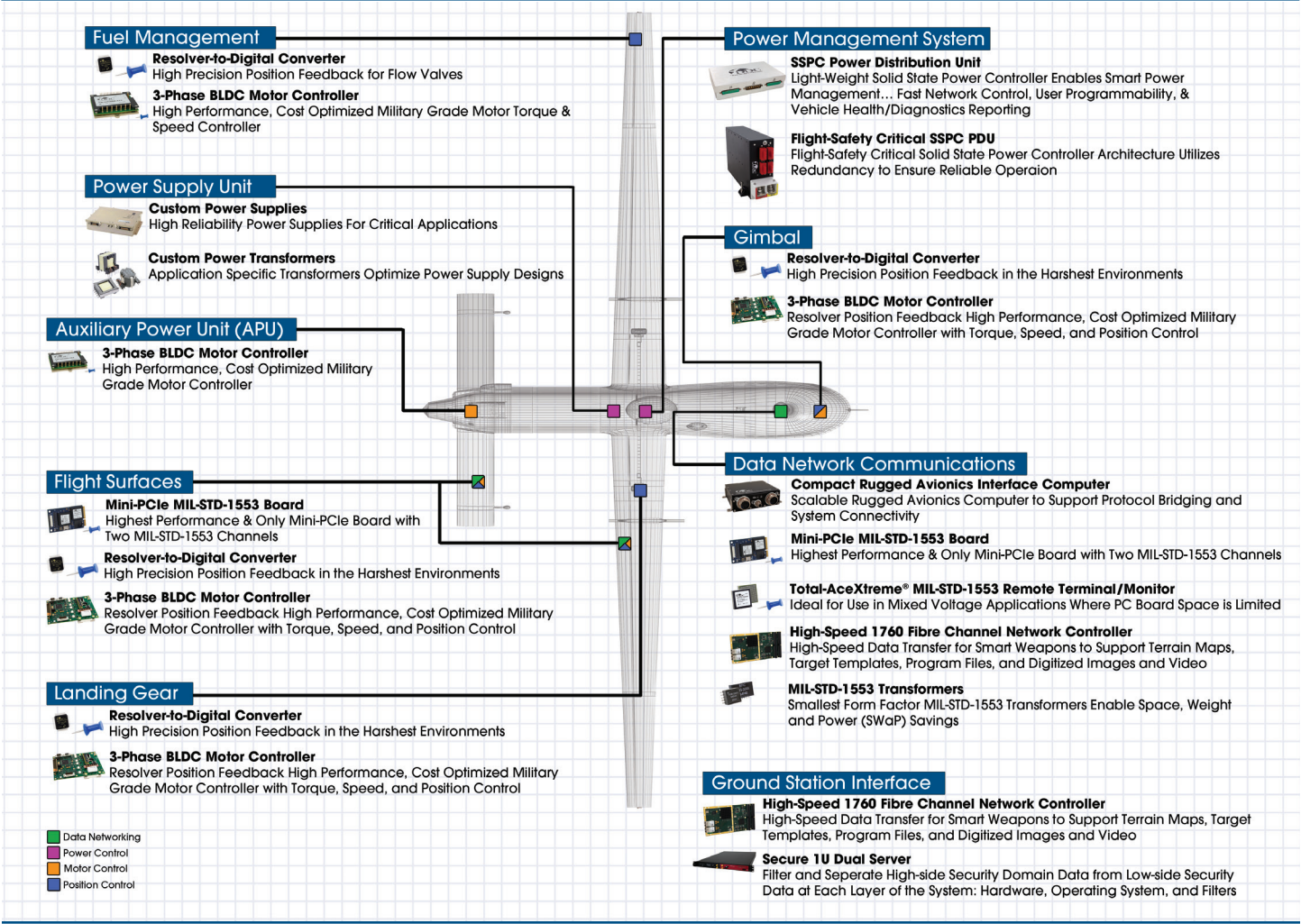


Unmanned Aerial Vehicles



DDC's field proven technology is integrated into many of the world's most advanced UAV systems:

- | | | | | |
|------------------------|---------------------|-------------------|------------------|---------------|
| • A160 hummingbird UAV | • IAI Heron | • MQ-8 Firescout | • RQ-4E Eurohawk | • TUAV |
| • Blue Devil Block II | • K-Max | • MQ-9 Reaper | • RQ-5 Hunter | • X-45 J-UCAS |
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| • Gray Eagle (Warrior) | • MQ-4C Triton BAMS | • Pegasus X-47 | • Strix | |
| • HSTDV | • MQ-5B Hunter | • RQ-4 Globalhawk | • Talarion | |

For more information: www.ddc-web.com/UAV

Power

Light-Weight Solid-State Power Control PDU



Model: RP-20321X

Features:

