

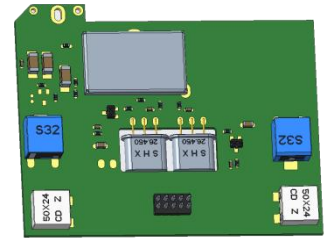
### 1. AIS03 product characteristics:

VCC:3.3V

Working current:28mA

Receiving frequency: 161.975MHz for CH A,162.025MHz for CH B

Sensitivity:-112dBm



### 2. AISD03 product characteristics :

VCC:3.3V

Working current:90mA

Receiving frequency: 161.975MHz for CH A,162.025MHz for CH B

Decoder Sensitivity:-112dBm(use AISO2 module)

#### RX Modem Functions:

Configurable modulation format:

AIS 25kHz channel (GMSK,9600bps,2.4kHz deviation,BT = 0.4)

DSC (de-emphasised FSK,1200bps)

Simultaneous reception of two AIS channels,or one AIS and one DSC channel

AIS Burst mode with full AIS frame formatting (HDLCC-type)

Frame sync recognition

Bit de-stuffing

NRZI decoding

Training sequence and start/stop flag detection

CRC checking

AIS Raw mode (for greater flexibility)

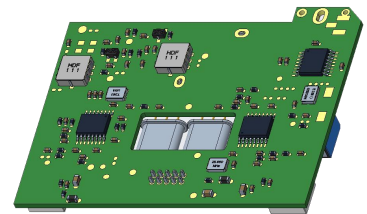
Supports arbitrary data streams for user-defined protocols

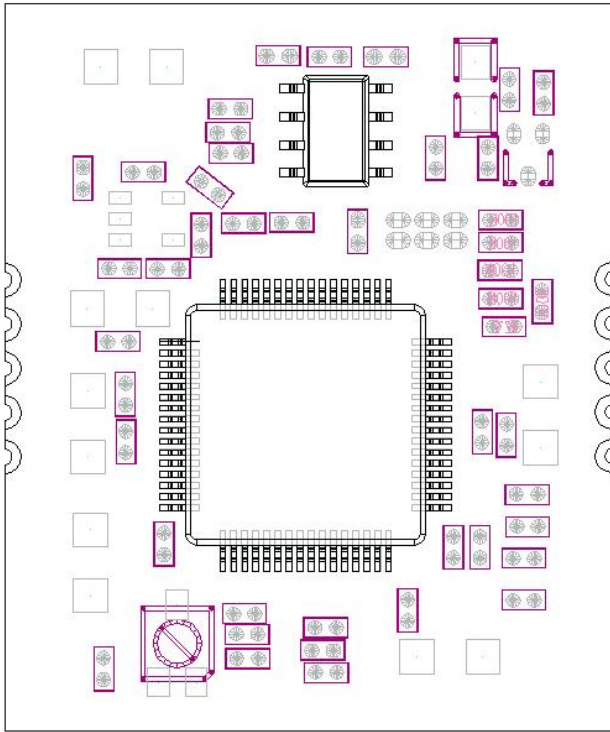
DSC reception supported in raw mode

Four 160 byte Rx data buffers can automatically store up to four 5-slot AIS bursts (2 per Rx channel)

Rx signal input gain and polarity controls

Time-of-arrival reporting assists with timekeeping in the absence of GPS





AISD03 decoder module size 27.5\*32.9\*1mm

### Block Diagram

