



**M2 AIS**

**Design Document**

# **M-2 Block Diagrams**

**ds036-04.doc**

Issue 1

## Amendment Record

Issue	Date	Amendments	Who
1	23 Dec 04	First issue for comments and discussion	N Taylor

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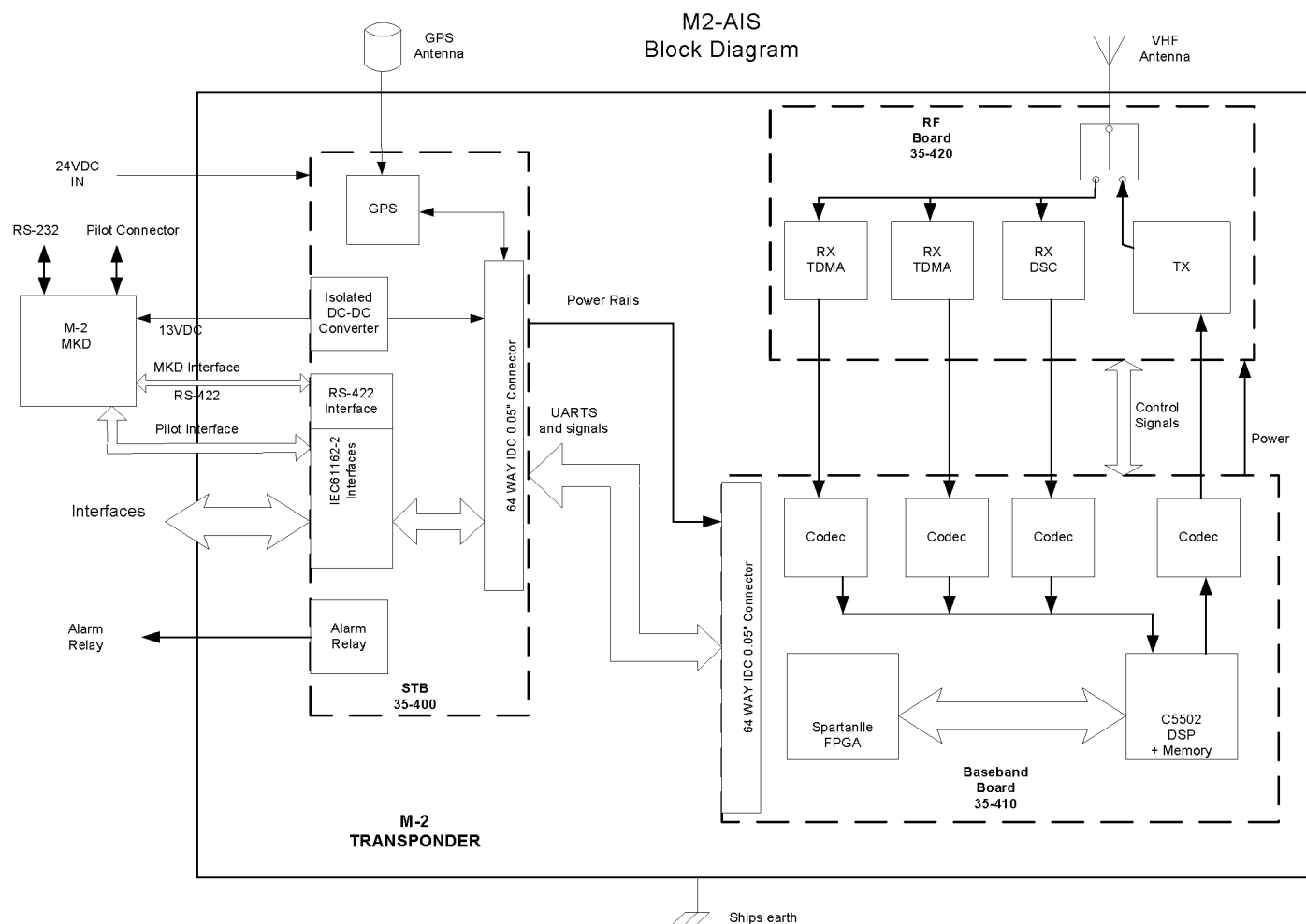
## **1 Introduction**

### **1.1 Scope**

This document provides block diagrams for the various hardware modules that are contained with the M-2 AIS transponder.

