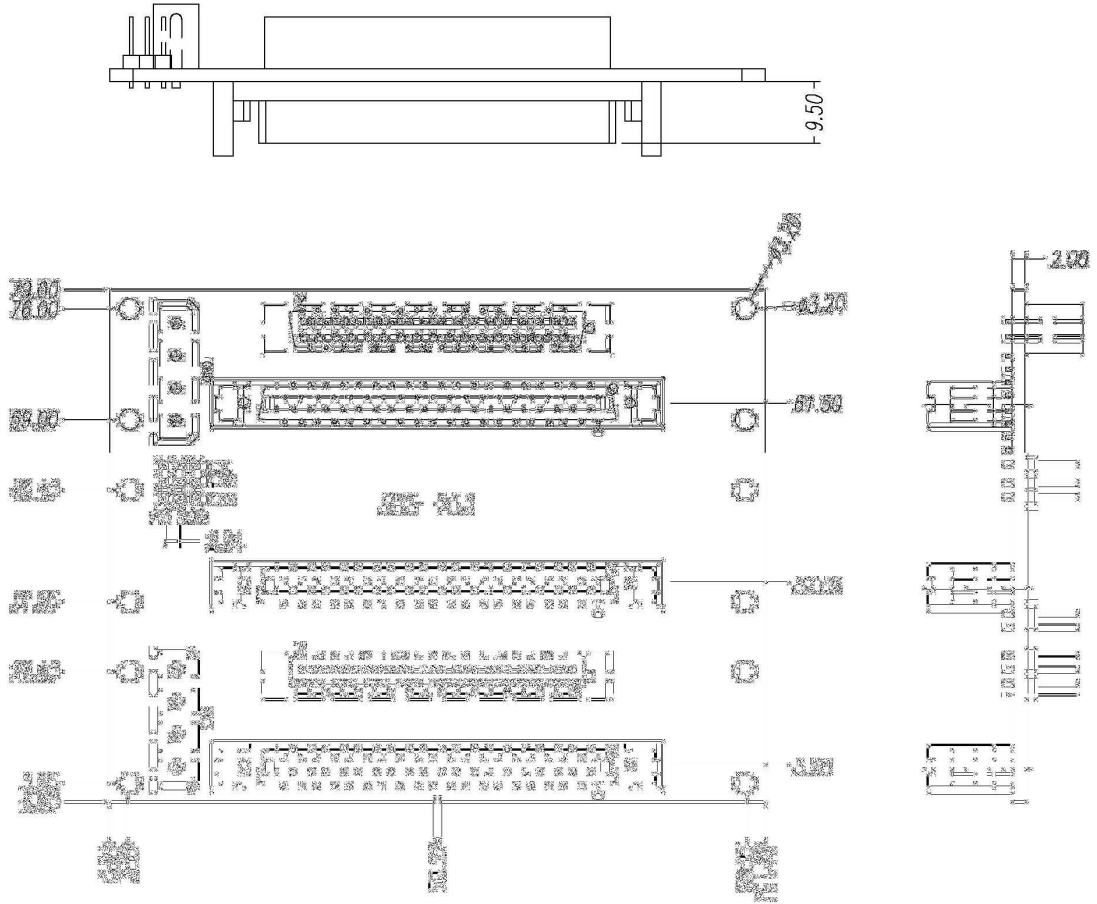


I .1 port SCSI Back-plane Specification:

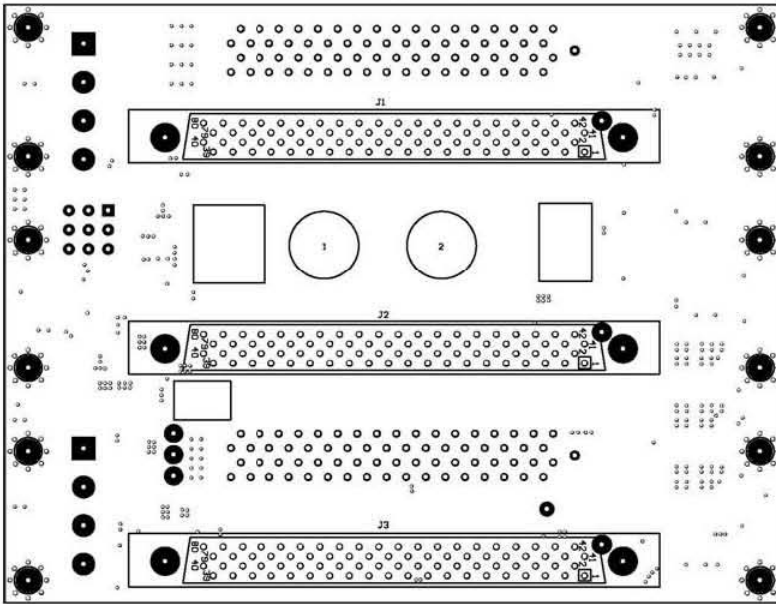
- **Support SCSI interface: Ultra 320/160 backward compatibility.**
- **Support 3 pcs hard disk 80pin SCA2 Ultra 320/160 backward compatibility.**
- **Support 2 pcs SCSI-in and SCSI-out connector. (68 pin female)**
- **Support 3-bay hard disk drive inrush current control for Hot-swapping.**
- **Support HDD Delay_Start or Remote_Start select.(default set for DL Y)**
- **Support 2 pcs power connectors in big 4-pin D-type.**
- **Support 3 external LED's monitoring for HDD installation, HDD access LED pin.**
- **Support HDD ID setting for dipsw 2 x 4 P, default is ID0, ID1, and ID2. If use daisy chain the other backplane must ADJ ID dipsw by you need.**
- **Support terminator enable or disable set for S4 dipsw (switch 3). (Default set for ON). If use daisy chain the other backplane must turn S4 dipsw3 to off for terminator disable.**
- **S4 dipsw 3 turn ON the smt LED shown for terminator enable, S4 dipsw 3 off the smt LED not shown.**

