Connector selection:

board to board

high pin count

high speed

ruggedised

low profile

Best found was SAMTEC ERF5 or ERF8 series with friction latching mechanism.

<http://suddendocs.samtec.com/literature/samtec-micro-rugged-design-guide.pdf>

ERF5-030-05.0-L-DV-K (without the friction lock?)

or

ERF5-030-05.0-L-DV-FL with friction lock mechanism?

the height of the lock is just 1.46 mm so it will be hidden inside the PCB and will increase the robustness of the camera.

!screenshot-1.png|thumbnail!

<http://suddendocs.samtec.com/prints/erf5-xxx-xx.x-x-dv-xx-mkt.pdf>