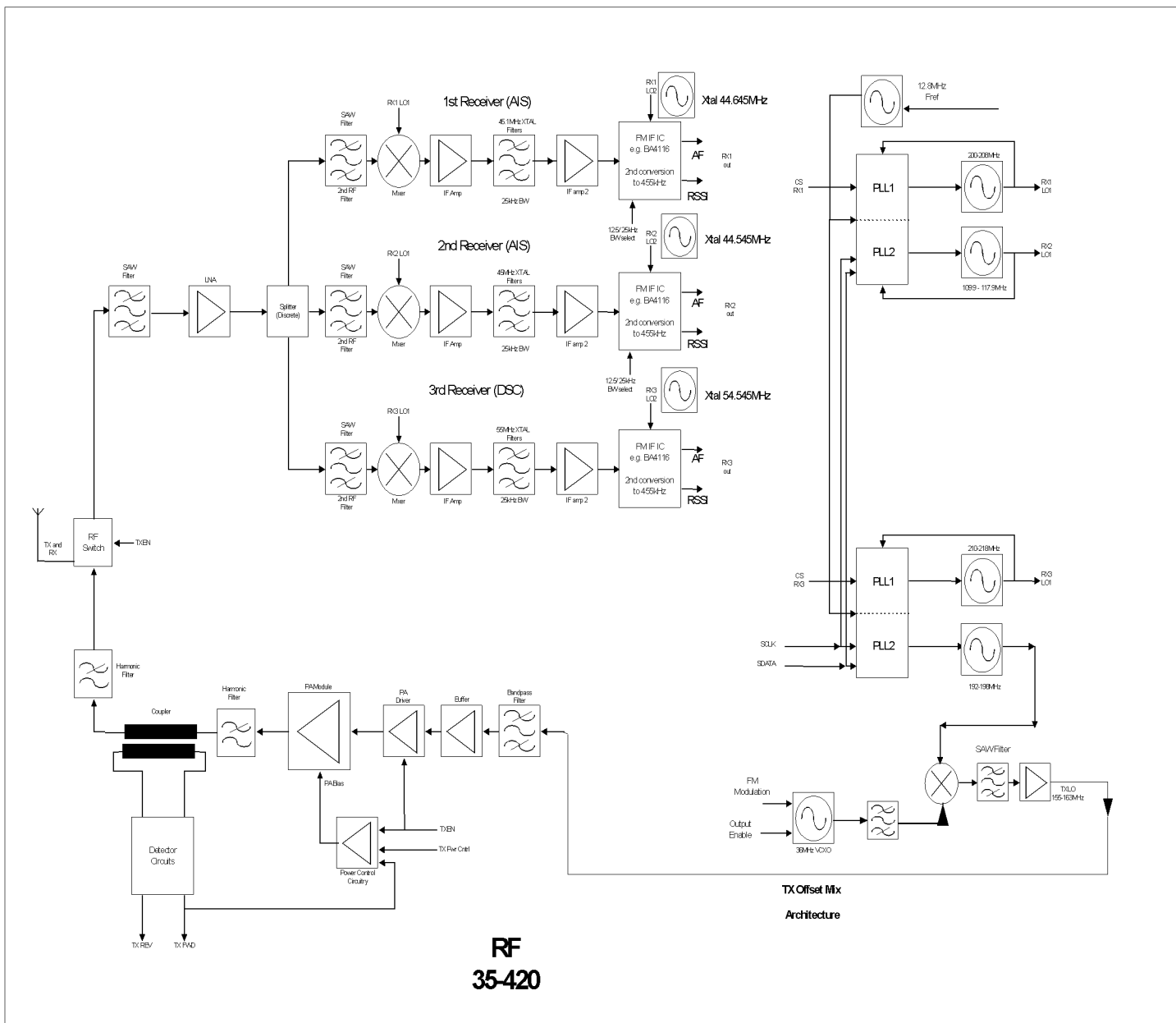
## 2 Architecture of the M-2 Transponder

