```
    channels

    homogenous

    curr_block

    types_ordered

- types_input
- block_info

    samples

+ SampleBlock()
+ ~SampleBlock()
+ getNrOfBlocks()
+ getNrOfChannels()
+ getNrOfSamples()
+ getNrOfSignalTypes()
+ deleteSamples()
+ reset()
+ at()
+ operator[]()
+ init()
+ getTypes()
+ getSamples()
+ getFlagByNr()
+ getSignalByFlag()
+ getSignalByNr()
+ appendBlock()
+ setSamples()
sort()
checkBlockIntegrity()
            < double >
                                      Constants
                               + tobi
                               + subject
                               + s_id
                               + s_name
                               + s_sex
                               + s_birthday
                               + SS
                               + ss_tcp
                               + ss_udp
                               + hardware
                               + hardware_name
                               + hardware_version
                               + hardware_serial
                               + hw_mode
                               + hw_ds
                               + hw_fs
                               + hw_channels
                               + hw_ch_nr
SampleBlock< double >
                               + hw_ch_names
                               + hw_ch_type

    blocks

                               + hw_buffer

    channels

    homogenous

                               + hw_fil
- curr_block
                               + hw fil type
- types_ordered
                               + hw_fil_order
                               + hw_fil_low
types_input
- block info
                               + hw_fil_high
- samples
                               + hw_not
                               + hw_not_center
+ SampleBlock()
                               + hw_opmode
+ ~SampleBlock()
                               + hw_sc
+ getNrOfBlocks()
                               + hw_usbampmaster
+ getNrOfChannels()
                               + hw_comgnd
+ getNrOfSamples()
                               + hw_gnd
+ getNrOfSignalTypes()
                               + hw_gnd_block
+ deleteSamples()
                               + hw_gnd_value
+ reset()
                               + hw_comref
+ at()
                               + hw_cr
+ operator[]()
                               + hw_cr_block
+ init()
                               + hw cr value
+ getTypes()
                               + hw_cs
+ getSamples()
                               + hw_sel
+ getFlagByNr()
                               + hw cs ch
+ getSignalByFlag()
                               + hw_cs_nr
+ getSignalByNr()
                               + hw_cs_name
+ appendBlock()
                               + hw_bip
+ setSamples()
                               + hw_bip_with

    sort()

                               + hw_drl
checkBlockIntegrity()
                               + hw_drl_value

    supported_hardware

    signaltypes

                               - usbamp_filterTypes
                               usbamp_opModes
                               usbamp_blockNames
                               + Constants()
                               + ~Constants()
                               + isSupportedHardware()
                               + isSineGen()
                               + isUSBamp()
                               + isMobilab()
                               + equalsOnOrOff()
                               + equalsMaster()
                               + equalsSlave()
                       ١
                               + getUSBampFilter()
                               + getUSBampOpMode()
                               + getUSBampBlockNr()
                        ١
                               + getSignalFlag()
                          data
                                      cst
                              HWThread
                  # nr_ch
                  # fs
                  # samples_available
                  # blocks
                  # master
                  # cond
                  # rw
                  # sync_mut
                  # channel_info
                  # homogenous_signal_type
                  # channel_types
                  # m
                  # m_gs
                  # m_cs
                  # cst
                  # data
                  + HWThread()
                  + HWThread()
                  + ~HWThread()
                  + getName()
                  + isMaster()
                  + hasHomogenousSignalType()
                  + getNrOfBlocks()
                  + getSamplingRate()
                  + getNrOfChannels()
                  + getChannelTypes()
                  + getChannelInfoMap()
                  + samplesAvailable()
                  + checkMandatoryHardwareTags()
                  + getSyncData()
                  + getAsyncData()
                  + run()
                  # setSamplingRate()
                  # setDeviceChannels()
                  # setBlocks()
                  # setChannelSelection()
                  # setChannelTypes()
                  # isNumber()
```

SampleBlock< T >

blocks