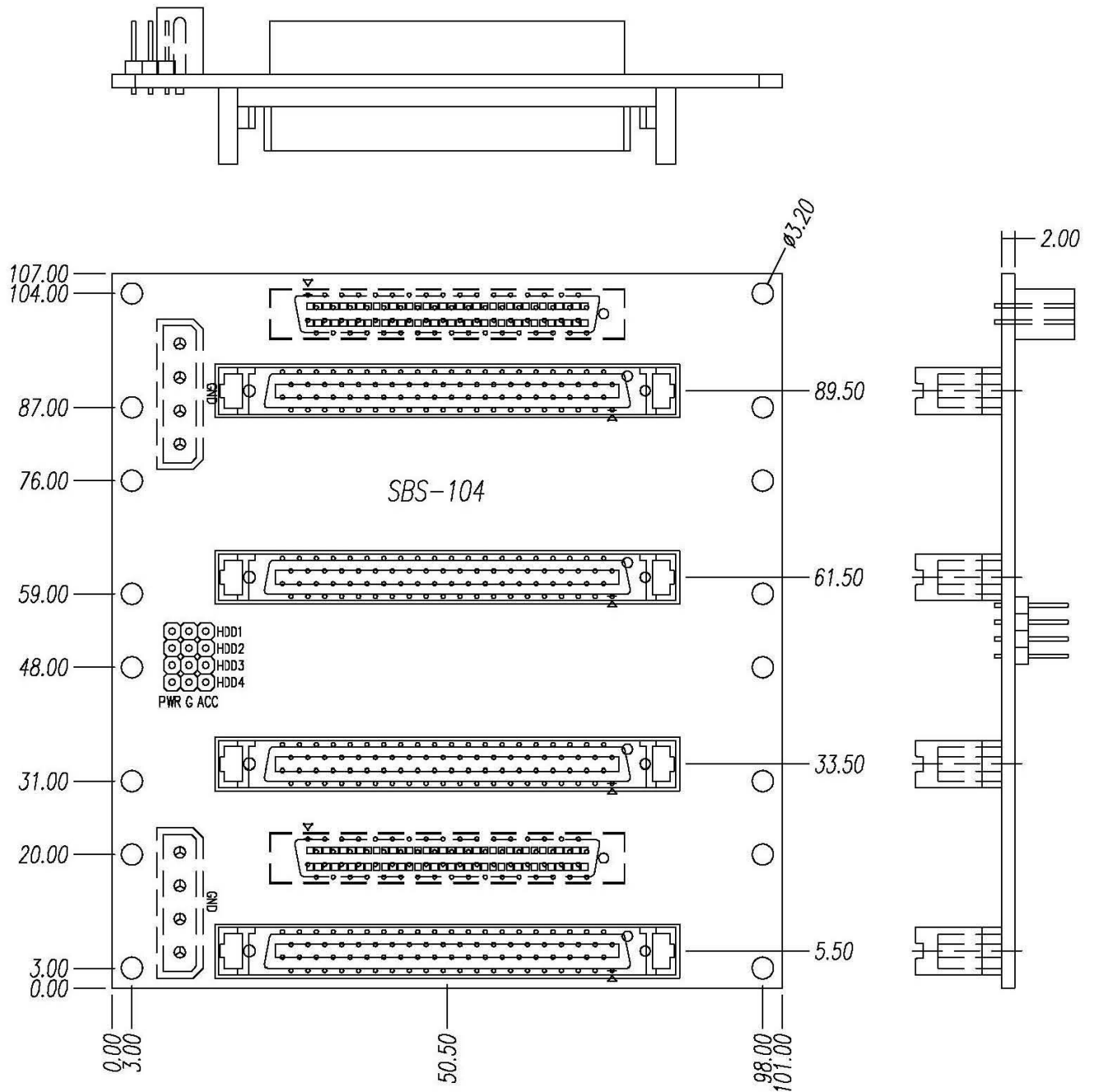


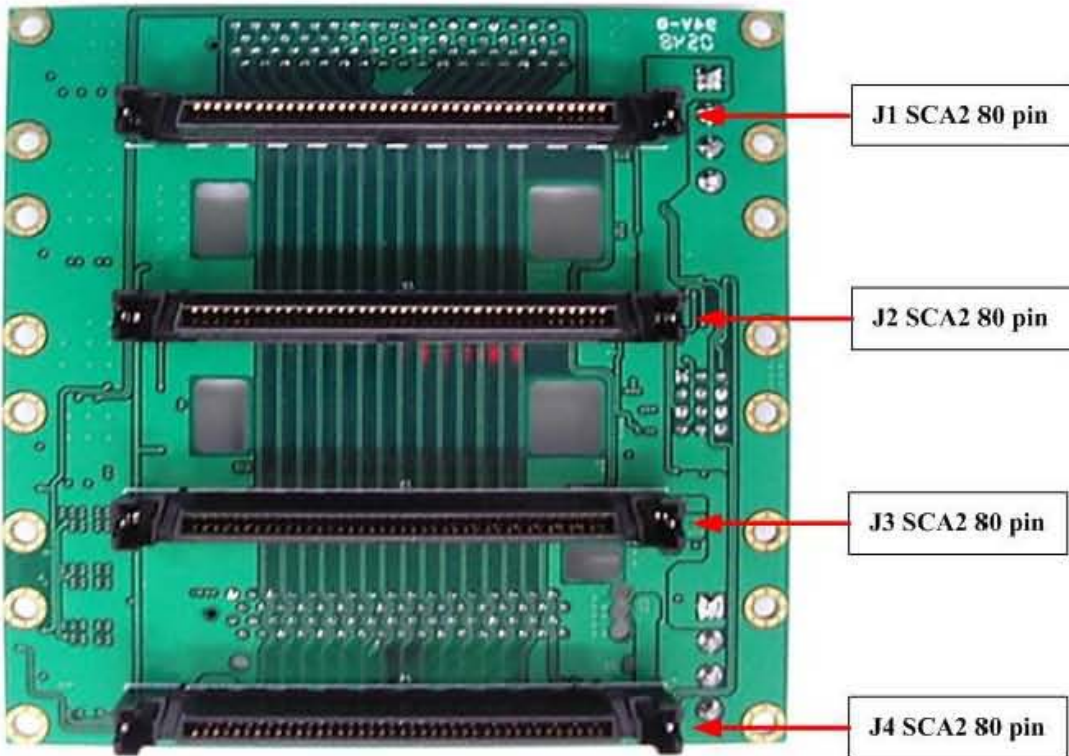
