mcmurdo 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

Author	
Signature	
Name	Fadi Ibrahim
Date	23 Dec 04

Approved by Project Manager	
Signature	
Name	Nick Taylor
Date	23 Dec 04

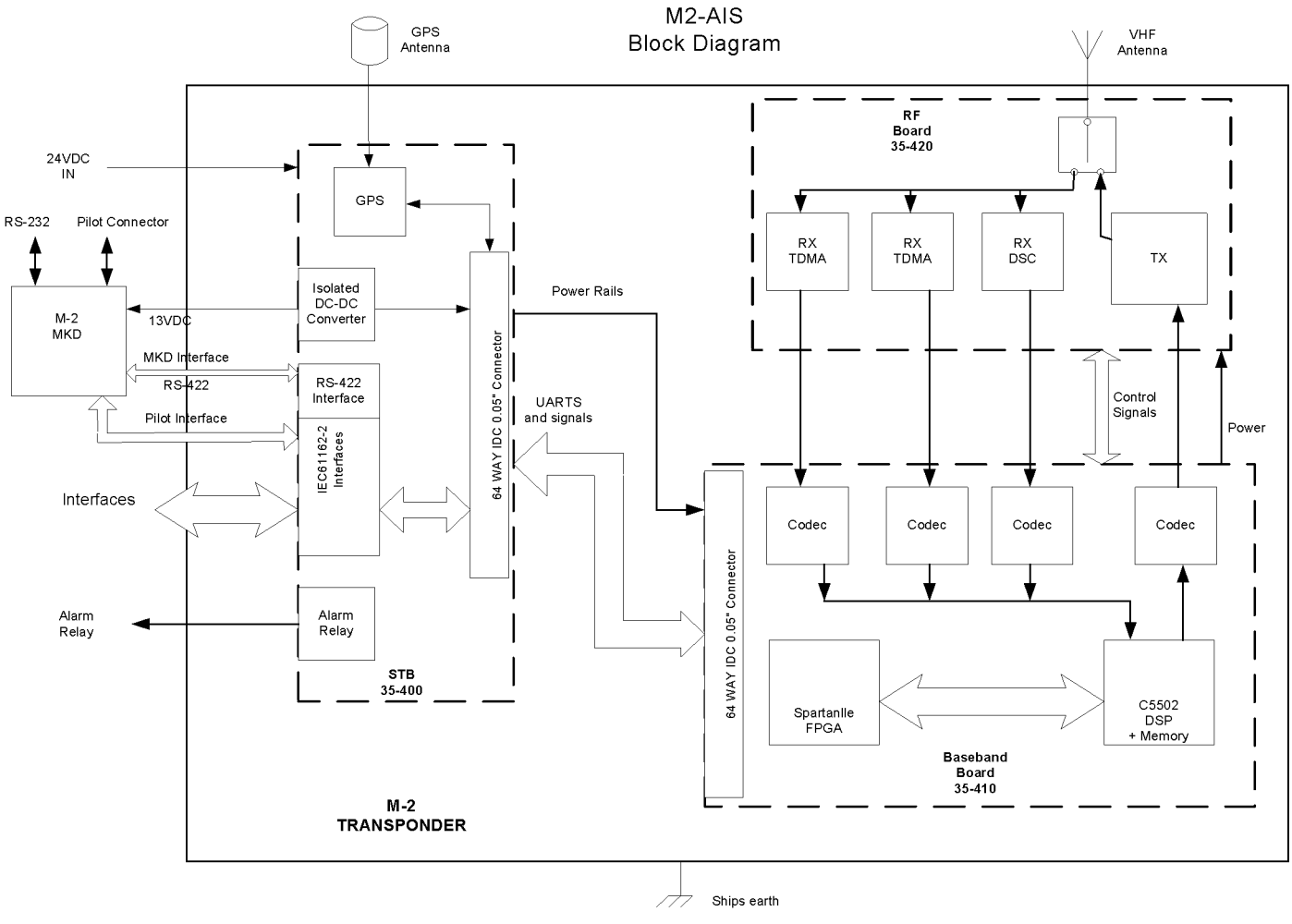
1 Introduction

1.1 Scope

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

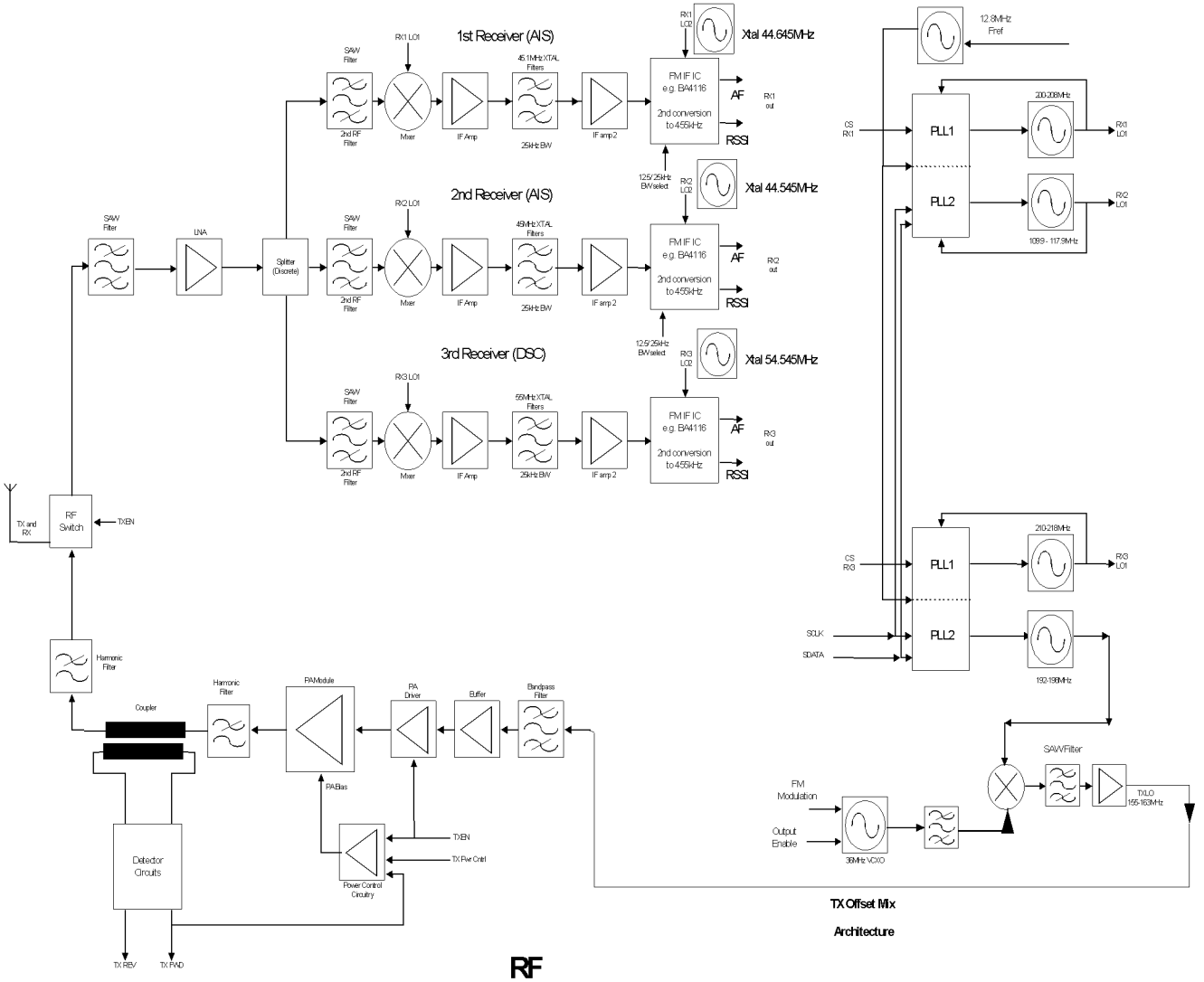
2 Architecture of the M-2 Transponder

