

ALEX – HPSDR RX/TX FILTER PACK FOR MERCURY/PENELOPE

VERSION 6.2

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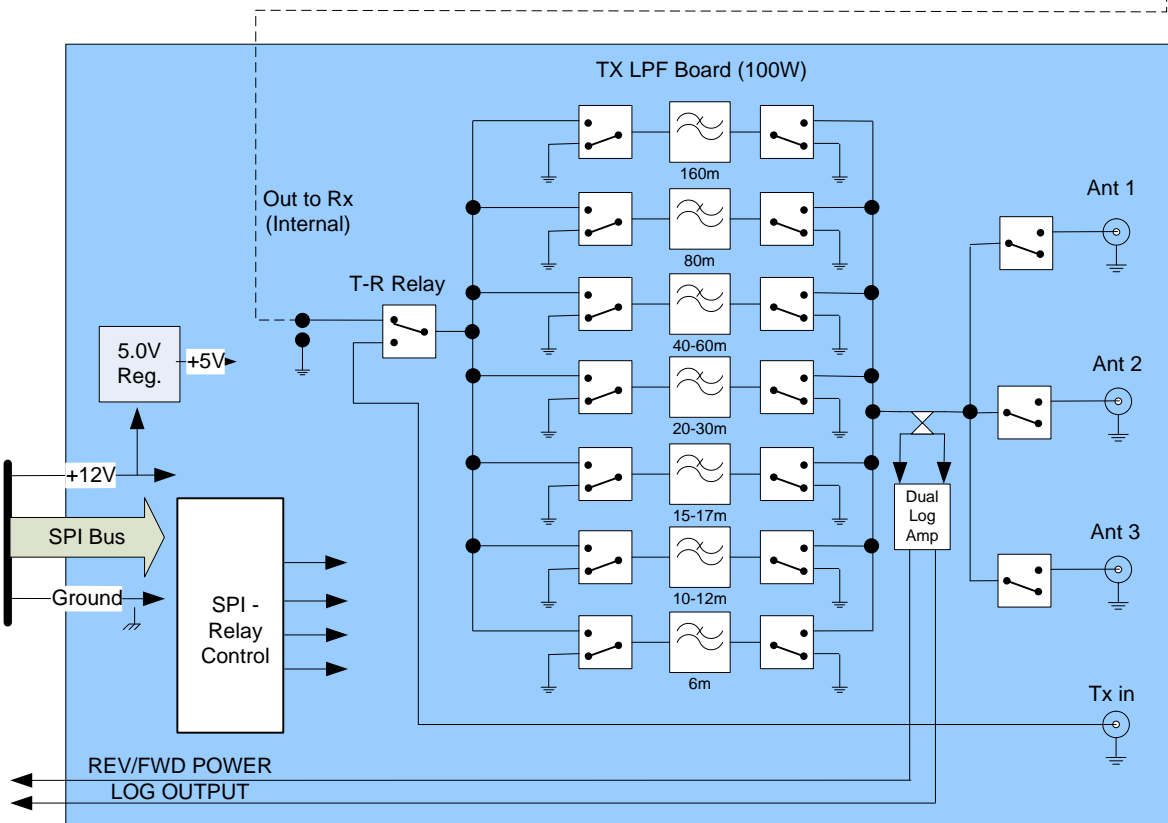
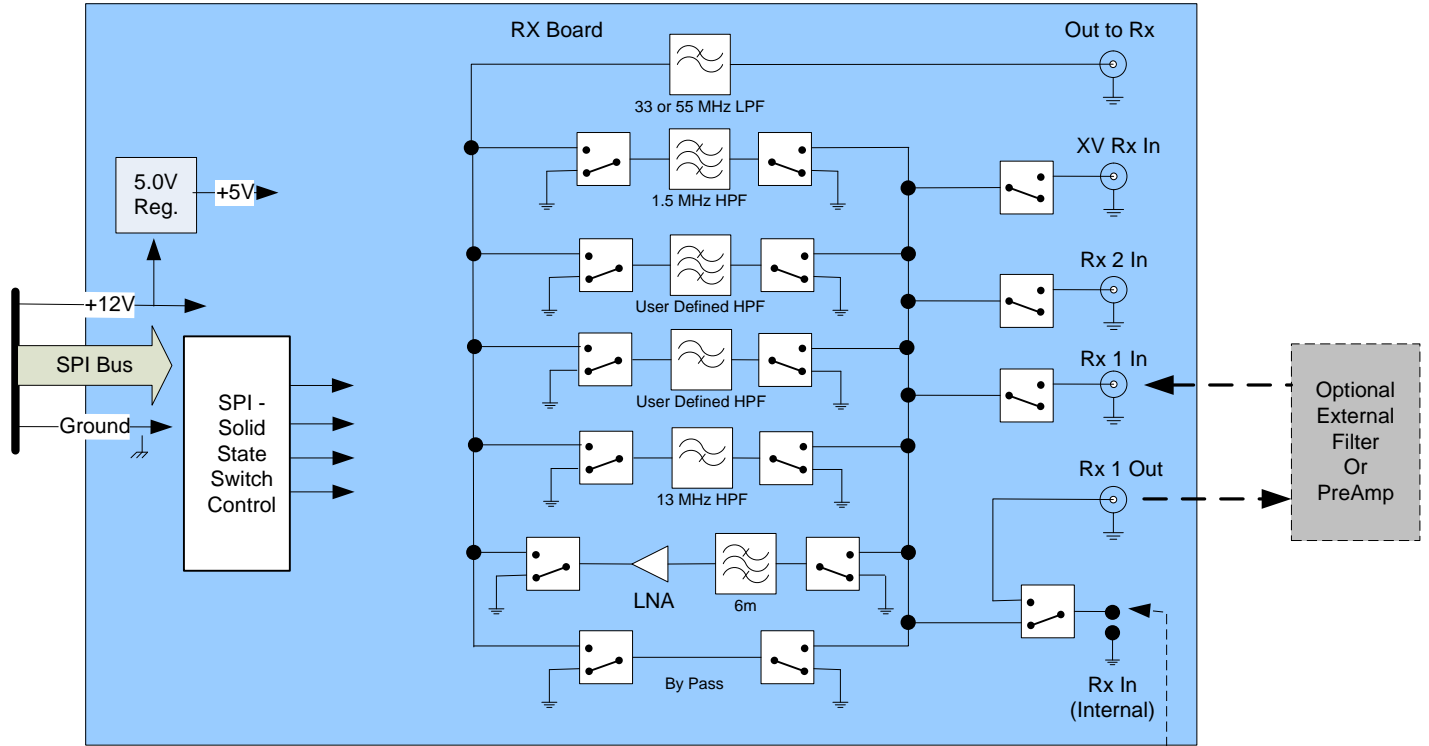
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NOTES:

