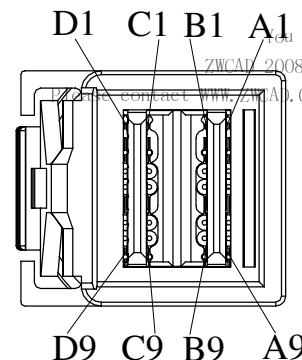
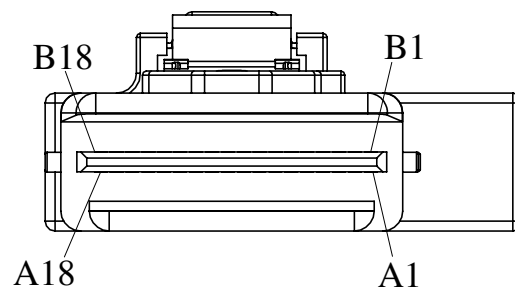
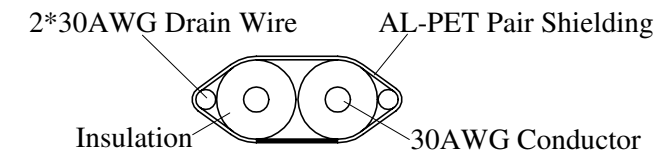
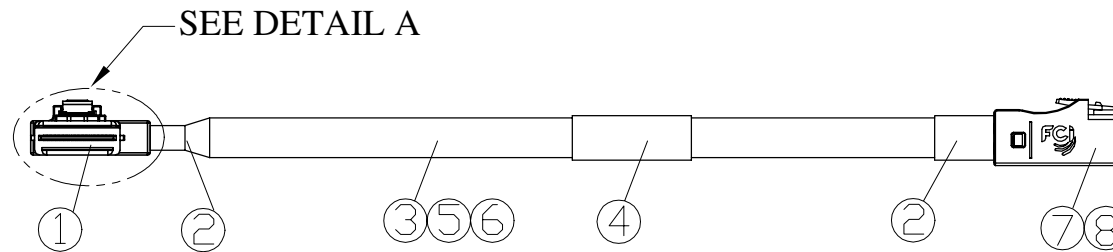
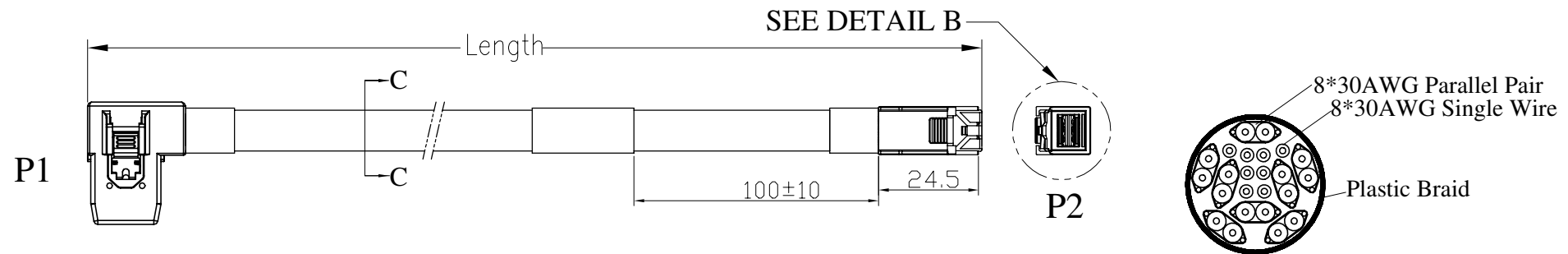




DETAIL A  
SCALE 4:1

DETAIL B  
SCALE 4:1

#### NOTES:

- 100% CONTINUITY TESTED AS DEFINED IN WIRE DIAGRAM.
- HI-POT TEST: DC 300V/10ms  
CONNECTION RESISTANCE: 3.0 Ohm MAX.  
INSULATION RESISTANCE: 10M Ohm MIN.
- ROHS COMPLIANCE
- PACKAGE SPECIFICATION REFER TO GS-14-1274.
- A SYMBOL  WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION

|      |      |      |                                                       |
|------|------|------|-------------------------------------------------------|
| 9    | 2    | G    | 3525 LOCTITE UV GLUE                                  |
| 8    | 1    | EA   | HD miniSAS PCB A/B                                    |
| 7    | 1    | EA   | HD miniSAS PCB A/B                                    |
| 6    | 1    | EA   | HD miniSAS HOUSING                                    |
| 5    | 1    | EA   | HD miniSAS INSERT                                     |
| 4    | 1    | PCS  | CABLE ID LABEL, WRAP ROUND TYPE, BRIGHT WHITE         |
| 3    | A/R  | MM   | PLASTIC BRAID, BLACK COLOR                            |
| 2    | 80   | MM   | AC TAPE, BLACK COLOR                                  |
| 1    | 0.5  | EA   | miniSAS horizontal RA CONNECTOR KIT (WITH DUST COVER) |
| ITEM | Q'TY | UNIT | DESCRIPTION                                           |