2.1 Block diagram – Complete System



2.2 35-410 RF PCB

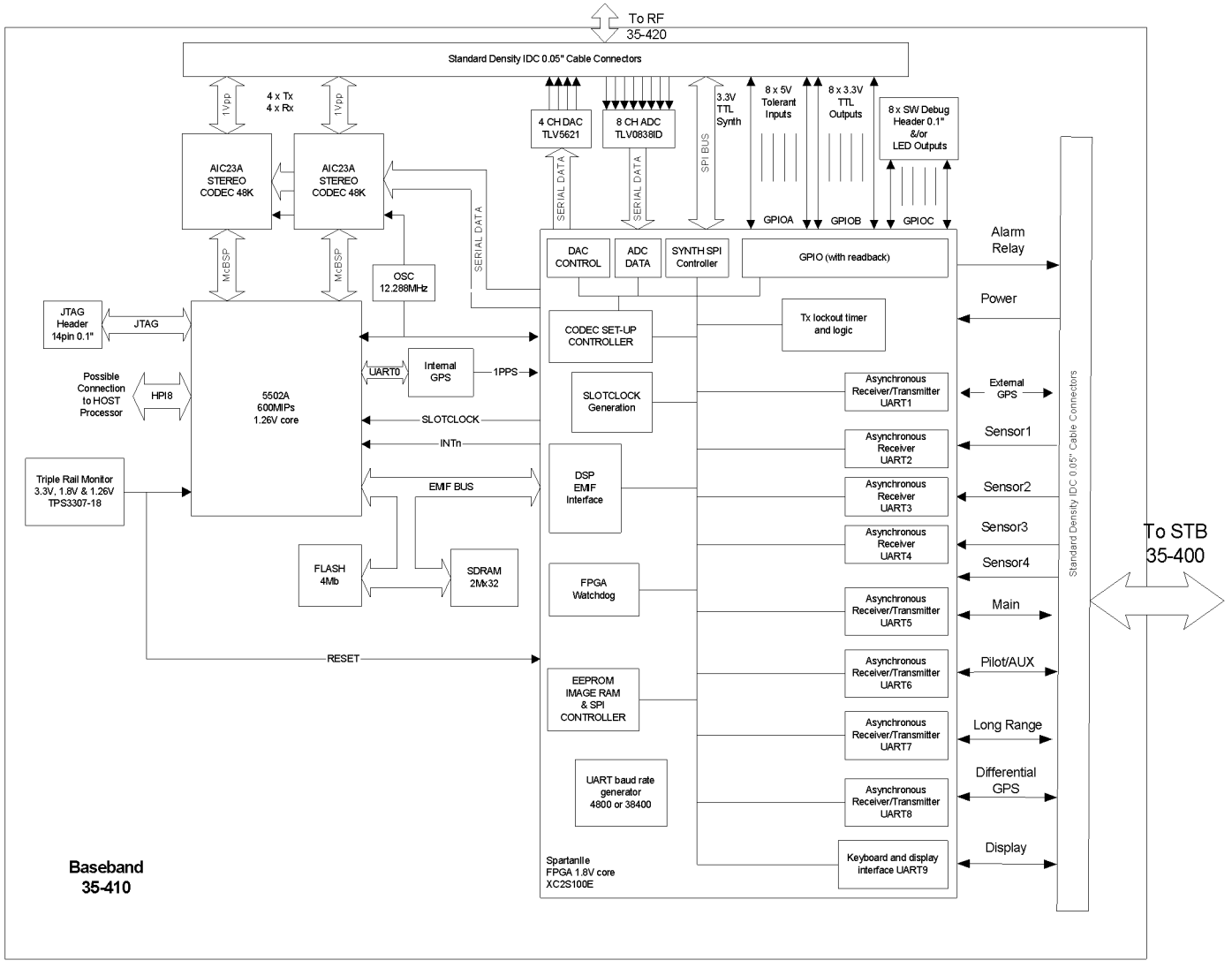
2.2.1 Block diagram – RF hardware



2.3 35-420 Baseband PCB