1. All three PCB board sizes are 10 cm by 16 cm (Euroboard) (3.95 by 6.3 inches).
2. The three board stack will be about 4 cm (1.6 inches) thick.
3. The BNC connectors on the (bottom) RX board may have to be moved to the bottom of the board to get enough spacing relative to the TX board BNC connectors.
4. The directional coupler for the TX board is not implemented yet.
5. The RX board is for outline reference and connector placement only.

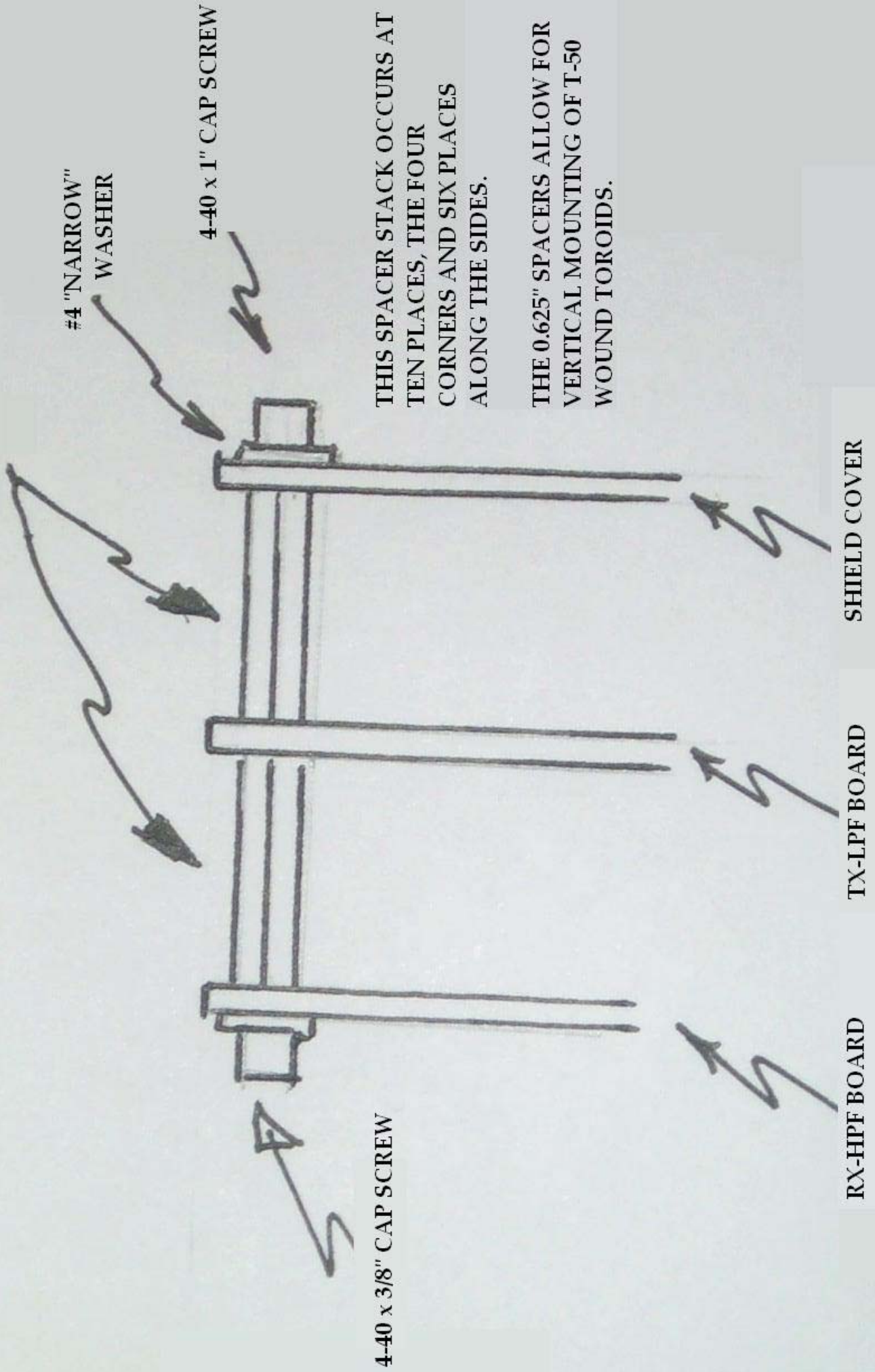
Alexiares (ALEX) – Block Diagram



Note 1: All switches on RX board are Hittite solid state.

Note 2: All switches on TX LPF board are relays.

0.625" HEX 4-40 SPACER



#4 "NARROW"
WASHER

4-40 x 1" CAP SCREW

4-40 x 3/8" CAP SCREW

THIS SPACER STACK OCCURS AT
TEN PLACES, THE FOUR
CORNERS AND SIX PLACES
ALONG THE SIDES.

THE 0.625" SPACERS ALLOW FOR
VERTICAL MOUNTING OF T-50
WOUND TOROIDS.

RX-HPF BOARD

TX-LPF BOARD

SHIELD COVER

Bottom

ALEX TOP SHIELD

VERSION 1.0

