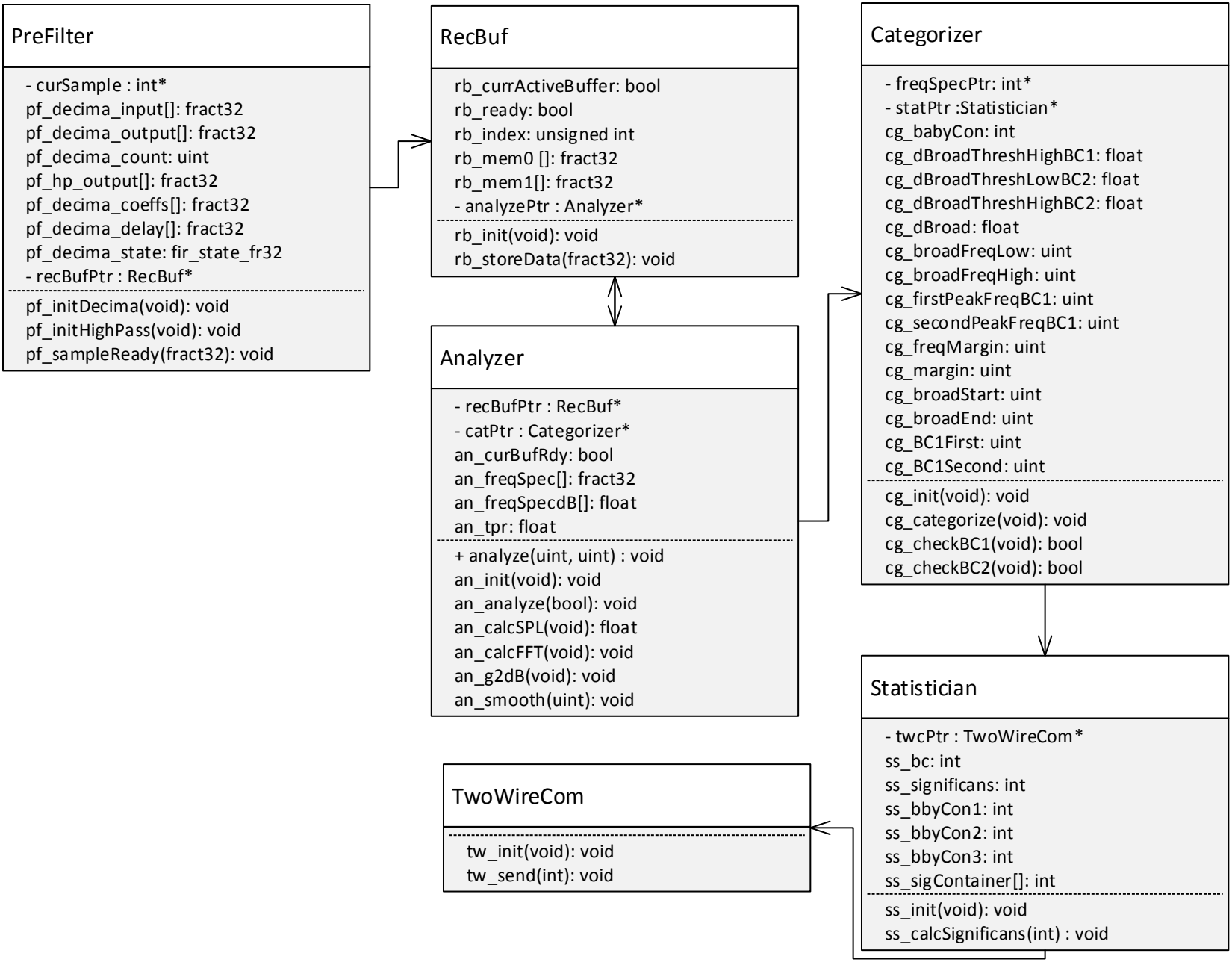
PreFilter
- curSample : int*
pf_decima_input[]: fract32
pf_decima_output[]: fract32
pf_decima_count: uint
pf_hp_output[]: fract32
pf_decima_coeffs[]: fract32
pf_decima_delay[]: fract32
pf_decima_state: fir_state_fr32
- recBufPtr : RecBuf*
pf_initDecima(void): void
pf_initHighPass(void): void
pf_sampleReady(fract32): void
RecBuf
rb_currActiveBuffer: bool
rb_ready: bool
rb_index: unsigned int
rb_mem0 []: fract32
rb_mem1[]: fract32
- analyzePtr : Analyzer*
rb_init(void): void
rb_storeData(fract32): void
Analyzer
- recBufPtr : RecBuf*
- catPtr : Categorizer*
an_curBufRdy: bool
an_freqSpec[]: fract32
an_freqSpecdB[]: float
an_tpr: float
+ analyze(uint, uint) : void
an_init(void): void
an_analyze(bool): void
an_calcSPL(void): float
an_calcFFT(void): void
an_g2dB(void): void
an_smooth(uint): void
Categorizer
- freqSpecPtr: int*
- statPtr :Statistician*
cg_babyCon: int
cg_dBroadThreshHighBC1: float
cg_dBroadThreshLowBC2: float
cg_dBroadThreshHighBC2: float
cg_dBroad: float
cg_broadFreqLow: uint
cg_broadFreqHigh: uint
cg_firstPeakFreqBC1: uint
cg_secondPeakFreqBC1: uint
cg_freqMargin: uint
cg_margin: uint
cg_broadStart: uint
cg_broadEnd: uint
cg_BC1First: uint
cg_BC1Second: uint
cg_init(void): void
cg_categorize(void): void
cg_checkBC1(void): bool
cg_checkBC2(void): bool
Statistician
- twcPtr : TwoWireCom*
ss_bc: int
ss_significans: int
ss_bbyCon1: int
ss_bbyCon2: int
ss_bbyCon3: int
ss_sigContainer[]: int
ss_init(void): void
ss_calcSignificans(int) : void
TwoWireCom
tw_init(void): void
tw_send(int): void