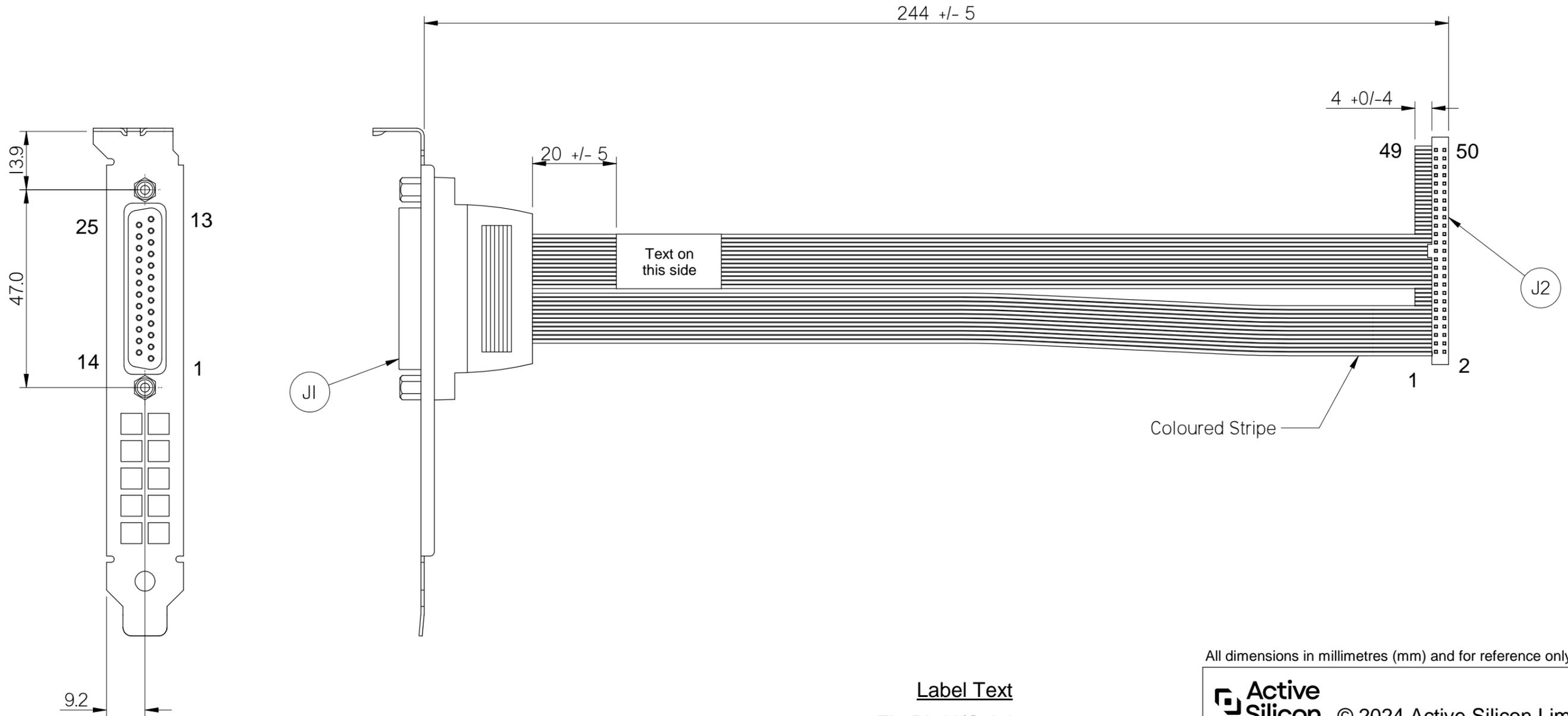


3RD ANGLE PROJECTION  
DO NOT SCALE

PART NUMBER  
**AS-FBD-ADP-25D-IO-B**



Label Text  
FireBird I/O Adapter  
AS-FBD-ADP-25D-IO-B  
ISS 01  
CBL-007-933N

All dimensions in millimetres (mm) and for reference only

**Active Silicon** © 2024 Active Silicon Limited

TITLE  
**Mechanical Overview  
FireBird I/O Adapter B**

|                      |                   |                            |
|----------------------|-------------------|----------------------------|
| DRAWN<br>Keith Baker | DATE<br>27-Jan-20 | APPROVED<br>PL ✓ PE ✓ TD ✓ |
|----------------------|-------------------|----------------------------|

