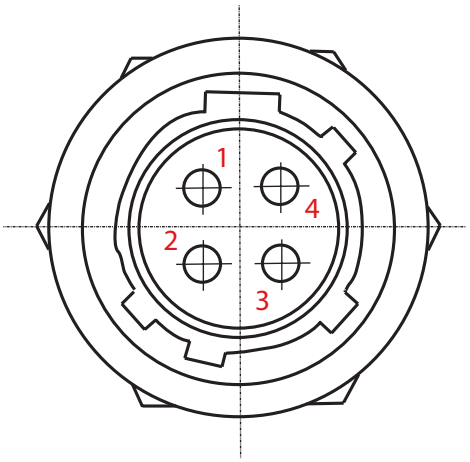
Trigger and digital out connectors

As already mentioned in the introduction, there are two ways to access the cameras trigger input and digital output: the housed cameras provide a 4-pin Hirose connector while the board cameras provide a 4-pin Molex PicoBlaze connector for this purpose.

Hirose connector

Please find the pinout of the Hirose connector in the table below and the position of these pins in the drawing on the right hand side. The part number of this connector is HR10A-7R-4P. To realize a trigger cable you need a Hirose connector HR10A-7P-4S.



rear view of camera

Pin	Signal	I/O	Remarks	Characteristics			
				Min	Typ	Max	Unit
Pin 1	GND	G	External ground	-	-	-	-
Pin 2	GP_out	O	General purpose output (open drain)	-	-	24.0[1]	V
Pin 3	Trigger_in (-)	I	Start of exposure(optocoupler **ground)**	-	-	-	-
Pin 4	Trigger_in (+)	I	Start of exposure (optocoupler **signal**)	3.3	-	12.0	V

Please note:
All specifications are subject to change without notice
[1] max. 0.2 A (ID) for open drain MOSFET.

I/O pin legend:
G External Ground
I Input
O Output