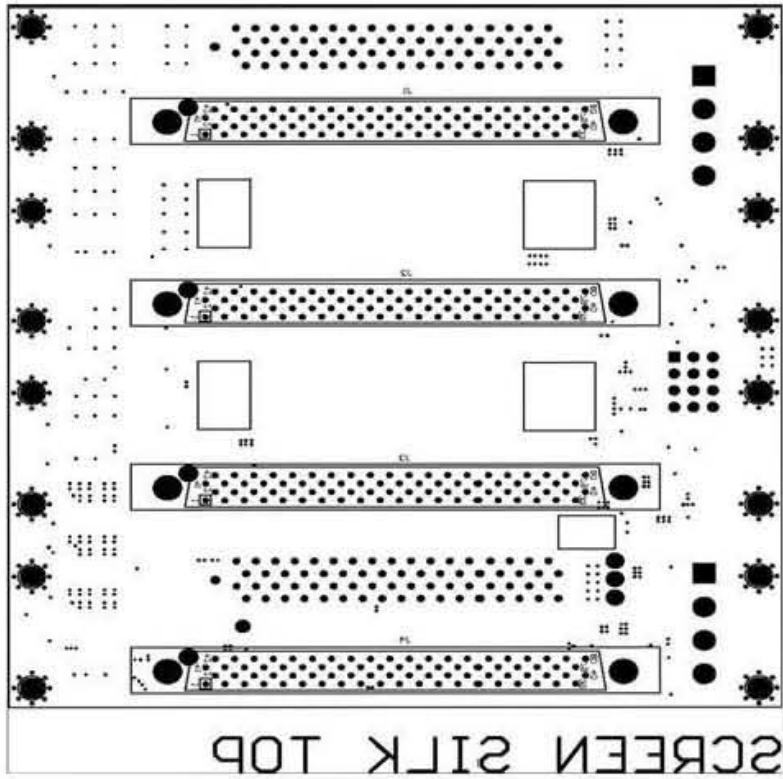
### **I .1 port SCSI Back-plane Specification:**