- II. Dimension: Pcb layer : 4
- Dimension: 101.0 mm X 79.0 mm X 2.0mm

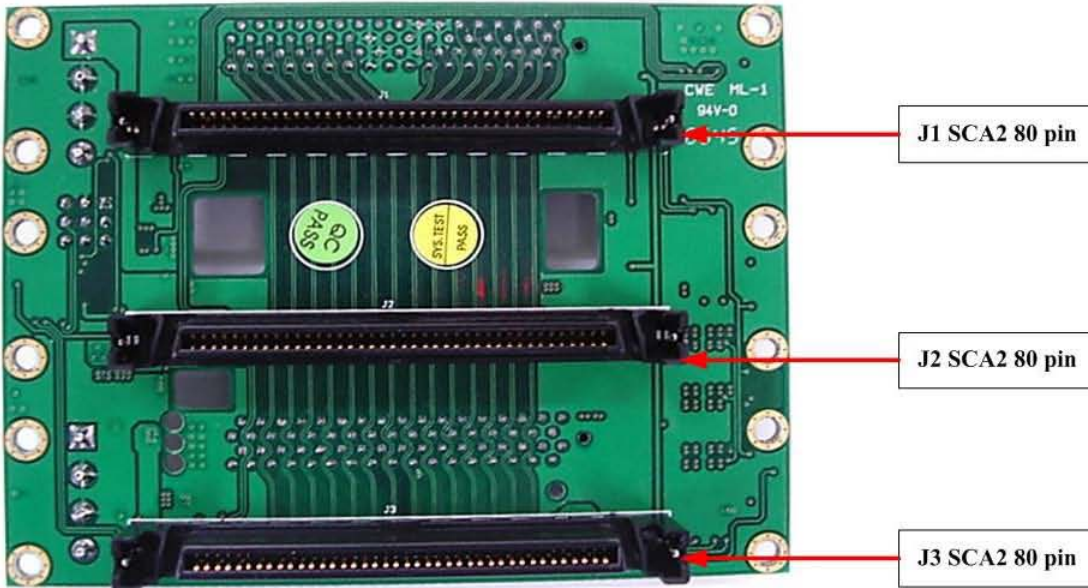


● TOP SIDE

23-5123-010 2005,10,14

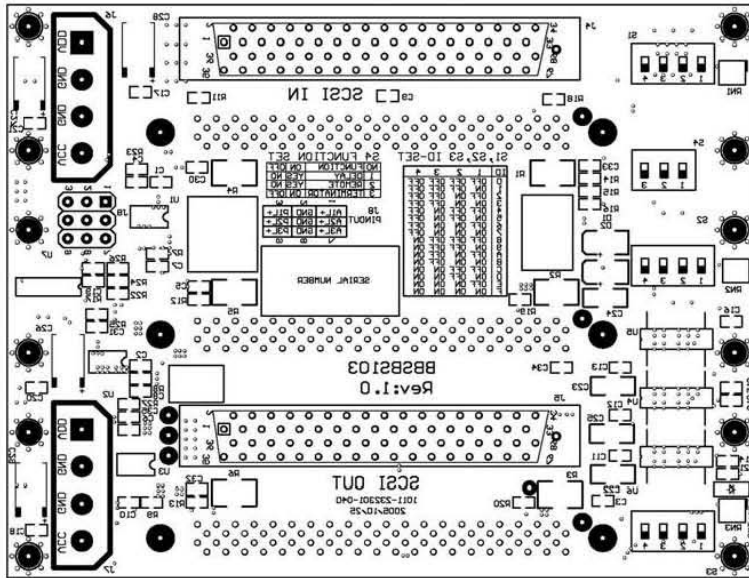


SCREEN SILK TOP

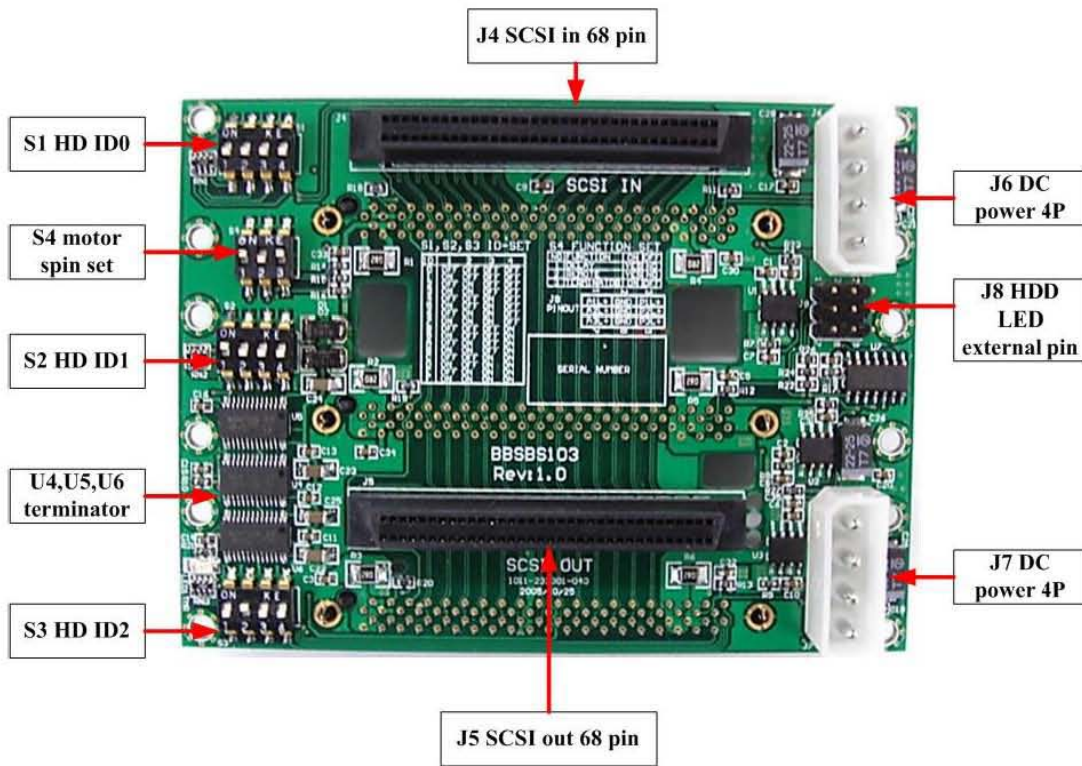


● **BOTTOM SIDE**

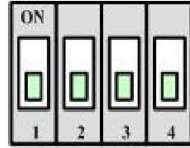
23-5123-010 2005,10,14



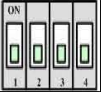
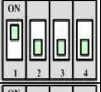
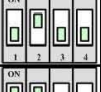
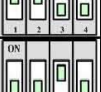
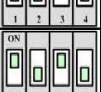

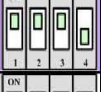
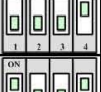
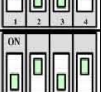
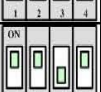
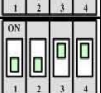
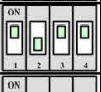


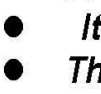

SCREEN SILK BOTTOM



III. Pin Assignment

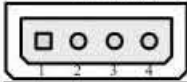


● **SCSI ID Settings table**

| 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 |

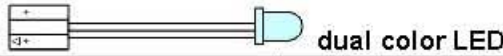
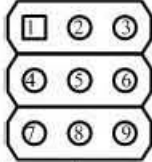
- *Please avoid setting SCSI ID 7 for SCSI drive.*
