

## Roger ITAS

**Type** Iridium Transceiver

### Key Features

- **AT Commands**

- AT&K0 No flow control
- AT\*R1 Enable radio activity
- AT+SBDMTA=1 Enable ring indication
- AT\_CIER=1,0,1,0
  - Enable indicator event reporting
  - No signal quality reporting
  - Enable service availability
  - No antenna
  - Fault reporting
- AT&W0 Store active configuration
- AT&Y0 Designate default reset profile (configuration)



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## 1. Specifications

<b>RF Interface</b>	
<b>Frequency range</b>	1616 to 1626.5MHz
<b>Duplexing method</b>	TDD
<b>Input/output impedance</b>	50 Ohms
<b>Multiplexing method</b>	TDMA/FDMA
<b>Power</b>	
<b>Supply input voltage</b>	9.0V – 36VDC
<b>Supply input voltage ripple</b>	<40mV pp
<b>Idle current (peak)</b>	156mA
<b>Idle current (average)</b>	34mA
<b>Transmit current (peak)</b>	1.3A
<b>Transmit current (average)</b>	145mA
<b>Receive current (peak)</b>	156mA
<b>Receive current (average)</b>	39mA
<b>SBD message transfer (average current)</b>	158mA
<b>SBD message transfer (average power)</b>	<=0.8W
<b>Mechanical</b>	
<b>Length</b>	96.8mm
<b>Width</b>	71.8mm
<b>Depth</b>	20mm (31mm in total to thread)
<b>Environmental</b>	
<b>Operating temperature range</b>	-40°C to +85°C
<b>Storage temperature range</b>	-40°C to +85°C
<b>Operating humidity range</b>	75% RH
<b>Storage humidity range</b>	93% RH

**Standard Pin Out of: Binder 620 5 Way Female Connector**

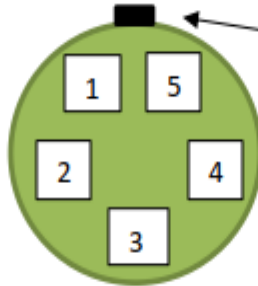
**Pin 1 = Ground**

**Pin 2 = RS232 'TX' (out)**

**Pin 3 = RS232 'RX' (In)**

**Pin 4 = Enable**

**Pin 5 = Power**



View from rear of connector.

Note the Polarity on FEMALE connector shown by white mark/tab.