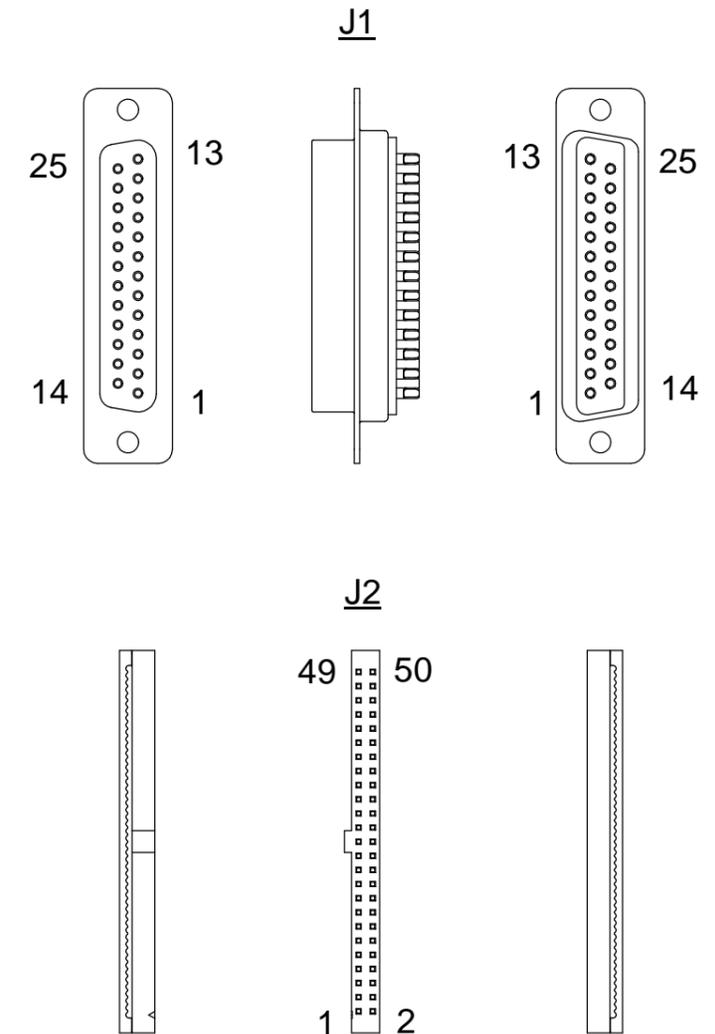
|  |                   |               |
|--|-------------------|---------------|
| DRAWING NUMBER<br><b>MO-AP20-0067-0101</b> | SHT No.<br>1 of 2 | <b>A</b><br>3 |
|--|-------------------|---------------|

Whilst every effort has been made to ensure that the information contained in this drawing and the associated CAD data in electronic form is accurate and correct, Active Silicon cannot be held liable for errors or omissions. Should any errors or omissions be discovered, Active Silicon will use all reasonable endeavours to correct and re-issue the drawings and CAD data as fast as practical.

3RD ANGLE PROJECTION  
DO NOT SCALE

PART NUMBER  
**AS-FBD-ADP-25D-IO-B**

| Wiring List         |                         |             |
|---------------------|-------------------------|-------------|
| J1<br>25 way D-Type | J2<br>50 way IDC Header | Signal Name |
| 1                   | 1                       | OPTO_OUT_1+ |
| 14                  | 2                       | OPTO_OUT_1- |
| 2                   | 3                       | OPTO_OUT_2+ |
| 15                  | 4                       | OPTO_OUT_2- |
| 3                   | 5                       | OPTO_OUT_3+ |
| 16                  | 6                       | OPTO_OUT_3- |
| 4                   | 7                       | OPTO_OUT_4+ |
| 17                  | 8                       | OPTO_OUT_4- |
| 5                   | 9                       | OPTO_IN_1+  |
| 18                  | 10                      | OPTO_IN_1-  |
| 6                   | 11                      | OPTO_IN_2+  |
| 19                  | 12                      | OPTO_IN_2-  |
| 7                   | 17                      | +12V        |
| 20                  | 18                      | +12V        |
| 8                   | 19                      | GND         |
| 21                  | 20                      | GND         |
| 9                   | 21                      | 422_OUT_1+  |
| 22                  | 22                      | 422_OUT_1-  |
| 10                  | 23                      | 422_OUT_2+  |
| 23                  | 24                      | 422_OUT_2-  |
| 11                  | 25                      | 422_OUT_3+  |
| 24                  | 26                      | 422_OUT_3-  |
| 12                  | 27                      | 422_OUT_4+  |
| 25                  | 28                      | 422_OUT_4-  |
| 13                  | 29                      | GND         |



| Unused Pins |                  |
|-------------|------------------|
| J2          | 13 - 16, 30 - 50 |

All dimensions in millimetres (mm) and for reference only

**Active Silicon** © 2024 Active Silicon Limited

TITLE  
**Mechanical Overview  
FireBird I/O Adapter B**

DRAWN  
Keith Baker

DATE  
27-Jan-20

DRAWING NUMBER  
**MO-AP20-0067-0101**

SHT No. **A**  
2 of 2 **3**

Whilst every effort has been made to ensure that the information contained in this drawing and the associated CAD data in electronic form is accurate and correct, Active Silicon cannot be held liable for errors or omissions. Should any errors or omissions be discovered, Active Silicon will use all reasonable endeavours to correct and re-issue the drawings and CAD data as fast as practical.