

DATA SHEET

## MIPI CSI-2 FPC cable 220 mm

Connecting Alvium CSI-2 cameras to  
embedded board adapters

Product code  
12317

V1.0.0  
2019-May-29



### NOTICE

#### Malfunctions and short circuits by damaged cables and connectors

Provide sufficient strain relief for all cable connections.

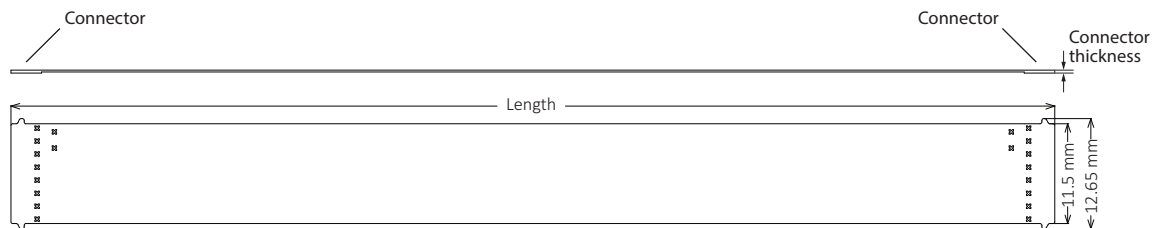


#### Accessories information

For embedded board adapters, see <https://www.alliedvision.com/en/products/accessories>.

For the Alvium Cameras Accessory Guide, see <https://www.alliedvision.com/en/support/technical-documentation/alvium-documentation.html>.

## Dimensions



## Connection direction



The arrow print indicates the direction between camera and host (embedded board) to prevent short circuits by reverse polarity, destroying the camera or the embedded board.

## Specifications

| Feature                                  | Specification   |
|--|---|
| Length × width [mm]                      | $(220 \pm 0.1) \times (11.5 \pm 0.1)$                             |
| Connector thickness [mm]                 | $0.3 \pm 0.03$  |
| Cable thickness [mm]                     | ~ 0.2   |
| Static bending radius (min.)             | 10.0 mm   |
| Dynamic bending radius (min.)            | For static applications only                                      |
| Bending cycles (max.)                    | 300   |
| Differential impedance $Z_{\text{Diff}}$ | 100 $\Omega$  |
| Shielding                                | Impedance controlled (100 $\Omega$ )                              |
| Number of connectors                     | 22  |
| Connector pitch                          | 0.5 mm  |
| Compatible connector                     | Hirose FH55-22S-0.5SH   |
| Supported devices                        | Alvium CSI-2 cameras, Allied Vision embedded board adapters       |
| Operating temperature range              | +5 °C to +65 °C   |
| Regulations                              | 2011/65/EU, incl. amendment 2015/863/EU (RoHS), China RoHS, REACH |