



SATELLINE-3AS-M3T1/R1 vs SLR1/2

Radio Module

Differences

Document: Changes to SLR_v1.0.docx
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1 Differences between SATELLINE- M3-T1/R1 and SLR1/2

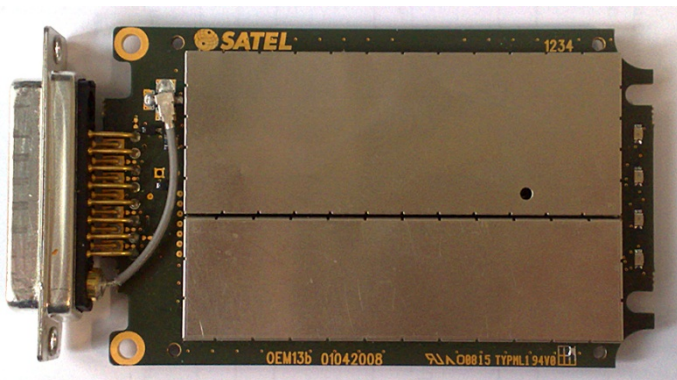
Subject	M3 T1/R1	SLR1/2	Note!
1. Voltage range	6-30V	6V	
2. Connector	D-15	D-15 with RF-combo	
3. Data Interface	RS-232 or LVTTL/3V, with RS-232 timing	LVTTL/ 3V, with RS-232 timing	
4. Form factor	Picture 2	Picture 1	
5. Antenna	T1/R1 antenna is connected with separate cable. Picture 3	Antenna cable included in the Combo connector	
6. Housing	Fits to Satel housing	Fits to customer's housing	

1. Voltage range

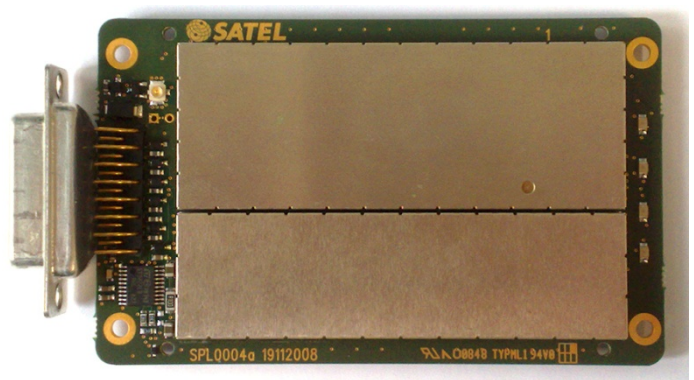
M3 T1 is equipped with up-down oscillator.

Same components has been assembled to SLR1, but they are not in use. There is one component that disables the function. SLR1 get its own supply power from the OEM-user's regulated power supply.

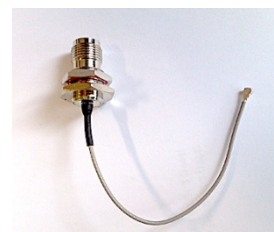
1.1 Pictures



Picture 1. SATELLINE-3AS-SLR1/2

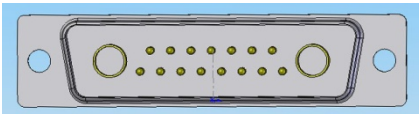


Picture 2. SATELLINE-3AS-M3-T1/R1



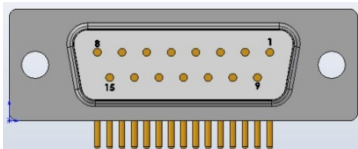
Picture 3. Antenna cable

2 Pin orders



SATELLINE-SLR1/2

Pin No	Name	I/O	Level	Explanation
1	NC		-	Not Connected
2	TD	IN	TTL	Transmit Data (DTE)
3	RD	OUT	TTL	Receive Data (DTE)
4	GPO/DCD	OUT	TTL	General purpose output / Carrier Detect output
5	RTS	IN	TTL	Request to Send by DTE
6	CTS	OUT	TTL	Clear to Send by modem
7	CPI/CFG	IN	TTL	General Purpose Input / Config mode
8	PWR	IN	6.0V	6V, +-5% DC Voltage Supply
9	GPIO	I/O	TTL	General Purpose IO
10	GND		GND	Signal and Chassis Ground.
11	NC		-	Not Connected
12	NC		-	Not Connected
13	GND		GND	Signal and Chassis Ground
14	ID	I/O	TTL	1-Wire ID line
15	GPIO	I/O	TTL	General Purpose IO
A1	NC		-	Not Connected
A2	RF1		Antenna Port	UHF Antenna 403-470MHz



SATELLINE-M3-T1/R1

15-PIN FEMALE D CONNECTOR PINOUT				
<ul style="list-style-type: none"> DTE is an abbreviation for Data Terminal Equipment I/O column below denotes the direction of the signal: "IN" is from DTE to the radio modem, "OUT" is from the radio modem to the DTE. 				
PIN No	NAME	I/O	LEVEL	EXPLANATION
1	DTR	IN	TTL/LVTTL	Data Terminal Ready to Power Down the radio module. Open = Normal Data Transfer Mode. Ground= Power Down; low current consumption mode.
2	CTS	OUT	TTL/LVTTL	Port 2 Clear to send
3	RD	OUT	TTL/LVTTL	Port2 Receive Data to DTE from the radio modem
4	TD	IN	TTL/LVTTL	Port2 Transmit Data from DTE to the radio modem.
5	RTS	IN	TTL/LVTTL	Port2 Request To Send from DTE.
6	CTS	OUT	RS-232	Clear To Send.
7, 8	GND	-		Operating Ground and Signal Ground
9	RD	OUT	RS-232	Port1 Receive Data to DTE from the radio modem
10	N.C.			Not Connected
11	TD	IN	RS-232	Port1 Transmit Data from DTE to the radio modem.
12	MODE	IN	0..30V	<2VDC or connected to ground = Programming Mode >3VDC or Not connected = Data Transfer Mode Note*)
13	RTS	IN	RS-232	Request To Send from DTE.
14, 15	V _b	-		Operating Voltage. +6...30 VDC