|                                                                                       |              |            |                                                                                                 |        |                   |                 |                                                                                       |              |                                                                                       |  |       |
|---------------------------------------------------------------------------------------|--------------|------------|-------------------------------------------------------------------------------------------------|--------|-------------------|-----------------|---------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------|--|-------|
| www.fciconnect.com                                                                    |              |            | surface -  |        | tolerance std - - |                 |  |              |  |  |       |
|                                                                                       |              |            | TOLERANCES UNLESS OTHERWISE SPECIFIED                                                           |        |                   |                 |                                                                                       |              |                                                                                       |  |       |
| Dr                                                                                    | Andy Wu      | 2013-01-04 | ANGULAR                                                                                         | LINEAR | 0.X               | ±-              | size A3                                                                               | Scale NTS    |                                                                                       |  |       |
| Eng                                                                                   | Andy Wu      | 2013-01-04 |                                                                                                 |        | 0.XX              | ±-              |                                                                                       |              |                                                                                       |  |       |
| Chr                                                                                   | Roger Cheng  | 2013-01-04 |                                                                                                 |        | 0°                | ±°              |                                                                                       |              |                                                                                       |  | 0.XXX |
| Appr                                                                                  | Jackson Wang | 2013-01-04 | Product family                                                                                  |        |                   |                 |                                                                                       | ECN -        |                                                                                       |  |       |
|                                                                                       |              |            |                                                                                                 |        |                   |                 |                                                                                       | Spec ref -   |                                                                                       |  |       |
|  |              |            | title Internal miniSASHD to internal miniSAS horizontal RA cable assembly                       |        |                   | dwg no 10123401 |                                                                                       |              | Rev. A                                                                                |  |       |
| catalog no -                                                                          |              |            |                                                                                                 |        |                   |                 |                                                                                       |              |                                                                                       |  |       |
|                                                                                       |              |            |                                                                                                 |        |                   | Customer        |                                                                                       | sheet 1 of 2 |                                                                                       |  |       |

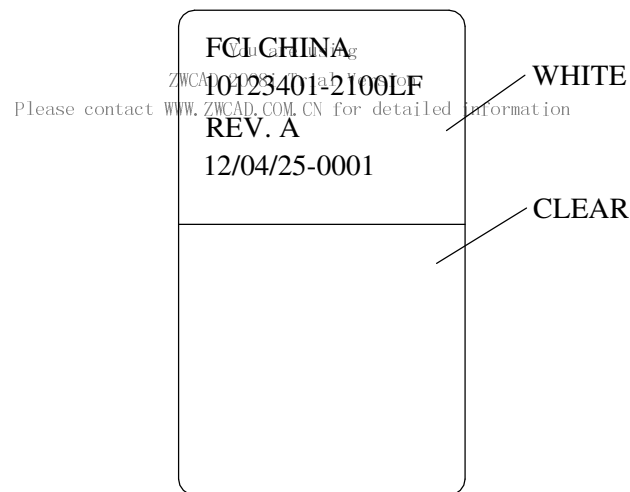
## WIRE DIAGRAM:

TABLE 1:

| P1 BACKPLANE |        | P2 CONTROLLER |        |     |
|--------------|--------|---------------|--------|-----|
| PIN          | SYMBOL |               | SYMBOL | PIN |
| B18          | GND    | -----         | GND    | A9  |
| B17          | Tx3-   | ○→            | Rx3-   | A8  |
| B16          | Tx3+   | ○→            | Rx3+   | A7  |
| B15          | GND    | -----         | GND    | B9  |
| B14          | Tx2-   | ○→            | Rx2-   | B8  |
| B13          | Tx2+   | ○→            | Rx2+   | B7  |
| B12          | GND    | -----         | GND    | B6  |
| B11          | SB 5   | ←→            | SB 5   | D1  |
| B10          | SB 4   | ←→            | SB 4   | C1  |
| B9           | SB 3   | ←→            | SB 3   | B1  |
| B8           | SB 7   | ←→            | SB 7   | A1  |
| B7           | GND    | -----         | GND    | A6  |
| B6           | Tx1-   | ○→            | Rx1-   | A5  |
| B5           | Tx1+   | ○→            | Rx1+   | A4  |
| B4           | GND    | -----         | GND    | A3  |
| B3           | Tx0-   | ○→            | Rx0-   | B5  |
| B2           | Tx0+   | ○→            | Rx0+   | B4  |
| B1           | GND    | -----         | GND    | B3  |
| A18          | GND    | -----         | GND    | C9  |
| A17          | Rx3-   | ←○            | Tx3-   | C8  |
| A16          | Rx3+   | ←○            | Tx3+   | C7  |
| A15          | GND    | -----         | GND    | D9  |
| A14          | Rx2-   | ←○            | Tx2-   | D8  |
| A13          | Rx2+   | ←○            | Tx2+   | D7  |
| A12          | GND    | -----         | GND    | D6  |
| A11          | SB 6   | ←→            | SB 6   | D2  |
| A10          | SB 2   | ←→            | SB 2   | C2  |
| A9           | SB 1   | ←→            | SB 1   | B2  |
| A8           | SB 0   | ←→            | SB 0   | A2  |
| A7           | GND    | -----         | GND    | C6  |
| A6           | Rx1-   | ←○            | Tx1-   | C5  |
| A5           | Rx1+   | ←○            | Tx1+   | C4  |
| A4           | GND    | -----         | GND    | C3  |
| A3           | Rx0-   | ←○            | Tx0-   | D5  |
| A2           | Rx0+   | ←○            | Tx0+   | D4  |
| A1           | GND    | -----         | GND    | D3  |

| FCI P/N         | REVISION | WIRE GAUGE | LENGTH("L") | TOLERANCE |
|-----------------|----------|------------|-------------|-----------|
| 10123401-2030LF | A        | 30AWG      | 300 mm      | ±15mm     |
| 10123401-2040LF | A        | 30AWG      | 400 mm      | ±15mm     |
| 10123401-2050LF | A        | 30AWG      | 500 mm      | ±15mm     |
| 10123401-2060LF | A        | 30AWG      | 600 mm      | ±15mm     |
| 10123401-2070LF | A        | 30AWG      | 700 mm      | ±15mm     |
| 10123401-2080LF | A        | 30AWG      | 800 mm      | ±15mm     |
| 10123401-2090LF | A        | 30AWG      | 900 mm      | ±15mm     |
| 10123401-2100LF | A        | 30AWG      | 1000 mm     | ±20mm     |

## CABLE LABEL SPEC.:

Please contact [WWW.ZWCAD.COM.CN](http://WWW.ZWCAD.COM.CN) for detailed information

## LABEL NOTES:

A. FCI PN and Revision: see table 1

B. 12/04/25-0001

SN: SERIAL NUMBER

DD: DATE

MM: MONTH

YY: YEAR

C. SN: START FROM 0001...

WHICH COULD NOT BE REPEAT.

| rev | ecn no | dr | date |
|-----|--------|----|------|
|     |        |    |      |
|     |        |    |      |
|     |        |    |      |
|     |        |    |      |
|     |        |    |      |
|     |        |    |      |
|     |        |    |      |

|                                                                                       |              |            |                                                                           |        |                   |       |                                                                                                  |            |                                                                                          |  |    |
|---------------------------------------------------------------------------------------|--------------|------------|---------------------------------------------------------------------------|--------|-------------------|-------|--------------------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------|--|----|
| www.fciconnect.com                                                                    |              |            | surface - ✓                                                               |        | tolerance std - - |       | projection  |            | MM  |  |    |
|                                                                                       |              |            | TOLERANCES UNLESS OTHERWISE SPECIFIED                                     |        |                   |       |                                                                                                  |            |                                                                                          |  |    |
| Dr                                                                                    | Andy Wu      | 2013-01-04 | ANGULAR                                                                   | LINEAR | 0.X               | ±-    | size A3                                                                                          | Scale NTS  |                                                                                          |  |    |
| Eng                                                                                   | Andy Wu      | 2013-01-04 |                                                                           |        | 0.XX              | ±-    |                                                                                                  |            |                                                                                          |  |    |
| Chr                                                                                   | Roger Cheng  | 2013-01-04 |                                                                           |        | 0° ±-             | 0.XXX |                                                                                                  |            |                                                                                          |  | ±- |
| Appr                                                                                  | Jackson Wang | 2013-01-04 | Product family                                                            |        |                   |       |                                                                                                  | Spec ref - |                                                                                          |  |    |
|  |              |            | title Internal miniSASHD to internal miniSAS horizontal RA cable assembly |        |                   |       | dwg no 10123401                                                                                  |            | Rev. A                                                                                   |  |    |
|                                                                                       |              |            | catalog no -                                                              |        |                   |       | Customer                                                                                         |            | sheet 2 of 2                                                                             |  |    |