



SIT- 61860B3-202

How To Second Source DDC 1553 terminals

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Introduction

Device Data Corporation (DDC) has been providing MIL-STD-1553B device terminal for several decades. The 1553 terminals by DDC, mainly Mirco-ACE™, have been adopted by customers on many programs and are widely used nowadays in avionics, munitions and I/O boards.

The Challenge with DDC:

Technology- DDC Micro ACE devices are built with legacy components that are becoming obsolete and extensive.

Delivery - DDC Micro-ACE devices delivery times are often very long.

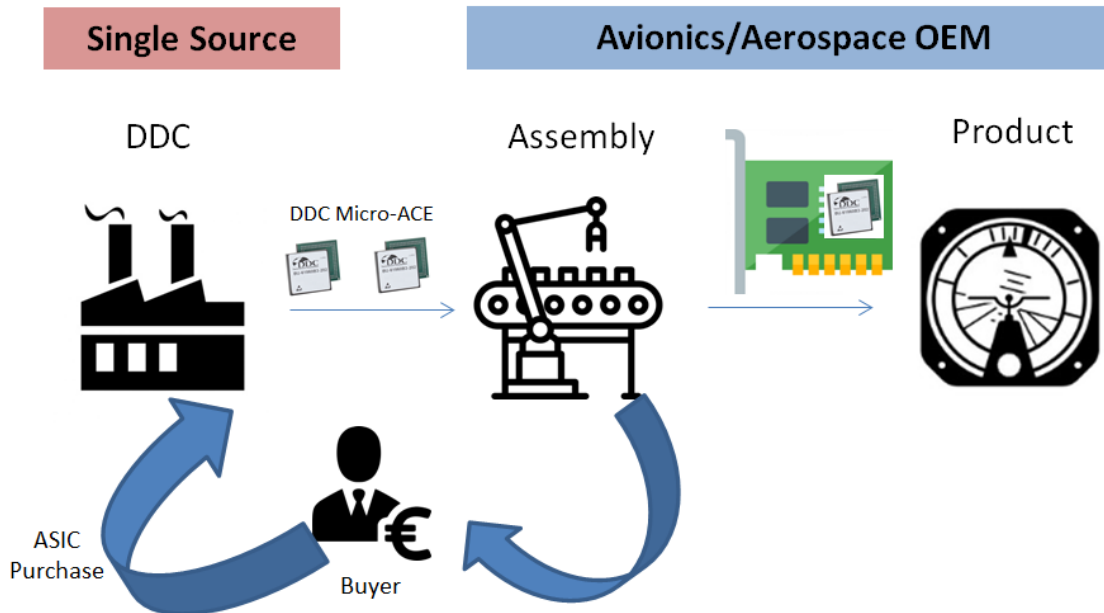
Price - DDC Micro-ACE prices greatly increase over the years.

Single Source – Dependency on single source is risky and not recommended.



Source: <https://www.ddc-web.com/>

The Current Process with DDC:



DDC is a single source on your 1553 Micro-ACE terminals.

DDC constantly increases Micro-ACE unit price (\$600/unit and more).

Your company has internal manufacturing capabilities but you stuck with a hardware vendor that are taking advantage of their position over you.

SIT-61860B3-202 - The End for DDC Single Source:

SIT-61860B3-202 is an FFF (Fit, Form and Function) twin to DDC’s Micro-ACE 1553 terminals and thus offers a 100% pin compatible, drop in replacement for DDC’s Micro-ACE products.

Unlike DDC’s Micro-ACE, the SIT-61860B3-202 is a PCB based design with an FPGA and discrete components transceiver which can be assembled by any licensed customer.

Comparison Between Sital and DDC

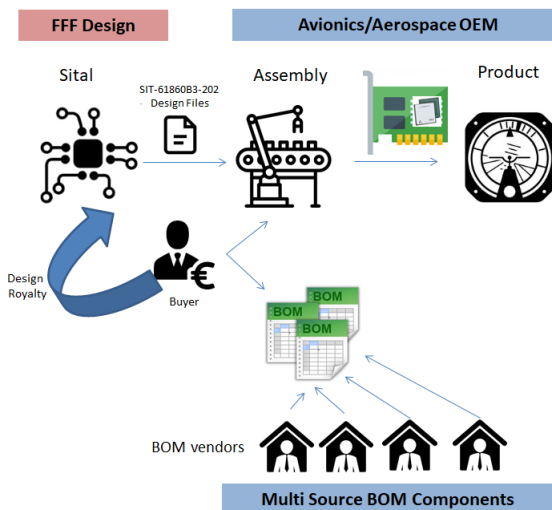
	DDC BU-61860B3-202	Sital SIT-61860B3-202
Technology	Legacy ASIC assembly	Newest FPGA with best of breed power efficiency
Manufacturing	Single ASIC	PCB layout, discrete COTS components
Availability	Single Source from DDC	Licensed BOM , Sourced from multiple sources
Business Model	Customer buys the ASICs	Customer licensed the design, internally manufactures the devices and pays royalties
Price	~\$600/unit	~\$250-\$180/unit (including BOM and assembly) depending on quantities



Why should you consider SIT-61860B3-202??

- **Vendor Control:** License SIT-61860B3-202 design instead of buying ASICs
- **Price Control:** Source BOM from multi sources for best price and availability
- **Manufacturing Control:** Manufacture SIT-61860B3-202 in-house
- **Risk Management:** End DDC single source problem
- **Cost Reduction:** Reduce 1553 device price by more than 50%!

SIT-61860B3-202 FFF Compatible DDC device part numbers:
Micro-ACE :BU-61860B3-202



Sital’s SIT61860B3-202 Approach

What’s Next?

Check with your buyers for purchasing quantities of DDC Micro-ACE devices listed above. Yearly volumes of 500 units and above justify the effort to second source. [CONTACT US TO LEARN MORE](#)