F-16 DFLCC Upgrade

F-16 Aircraft Digital Flight Control Computer (DFLCC), I/O (Input/Output) circuit card assembly (CCA)

Retrofit Program Digital Flight Controller
NSN: 6615-01-448-6152WF
P/N: 3757528-1

Background
The DFLCC combines pilot inputs along with aircraft motion and flight conditions to command position of the flight control surfaces for increased aircraft performance and survivability. The old I/O CCA has significant obsolescence issues making it extremely difficult to support repair efforts and forcing F-16 users to perform their own retrofits.

Solution
Honeywell manufactured new cards and USAF approved and finalized the I/O Circuit Card Assembly Retrofit program. The New CCA is a form, fit and function, drop-in replacement for existing I/O cards. The I/O CCA is used 4x per DFLCC. This retrofit program is applicable to F-16C/D (Block 40/42 and 50/52) aircraft. USAF advises to perform this retrofit when the unit returns to the Depot. During the repair phase USAF maintainers will replace all 4 cards even if only one card has failed. The US Air Force will perform a base by base forced retrofit to ensure single configuration DFLCC per base. This retrofit program is reflected at DFLCC TCTO: 5A7-3-44-510.

Old CCA Card
- Low reliability
- High removal rates
- Obsolescence issues

New CCA Card
- A form, fit and function solution
- Drop-in replacement
- Significant increase in reliability
- Reduced lifetime cost of ownership
- Increased mission availability

New Circuit Card
(Qty 4 per DFLCC)
P/N 7001644-9 OR 29, NSN 5998-01-538-1695

All P/N DFLCCs Circuit Card to be replaced
(Qty 4 per DFLCC):
P/N 2824882-1, NSN 5998-01-373-1317
P/N 2824882-2, NSN 5998-01-372-2826
P/N 2824882-3, NSN 5998-01-372-6659

Please contact us for pricing and availability | sales@aeroprecision.com