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| Package |
| serial.monitor |

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| Package |
| serial.entity |

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| Package |
| serial.entity.impl |

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| Class: ThreadGroup |
| SerialMonitor.java |
| Constructors:   |  | | --- | | public | | SerialMonitor(String); | |
| Fields:   |  | | --- | | public | | EntityStatus<SerialReadEntity> serialReadEntityStatus; | | EntityStatus<SerialWriteEntity> serialWriteEntityStatus; | | boolean isReadSerialEntityInitialized; | | boolean isWriteSerialEntityInitialized; | | boolean isMonitoringStarted; | | boolean useReturnCarriage; | | private | | ArrayList<SerialDataListener> listeners; | | InputStream readEntityStream; | | OutputStream writeEntityStream; | | SerialPort monitorPort; | | boolean terminate = false; | | SerialReadEntity serialReadEntity; | | SerialWriteEntity serialWriteEntity; | |
| Functions:   |  | | --- | | public | | void startDataMonitoring(String, int); | | boolean isTerminate(); | | void setTerminate(); | | InputStream getReadEntityStream(); | | SerialPort getMonitorPort(); | | OutputStream getWriteOutputStream(); | | SerialReadEntity getSerialReadEntity(); | | SerialWriteEntity getSerialWriteEntity(); | | void addSerialDataListener(SerialDataListener); | | void removeSerialDataListener(SerialDataListener); | | void setReadSerialEntityListener(EntityStatus<SerialReadEntity>) | | void setWriteSerialEntityListener(EntityStatus<SerialWriteEntity>) | | boolean isUsingReturnCarriage(); | | void setUseReturnCarriage(boolean); | | ArrayList<SerialDataListener> getSerialDataListeners(); | |

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| Abstract Class: Thread |
| SerialMonitorEntity.java |
| Constructors:   |  | | --- | | public | | SerialMonitorEntity(SerialMonitor, String); | |
| Functions:   |  | | --- | | public | | SerialMonitor getSerialMonitor(); | | @Override void run(); | | protected | | Void terminate(); | | Boolean isUsingReturnCarriage(); | | Boolean isMonitoringStarted(); | | Void setMonitoringStarted(boolean); | | SerialPort getMonitorPort(); | | ArrayList<SerialDataListener> getSerialDataListeners(); | | abstract | | Void onDataMonitored(SerialMonitor); | | EntityStatus<? extends EntityStatus> getSerialEntityStatusListener(); | | Boolean isSerialEntityInitialized(); | | Void setSerialEntityInitialized(boolean); | | Closable getEntityStream(); | |

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| Class: SerialMonitorEntity |
| SerialReadEntity.java |
| Constructors:   |  | | --- | | public | | SerialReadEntity(SerialMonitor); | |
| Fields:   |  | | --- | | private | | StringBuffer stringBuffer(); | |

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| Class: IllegalStateException |
| SerialMonitorException.java |
| Constructors:   |  | | --- | | public | | SerialMonitorException(String); | |
| Fields:   |  | | --- | | public | | static final String msg; | |

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| Class: SerialMonitorEntity |
| SerialWriteEntity.java |
| Constructors:   |  | | --- | | public | | SerialWriteEntity(SerialMonitor); | |
| Fields:   |  | | --- | | private | | final ArrayList<SerialWriteCapsules> serialWriteCapsules; | |
| Functions:   |  | | --- | | public | | ArrayList<WritableCapsules> getWritableCapsules(); | | Void addWritableCapsule(WritableCapsules); | | Void removeWritableCapsule(WritableCapsules); | | private | | Void sendToUART(int); | |

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| Class: Clonable |
| WritableCapsule.java |
| Fields:   |  | | --- | | private | | String data; | | Boolean dataWritten; | |
| Functions:   |  | | --- | | public | | Void write(String); | | String getData(); | | Boolean isDataWritten(); | | Void setDataWritten(boolean); | |

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| Interface |
| SerialDataListener.java |
| Functions:   |  | | --- | | public | | Void onDataReceived(int); | | Void onDataTransmitted(int); | | Void onDataReceived(String); | |

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| Interface |
| EntityStatus.java |
| Functions:   |  | | --- | | public | | <T extends SerialMonitorEntity> | | Void onSerialEntityInitialized(T); | | Void onSerialEntityTerminated(T); | | Void onUpdate(T); | |