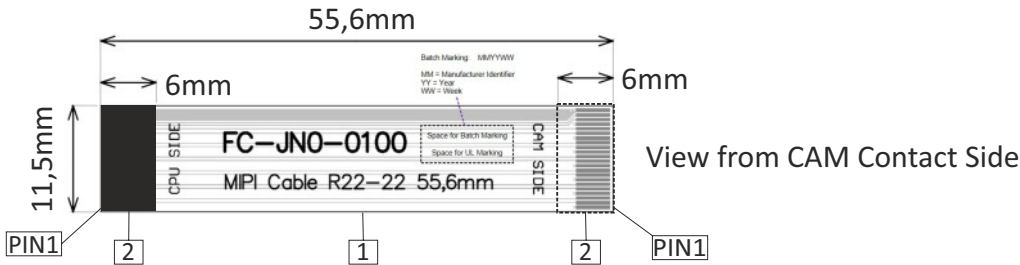


| ITEM | QTY | PART NUMBER  | DESCRIPTION                              | COMMENT                             |
|------|-----|--------------|------------------------------------------|-------------------------------------|
| 1    | 1   | FPC CABLE PI | Dual Layer FPC                           | 1 oz Cu 50µm Polyimide Flex         |
| 2    | 2   | Stiffener PI | Total Cable thickness at Stiffener 350µm | 0,5mm 22PIN Immersion Gold Contacts |



| CAM-Side | SIGNAL | CONN | CPU-Side | COMMENT          |
|----------|--------|------|----------|------------------|
| 1        | GND    |      | 1        | Conn. to plane   |
| 2        | CH1-   |      | 2        | MIPI LANE        |
| 3        | CH1+   |      | 3        | MIPI LANE        |
| 4        | GND    |      | 4        | Conn. to plane   |
| 5        | Ch2-   |      | 5        | MIPI LANE        |
| 6        | Ch2+   |      | 6        | MIPI LANE        |
| 7        | GND    |      | 7        | Conn. to plane   |
| 8        | CLK-   |      | 8        | MIPI CLOCK       |
| 9        | CLK+   |      | 9        | MIPI CLOCK       |
| 10       | GND    |      | 10       | Conn. to plane   |
| 11       | Ch3-   |      | 11       | MIPI LANE        |
| 12       | Ch3+   |      | 12       | MIPI LANE        |
| 13       | GND    |      | 13       | Conn. to plane   |
| 14       | Ch4-   |      | 14       | MIPI LANE        |
| 15       | Ch4+   |      | 15       | MIPI LANE        |
| 16       | GND    |      | 16       | Conn. to plane   |
| 17       | GPIO0  |      | 17       | SPECIAL FUNCTION |
| 18       | GPIO1  |      | 18       | SPECIAL FUNCTION |
| 19       | GND    |      | 19       | Conn. to plane   |
| 20       | SCL    |      | 20       | SPI CLOCK (3V3)  |
| 21       | SDA    |      | 21       | SPI DATA (3V3)   |
| 22       | +UB    |      | 22       | 0,5A max. (3V3)  |

GROUNDPLANE

ATTENTION:

FPC cable can only be used in one direction!  
CAM-Side to camera PCB (MIPI-Source)  
CPU-Side to computer (MIPI-SINK)  
Especially the position of +UB and GND should be checked befor connection.  
The +UB connection is carried out as separated line on TOP and BOTTOM of the FPC.  
It can be visually recognized on the cable and should be checked carefully.  
In case of error, serious damage may occur to the computer or cable!



NOTE: All relevant materials are compliant with RoHS/REACH directive

| FPC-MIPI R22-22 55,6mm                                                                                             |                                           | General Tolerances<br>ISO 2768-1<br>(medium) | Projection  |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------|-------------|
| Art.-Nr.: CA-FPC-22P-22P/0.55/FLIP                                                                                 | All Rights Reserved<br>Copyright by DIN34 | Drafter:                                     | Date:       |
| Mfg. Type: FC-JN0-0100                                                                                             | Drawn:                                    | Martin Teuber                                | 2025-08-05  |
| TIS-PN: 20800000053                                                                                                | Revision:                                 |                                              |             |
| Document Name: TISC-0010                                                                                           | Revision:                                 |                                              |             |
| <br>The Imaging Source Europe GmbH<br>Überseetor 18 28237 Bremen/Germany ☎+49421335910<br>www.theimagingsource.com | Revision:                                 |                                              |             |
|                                                                                                                    | Revision:                                 |                                              |             |
|                                                                                                                    | Revision:                                 |                                              |             |
|                                                                                                                    | Revision:                                 |                                              |             |
| M 1:1                                                                                                              |                                           | Page Size: A4                                | Page: 1 # 1 |