- **Support SCSI interface: Ultra 320/160 backward compatibility.**
- **Support 4 pcs hard disk 80pin SCA2 Ultra 320/160 backward compatibility.**
- **Support 4 pcs SCSI-in and SCSI-out connector. (68 pin female)**
- **Support 4-bay hard disk drive inrush current control for Hot-swapping.**
- **Support HDD Delay\_Start or Remote\_Start select.(default set for DLY)**
- **Support 2 pcs power connectors in big 4-pin D-type.**
- **Support HDD ID setting for dip-switch 2 x 4 P, default is ID0, ID1, and ID2, ID3. If use daisy chain backplane must ADJ ID dip-switch by you need.**
- **Support terminator enable or disable set for S5 dip-switch (switch 3). (Default set for ON). If use daisy chain the other backplane must turn S5 dipsw3 to off for terminator disable.**
- **Support terminator on board.**
- **S5 dip-switch 3 turn ON the SMT LED shown for terminator enable, S5 dip-switch 3 off the SMT LED off.**
- **Support J9 3 X 4 pin header for external LED use.**

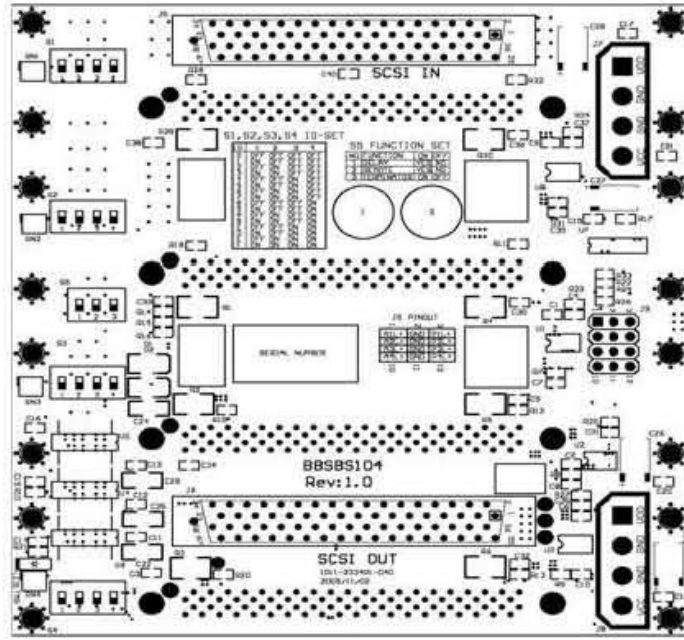
- II. Dimension: Pcb layer : 4
- Dimension: 107.00 mm X 101.00 mm X 2.0mm