- *It is normally occupied SCSI host adapter.*
- *The default setting on left SCSI backplane is from ID 0*

● J3 big 4 P pin output:



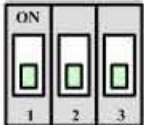
| | | | | | | | |
|---|------|---|-----|---|-----|---|-----|
| 1 | +12V | 2 | GND | 3 | GND | 4 | +5V |
|---|------|---|-----|---|-----|---|-----|

● J8 external LED pin out



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

● S4 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 | 1 | CE/2005/96003 |
| 2 | SCSI 68 PIN | J4,J5 | 1 | SZTYR050305104/LP |
| 3 | BIG 4 P D-TYPE | J6,J7 | 1 | CE/2005/31380A |
| 4 | ID SET SMD DIPSW 2X4P | S1,S2,S3 | 1 | CE/2005/61637 |
| 5 | ID SET SMD DIPSW 2X4P | S4 | 1 | CE/2005/61637 |
| 6 | IC 74HC14 | U7 | 1 | CE/2004/C5653A |
| 7 | IC mosfet irf7304 | U1,U2,U3 | 3 | CE/2005/55525 |
| 8 | PIN header | J8 | 1 | CE/2004/C3037 |
| 9 | Resister all impedance | all | all | KA/2004/B0345 |
| 10 | Resister array all impedance | all | all | KA-2004/B0345 |
| 11 | Capacitor C/C all | All C/C Capacitor | All | CE/2004/A0289 |
| 12 | Capacitor T/C all | ALL T/C Capacitor | All | CE/2004/42263A |
| 13 | Terminator | U4,U5,U6(ucc5672 or DS2119) | 3 | CE/2004/C4865 |