

DATA SHEET

MIPI CSI-2 FPC cable 420 mm

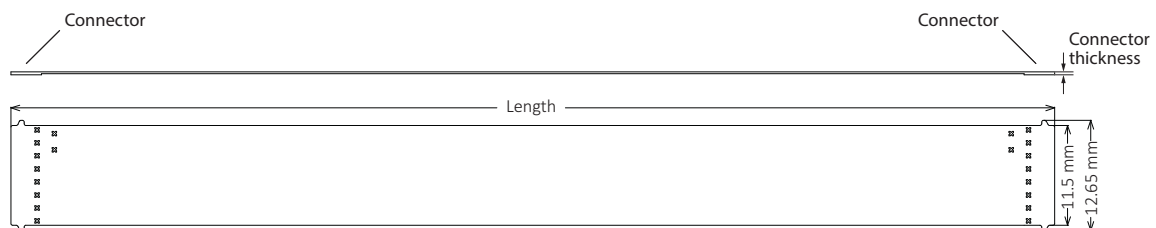
Connects Alvium CSI-2 cameras to embedded boards

Product code
12318V1.0.1
2022-Nov-22**NOTICE****Malfunctions and short circuits by damaged cables and connectors**

Provide sufficient strain relief for all cable connections.

**Accessories information**For other FPC cables and for adapter boards, see www.alliedvision.com/en/products/accessories.

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.

The Host side connects to Allied Vision adapter boards that are used with the corresponding embedded boards.

**Designing your own embedded components**

If you want to design your own components to connect Alvium CSI-2 cameras to embedded boards, contact your Allied Vision Sales representative or Allied Vision Support at www.alliedvision.com/en/about-us/contact-us/technical-support-repair/-rma.

Specifications

Feature	Specification
Length × width	420 ± 0.1 mm × 11.5 ± 0.1 mm
Connector thickness	0.3 mm ± 0.03 mm
Cable thickness	~ 0.2 mm
Classification	Industrial grade for static applications
Static bending radius (min.)	10.0 mm
Dynamic bending radius (min.)	For static applications only
Bending cycles (max.)	300
Differential impedance Z_{Diff}	100 Ω
Shielding	Impedance controlled (100 Ω)
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