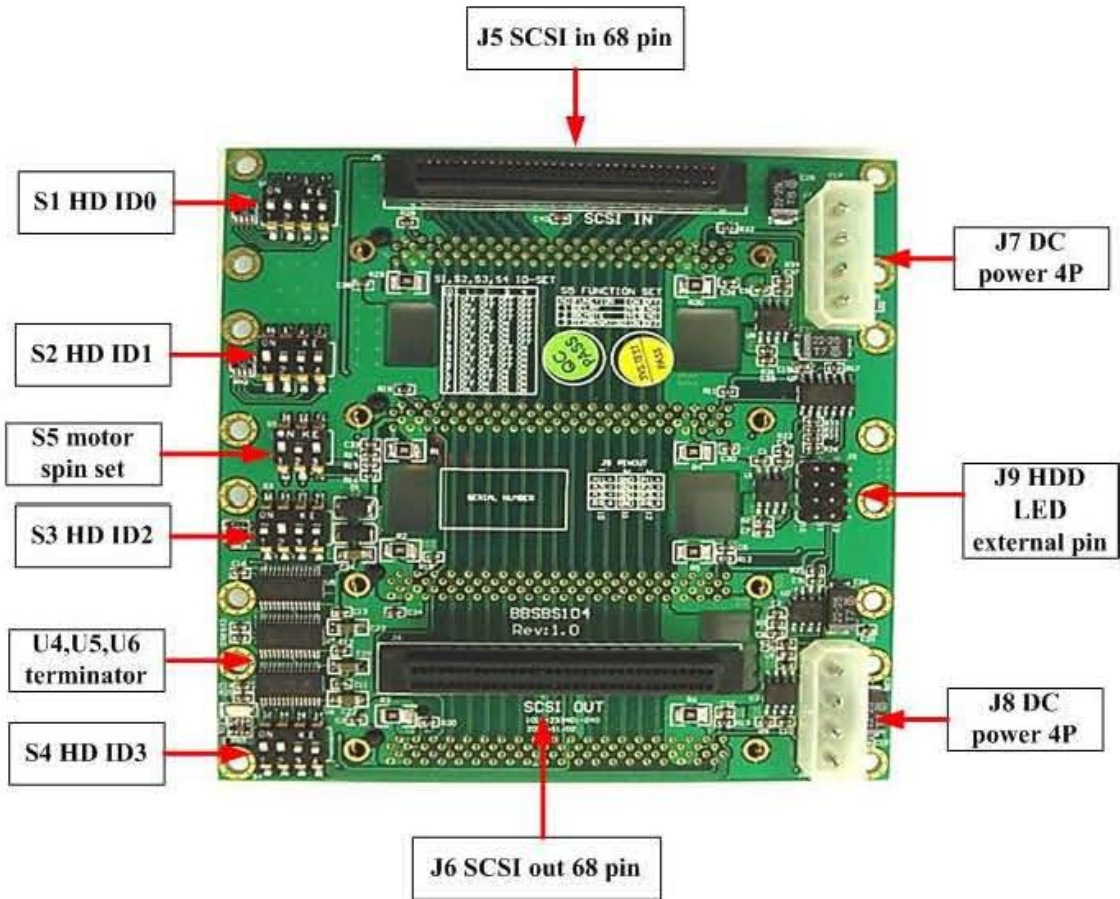
● TOP SIDE



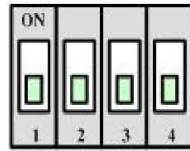
● **BOTTOM SIDE**




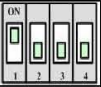
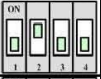
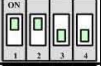
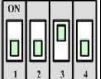
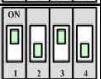
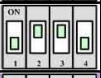
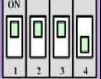
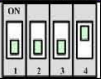
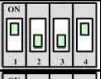
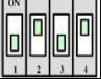
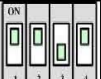
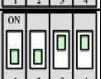
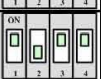
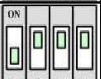
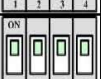
SCREEN SILK BOTTOM



### III. Pin Assignment

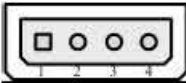


● **SCSI ID Settings table**

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

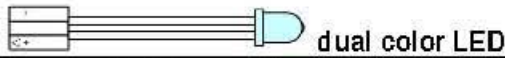
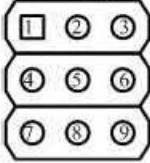
● *Please avoid setting SCSI ID 7 for SCSI drive.*

- J7、J8 big 4 P pin output



1	+12V	2	GND	3	GND	4	+5V
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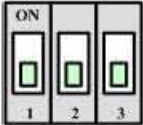
- J9 external LED pin out



dual color LED

1	Access LED1 +	2	GND	3	Power LED1 +
4	Access LED2 +	5	GND	6	Power LED2 +
7	Access LED3 +	8	GND	9	Power LED3 +

- S5 function select pin out



SW	DIPSW 1			DIPSW 2			DIPSW 3					
ON				Motor spin mode is delay_start				Motor spin mode is remote_start				On board Terminator is enable
OFF				Motor spin mode is open_start				Motor spin mode is open_start				On board Terminator is disable

#### IV. Emphasis component BOM list

NO	Maker Product Spec	Maker Name	Qty	Lead free No
1	SCA2 80 PIN	J1,J2,J3,J4	4	CE/2005/96003
2	SCSI 68 PIN	J5,J6	2	SZTYR050305104/LP SZYR050203923-LP
3	BIG 4 P D-TYPE	J7,J8	2	CE/2005/31380A CE/2004/10846B
4	ID SET SMD DIPSW 2X4P	S1,S2,S3,S4	4	CE/2005/61637
5	ID SET SMD DIPSW 2X4P	S5	1	CE/2005/61637
6	IC 74HC14D	U7	1	CE/2004/C5653A
7	IC mosfet IRF7304	U1,U2,U3,U8	4	SH405568/CHEN

8	PIN header	J9	1	CE/2004/C3037
9	Resister all impedance	all	all	KA/2004/B0323 CE/2003/A0099 CE/2003/82013 CE/203/A0695
10	Resister array all impedance	all	all	KA-2004/B0345
11	Capacitor C/C all	All C/C Capacitor	All	CE/2004/A0289 CE/2004/82582 CE/2004/82581 CE/2004/82580
12	Capacitor T/C all	ALL T/C Capacitor	All	CE/2004/42263A CE/2004/73076
13	Terminator	U4,U5,U6(UCC5672PWP or DS2119)	3	CE/2004/C4865
14	Diode 5819	all	all	CE/2004/60064B