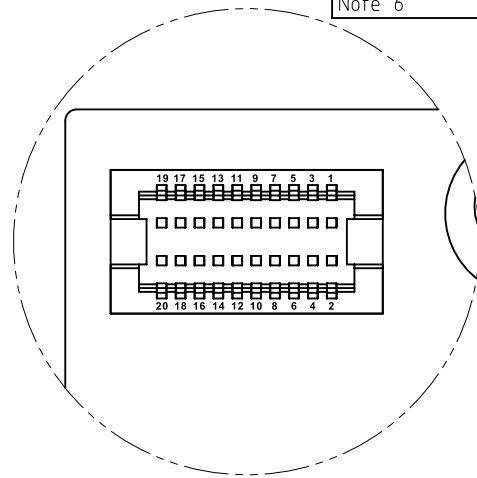
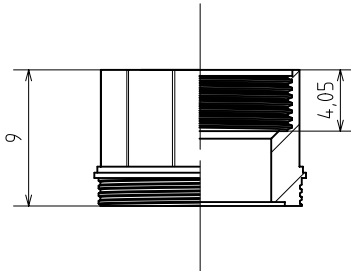
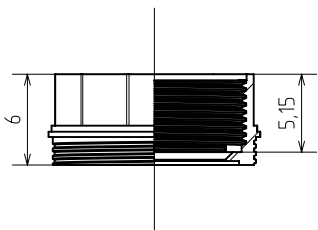
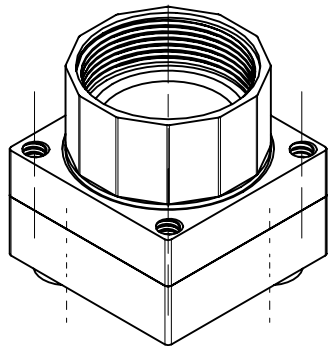
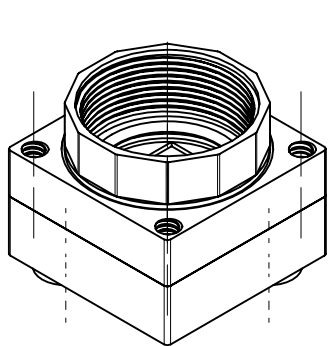
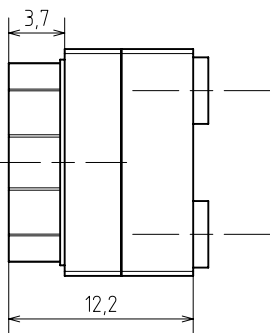


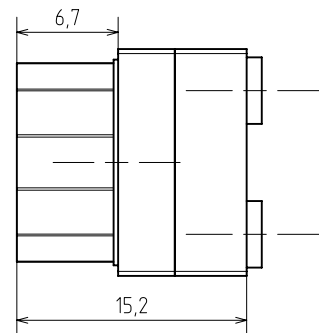
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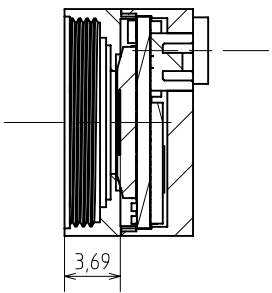
DETAIL E
SCALE 5:1



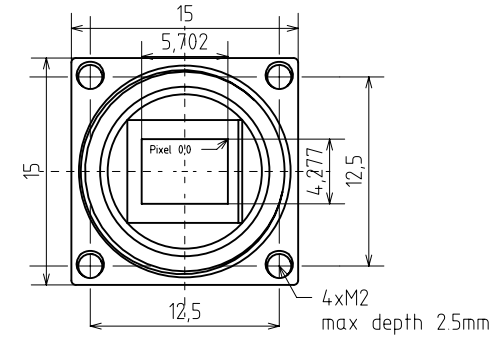
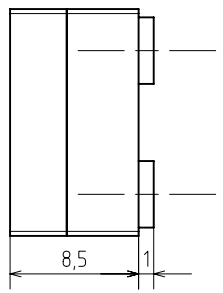
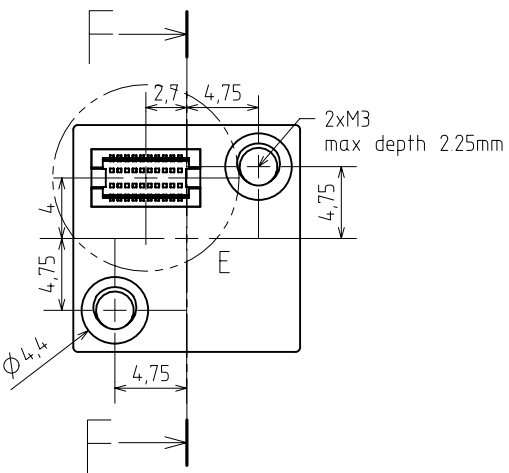
MU9-MH-ADAPT-M



MU9-MH-ADAPT-L



SECTION F-F



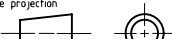
MU9-MH-ADAPT-M

Backfocal Distance Table $\phi 538\text{nm}$:			
Geometric Backfocal Distance:	7.39	-	offset
CCD Glass Cover D263:	0.4	1526	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.			

MU9-MH-ADAPT-L

Backfocal Distance Table $\phi 538\text{nm}$:			
Geometric Backfocal Distance:	10.39	-	offset
CCD Glass Cover D263:	0.4	1526	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.			

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: DF12E35-20DP-0.5V				
Note 5: Recommended mating connector Hirose PN: DF13E35-20DS-0.5V				
Note 6: Pre-assembled cable kits with custom connector available upon request				

		Date:	Name:	PN:	Customer PN:		Surface Quality:		
Designed	20090205	Klimkovic			NA		Ra 32		
Drawn	20120702	Klimkovic			Material:		Surface Finish:		
Approved	20120702			Project Class MU9 Top Level Assembly		ENAW6062		Black Anodized	
QC						First angle projection		Weight:	
MFGP								3.6g	
Department:		R&D	Default tolerances:			Units:	Scale: 2:1		Format
			ISO2768-f	Change	Date	Name	mm		A3
				Document Nr:		Doc Type:	Part Doc:	Version Revision	Page:
						EU		1.3	1 of 1