### 2.1 Block diagram – Complete System



## 2.2 35-410 RF PCB

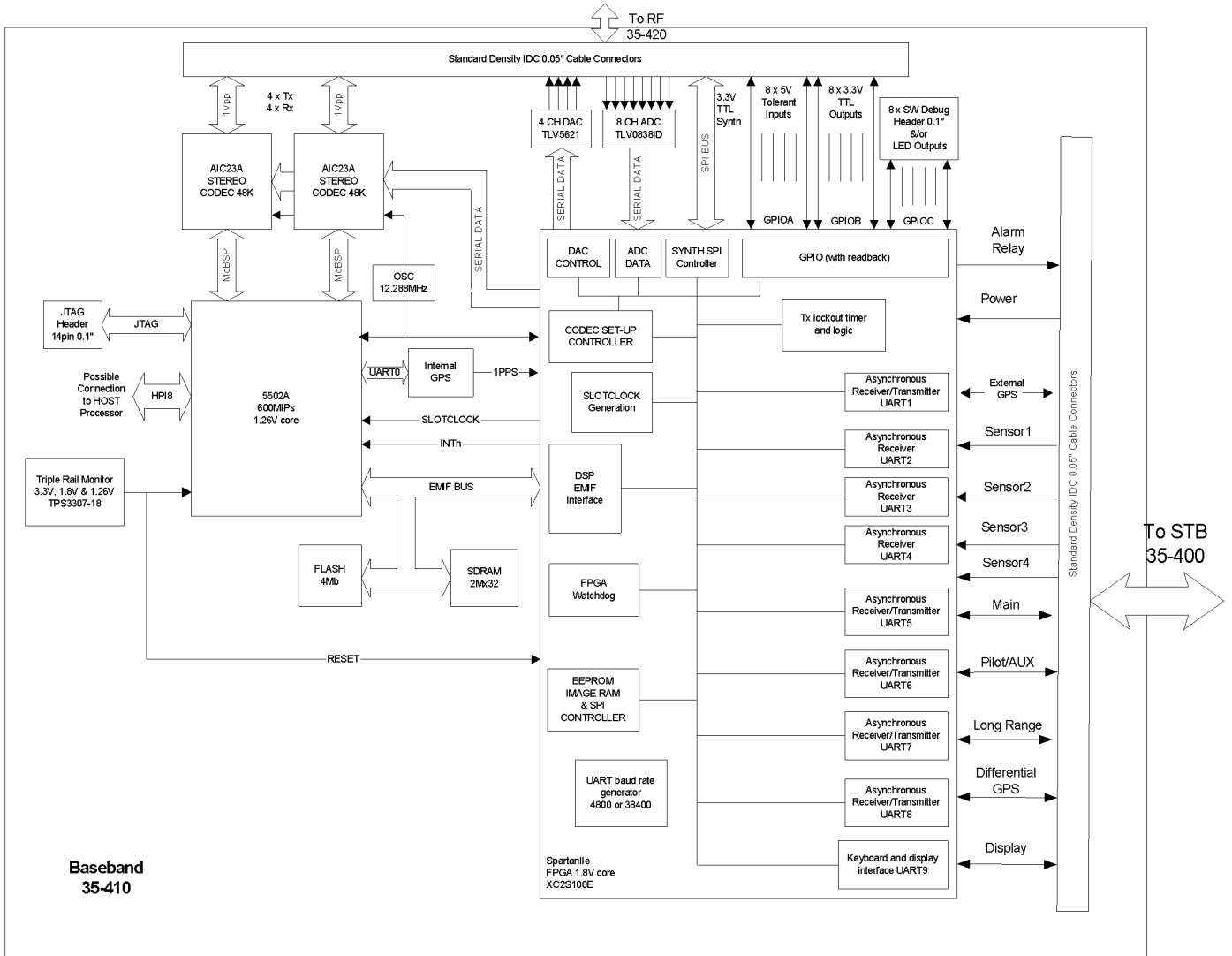
### 2.2.1 Block diagram – RF hardware



## 2.3 35-420 Baseband PCB

### 2.3.1 Block diagram – Baseband pcb

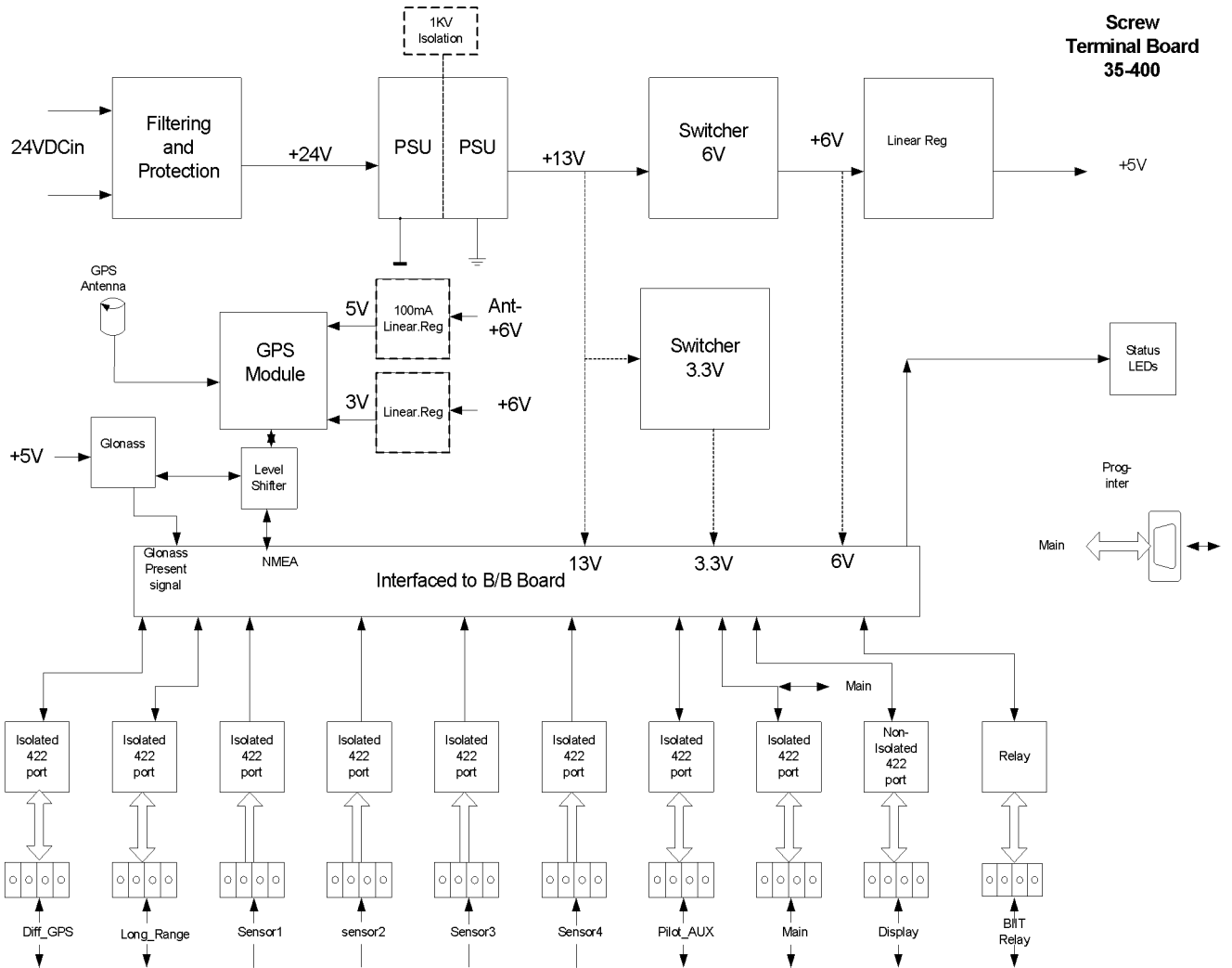
Block diagram below shows the base band hardware architecture.



### 2.3.2 DSP subsystem

## 2.4 35-400 Screw Terminal (STB) PCB

### 2.4.1 STB Block diagram





### 3 Architecture of the M-2 MKD

#### 3.1 Block diagram – MKD