- Optimized Weight for Flight < 3lbs
- Nominal 28VDC Operation, MIL-STD-1275C, MIL-STD-704 Compliant
- Total Continuous Current of 120A
- 32 Independent Load Channels
- 5A, 10A, and 20A Channels with 10:1 Current Programmability
- 1A, Low Side Channels
- Instant Trip and I²t Protection/Thermal Memory

Motor Drive and Control

Position, Torque, and Speed Control



Model: PW-87XXXNXX0X

Features:

- Complete COTS Motor Control Solution
- 600VDC Rating Available
- Up to 75A Output Current
- CANbus, RS-232, RS-422, and RS-485 Ethernet
- Hall or Resolver Feedback Support
- Sine Drive Capable
- 3 Analog Inputs, 4 Digital Inputs
- 2 Digital Outputs
- GUI Based Set-up Utility

Flight Safety-Critical SSPC PDU



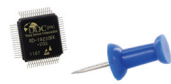
Model: RP-2F241XXXX

Features:

- Nominal 28VDC Operation, MIL-STD-461, MIL-STD-810, DO-160G Compliant
- MIL-STD-704 Compliant
- Total Continuous Current of 260A
- 24 Independent Load Channels
- Channels with 10:1 Current Programmability
- Redundant Architecture

Motor Positioning & Feedback

Resolver-to-Digital & LVDT Converters



Model: RD-19230

Features:

- +5V Only Option
- Internal Synthesized Reference
- Serial, Parallel, & AqB Emulation Data Output Options
- Programmable Resolution (10, 12, 14, 16 bit), Bandwidth, & Tracking
- ±Accuracy up to 1 Arc Minute
- Analog Control System Eliminates Need for DO-178 Re-certification
- Extended Temp Range: -55°C to +125°C

Custom Power Supplies



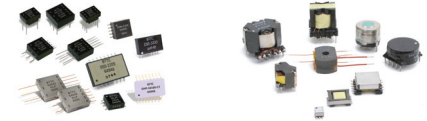
Model: custom

Features:

- Line Replacement Units (LRUs), Integrated Assemblies, and Embedded Power Supplies
- Custom Mechanical Envelope
- Power Ranges from 20 Watts through to Several Kilowatts
- Inputs of 115VAC, Fixed or Variable Frequency, 28VDC or Dual 115VAC/28VDC or Custom
- Outputs Designed to Specific Customer Requirements

Transformers

MIL-STD-1553 and Power



Models: custom

Features:

- MIL-STD-1553 Transformers
 - Built & Tested to MIL-PRF-21038 & MIL-STD-202 (M-Level & T-Level Screening Available)
 - For Use with MIL-STD-1553 A & B, McAir, A-3818, A-5690, A-5232, & A-4905
- Power Transformers
 - MIL-PRF-27, QPL-DSCC Qualified Transformers (Designation MIL-PRF-27/43-01 A/B through MIL-PRF-27/43-44 A/B)

Data Networking

Compact Avionics Interface Computer



Model: BU-67125

Features:

- Embedded Intel® Atom E3845 Quad Core Processor
- 16GB DDR3 EEC Memory
- 128GB SSD Fixed and/or Removable Memory
- Dual Gigabit Ethernet Interfaces for Network Connectivity
- Expandable 2x mPCIe Sites and Custom Expansion Module to Support Additional I/O Interfaces

Total-AceXtreme®



Model: BU-67301B

Features:

- Fully Integrated 1553 Terminal & Transformer in a BGA Package
 - 324 Ball BGA 16mm x 16mm (0.63in. x 0.63in.)
 - Protocol, 2Mb RAM, Transceivers & Transformers
- Ultra Low Transceiver Power
- Built-In Self Test & JTAG Support
- 1 Dual Redundant 1553 Channel
- BC or Multi-RT with Bus Monitor

Secure 1U Dual Server



Model: BU-67127W

Features:

- Cross Domain Solution Enabling Transfer, Filtering, & Separation of Secure Information
- 2.4GHz Intel i7 Quad Core Haswell Processor
- 16GB Dual Channel 1333 DDR-3 RAM Memory
- 10/100/1000 Ethernet
- (1) USB 2.0 Port Serial Interface
- (1) VGA
- 120 VAC (Isolated Power Supply)

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DDC designs boards, hybrids and multi-chip modules (MCM) to meet ruggedness and reliability levels for performance in the most demanding environments. Our expertise lies in our engineering and manufacturing abilities to reduce size, weight and power while providing the highest level of integration into small single packaged solutions.

Quality

- Underwriters Laboratories (UL) Certified:
 - ISO 9001: 2008 Certified
 - AS9100, Rev. C Compliant
 - EN9100 Compliant
 - JIS Q9100 Compliant
- Defense Supply Center Columbus (DSCC) Certified:
 - MIL-PRF-38534 Class D, G, H, & K



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