2.3.1 Block diagram – Baseband pcb

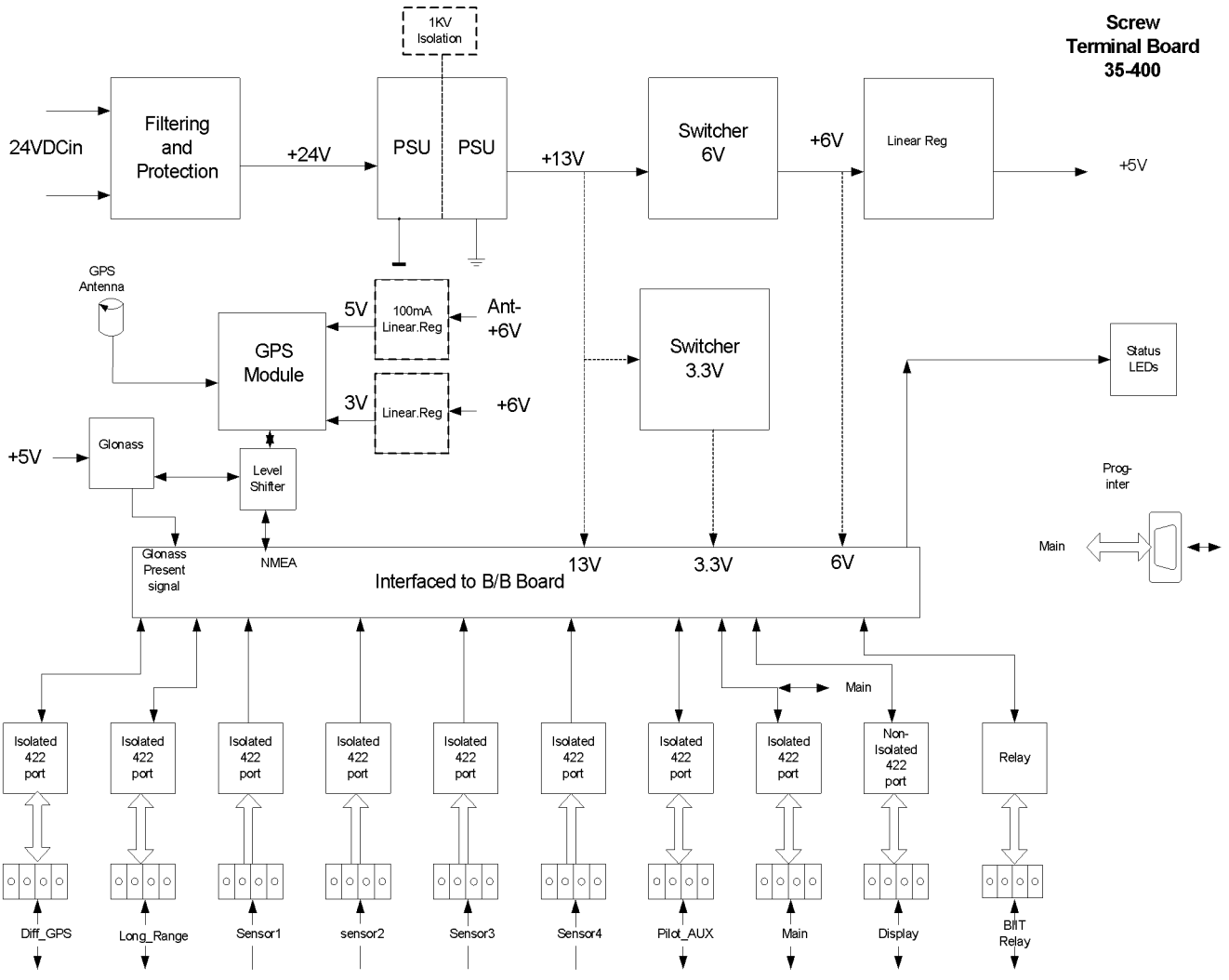
Block diagram below shows the base band hardware architecture.



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