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| **Communications()** |
| i\_CommIn: 16bytes  pacingState: u8int\_t  pacingMode: u8int\_t  hysteresisInterval: u16int\_t  lowrateInterval: uint16\_t  vPaceAmp: uint16\_t  10\*vPaceWidth: uint16\_t  VRP: uint16\_t  vraw: uint16\_t  f\_marker: uint16\_t  i\_magnet: int  i\_vs:??  o\_CommOut: uint8\_t  o\_vp:?? |
| sendEGM(): private int  initEGM(): public void |

UML Diagrams (Draft)

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| **class\_name** |
| \*\*variable: type |
| \*\*method: type |

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| **main()** |
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| **PaceMaker()** |
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| **Pace()** |
| pacingState: enum  pacingMode: enum  hysteresis: Boolean  hysteresisInterval: uint16\_t  lowrateInterval: uint16\_t  vPaceAmp: uint16\_t  vPaceWidth: uint16\_t  VRP: uint16\_t |
| setPaceMode(enum): protected void  getPaceMode(): public enum  setPaceState(enum): protected void  getPaceState(): public enum |

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| **Sense() extends Pace** |
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| setChambersSensed(enum): protected void  getChambersSensed(): public enum  setActivityResponse(enum): protected void  getActivityResponse(): public enum |

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| **RateModulation()** |
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