RF Input Block

RF Signal -> Attenuator -> Switch -> Multiplexer -> Splitter

Labrador -> HF Trigger

Labrador -> LF Trigger

RF Signal -> Attenuator -> Switch -> Splitter

Labrador -> LF Trigger

Labrador -> HF Trigger
HF Trigger Block

- RF Signal 1
- RF Signal 2
- Comparator
- Comparator
- Comparator
- CPLD
- DAC
- -1.35V
- RF1 Pos
- RF1 Neg
- RF2 Pos
- RF2 Neg
- RF2 Pos
- RF1 Neg
- RF1 Neg
LF Trigger Block

RF Signal 1 | Comparator | RF1 Pos | RF1 Neg | RF2 Pos | RF1 Neg
RF Signal 2 | Comparator | HF Pos 1 | LF Pos 1 | HF Neg 1 | LF Neg 1 | HF Pos 2 | LF Pos 2 | HF Neg 2 | LF Neg 2
CPLD | DAC | 4 OR - gates | Pos 1 | Neg 1 | Pos 2 | Neg 2
LABRADOR, CPLD and USB

RF Signal

DAC

LABRADOR

Control to Atten. and Switch

CPLD

Control from Trigger

12

38

USB

Data

Control