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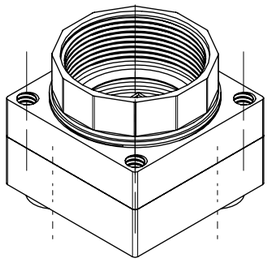
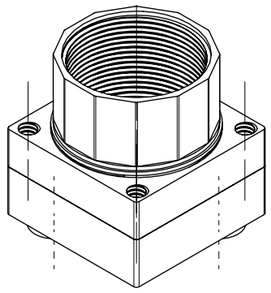
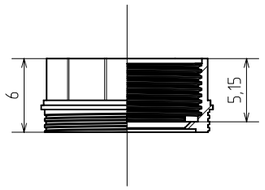
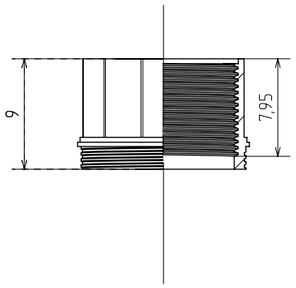
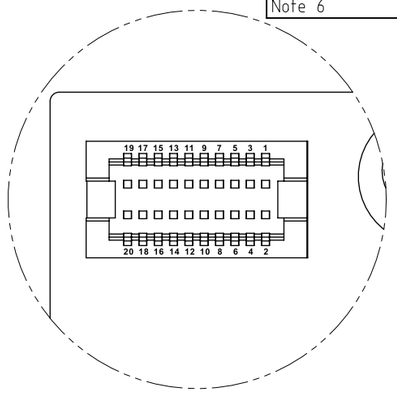






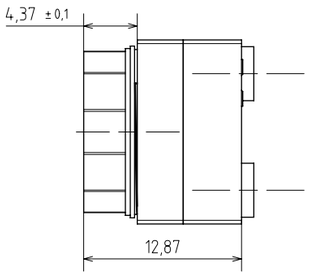



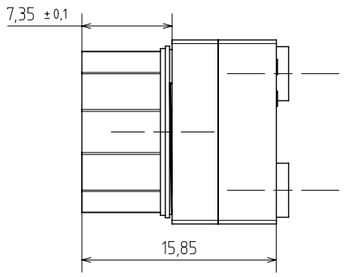

DETAIL E
SCALE 5:1

| NOTE | | | | |
|---|---|---|---|---|
| | Description: | Electrical Type: | Nominal levels: | Notes: |
| PIN 1 | Trigger | Input | 3.3V | Galvanically NOT isolated |
| PIN 2 | USB - | IO | USB | |
| PIN 3 | Strobe | Output | 3.3V | |
| PIN 4 | USB + | IO | USB | |
| PIN 5,7 | Programmable IO | IO | 3.3V | Function defined by Software |
| PIN 6 | Shield GND | Power | - | |
| PIN 8 | USB 5V | Power | 5V | |
| PIN 9,10,11,12,14,16 | GND | Power | 0V | |
| PIN 13,15,17,19 | Factory use IO | IO | 3.3V | Do not connect, Factory use only |
| PIN 18,20 | Internal Power Supply 3.3V | Power | 3.3V | Do not connect any external loads, Factory use only |

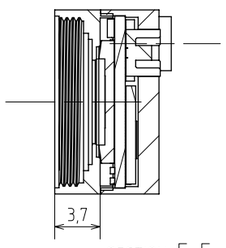
| | |
|---|---|
| Note 1: | IO pins are connected to the FPGA via 1K serial resistor |
| Note 2: | No additional ESD protection is provided within the camera body |
| Note 3: | Low Logic level max 0.8V, High Logic level min 2.0V |
| Note 4: | Camera Side Connector Hirose PN: DF12E3.5-20DP-0.5V |
| Note 5 | Recommended mating connector Hirose PN: DF13E3.5-20DS-0.5V |
| Note 6 | Pre-assembled cable kits with custom connector available upon request |



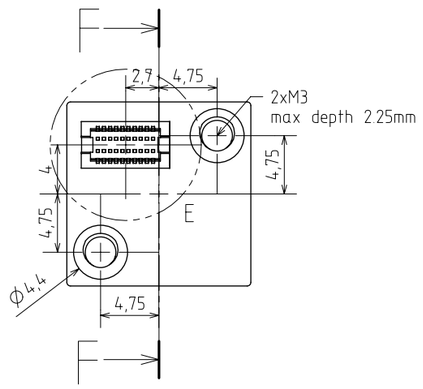

MECH-MU9-MH-ADAPT-M

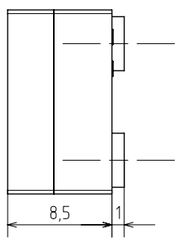


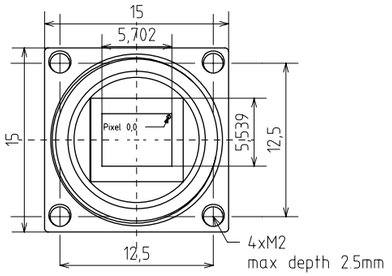

MECH-MU9-MH-ADAPT-L




SECTION F-F




MECH-MU9-MH-ADAPT-M

| Backfocal Distance Table @538nm: | | n | |
|---|---|---|---|
| Geometric Backfocal Distance: | 7.39 | - | offset |
| CCD Glass Cover D263: | 0.4 | 1.526 | 0.137877 |
| Sensor Focal Plane Tolerance: | 0.075 | - | |
| Nominal Backfocal Distance in Air: | 6.915 | - | |
| Note: The Backfocal Distance is measured from the top of the flange to the top of the sensor die. | | | |

MECH-MU9-MH-ADAPT-L

| Backfocal Distance Table @538nm: | | n | |
|---|---|---|---|
| Geometric Backfocal Distance: | 10.39 | - | offset |
| CCD Glass Cover D263: | 0.4 | 1.526 | 0.137877 |
| Sensor Focal Plane Tolerance: | 0.075 | - | |
| Nominal Backfocal Distance in Air: | 9.915 | - | |
| Note: The Backfocal Distance is measured from the top of the flange to the top of the sensor die. | | | |

| | Date: | Name: |
|---|---|---|
| Designed | 20090205 | Klimkovic |
| Drawn | 20160215 | SPANO |
| Approved | 20160215 | SPANO |
| QC | | |
| MFGP | | |
| Department: R&D | Default tolerances: | ISO2768-f |

PN: MU9Px-MH

Project Class: MU9 — Top Level Assembly

| Change | Date | Name |
|---|---|---|
| | | |

Document Nr:

| | | | |
|---|---|---|---|
| Customer PN: NA | | | Surface Quality: Ra 3.2 |
| Material: ENAW6062 | | | Surface Finish: Black Anodized |
| First angle projection | | | Weight: 3.6g |
| Units: mm | Scale: 2:1 | | Format: A3 |
| Doc Type: EU | Part Doc: | Version Revision: 1.3 | Page: 1 of 1 |