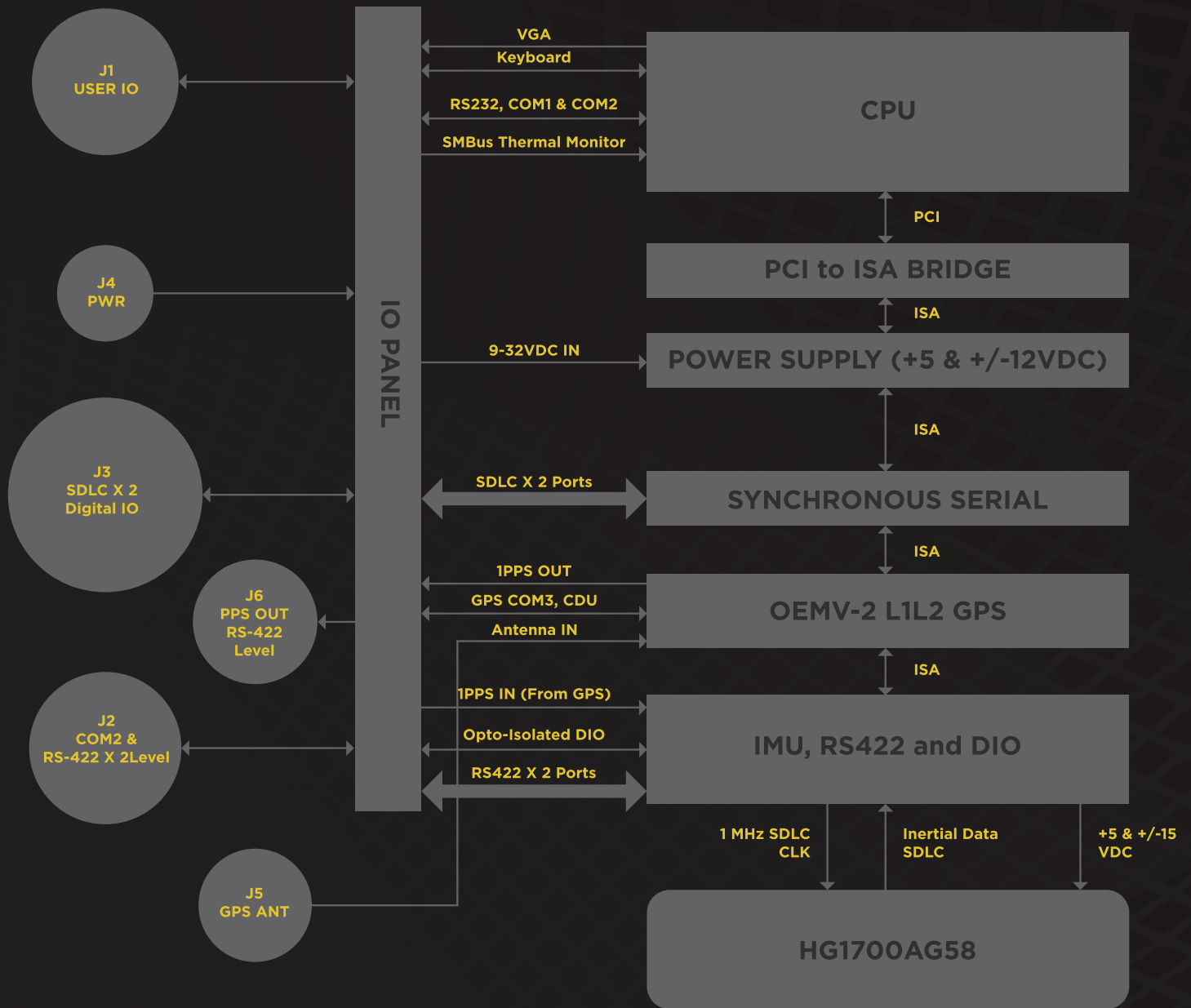




GLITE C2R

BLOCK DIAGRAM





GLITE C2R

The GLite C2R is a highly ruggedized time, space and position information system. It is a PC/104 based design in our extremely durable enclosure, capable of use in virtually any environment. This system was originally designed for flight test operations, but is scalable to any application requiring very rugged environmentally protected operation.

THE SYSTEM CAN BE CUSTOMIZED TO MEET USER REQUIREMENTS.

FOR PRICING AND MORE INFORMATION, PLEASE CONTACT US.

FEATURES

Enclosure

- Anodized Aluminum
- Dual Sealed with EMI and Environmental Seals

Glenair Series 80 MIL Connectors, Nickel-Plated, Protective Caps
HDD Activity LED, Power LED and 3 User LED, Red Green Bi Color

1 GHz Processor

- 1Gb RAM
- Video, KYB

Dual Compact Flash

75 Watt Power Supply
8-36 VCD

Overvoltage Protected, Short Circuit Protected

MIL-461 CE 102 Compliant

Novatel OEMV-2 L1L2 GPS with Operation up to 921 kbps

Dual SDLC/Sync/Async RS-422 Serial IO up to 10 Mbs

Dual RS-422 up to 921.6 kbs

8 Optically Isolated Inputs with the Capability of Generating Interrupts

Honeywell HG1700-AG58 and Communications Interface

- Time Tagged to GPS with 100pS Resolution
- Interrupt Generation on Data Read
- 1PPS Interrupt Generation
- Software Configured

Environmental Compliance

- EMI/EMC MIL-STD-461
- ESD
- Humidity
- Salt Spray
- Thermal -40 to +85C
- Altitude to 50000 feet (operating)
- Explosive Atmosphere
- Vibration 5.7 Grms, 8 hours per axis, 3 axes
- Crash Shock Safety, 40g
- Jet Wake, Carrier Landing
- Sonic Exposure to 146dB for 1 hour



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