

DESIGN DOCUMENT

Area : Converse Engine

Category: Feed (Avionics)

TEAM: Propulsion

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**CONVERSE ENGINE CONTROL UNIT PROGRAM MODULES (ABSTRACTED**)

Entry

**Communication Module**

**Utility Module**

**Driver Router Module**

RF Comms Driver

*Program Temporary Access Memory*

**Measurement/ Analysis Module**

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GPIO

Engine Config

Pressure-T Drivers

Valve Drivers

Parser

FLASH STORE

Telemetry Packaging

Temp Drivers

Timers

Spark Plug Drivers

SBC-Comms

Engine Properties Calculations

**Control Module**

Testing

Set engine config

STATE MACHINE

Abort Manager

Telemetry

Active Operation

Preconditioning