Zeta

Standalone

Zeta configuration is intended for use as an autopilot controlling the whole aerial vehicle flight including (but not limited to) engine control, aircraft guidance, mission control, take-off, landing. It employs industry standard ARINC-429 and MIL-STD-1553 interfaces for communication with third-party devices (including navigation systems).

Use cases

- Autopilot with ARINC-429 and MIL-STD-1553 support

Devices included

- FC-P01-000
- IO-001-000
- LSI-001-000
- LSI-002-000

Connectors

J01, J02 — micro-D, Receptacle, 25-pin

each connector:

- 2xRS-485
- 2xCAN
- 1xRS-232
- 1xEthernet and power
- J01 additionally has console RS-232 interface

J09, J10, J11 (Optional) — micro-D, Receptacle, 9-pin

each connector:

- 1xSpaceWire

J03, J04	micro-D, Receptacle, 15-pin	
each connector:	• 2xVoltage in • 6xPWM in • 6xPWM out	• 3xRPM inductive sensor • 2xThermocouple • 3xThermistor
J05, J06	micro-D, Receptacle, 15-pin	
each connector:	• 4xARINC-429 receivers	• 2xARINC-429 transmitters
J07, J08	micro-D, Receptacle, 9-pin	
each connector:	• 1x Dual Channel (i.e. A+B) MIL-STD-1553	

Ordering information

Part Number	PD-Z01-001