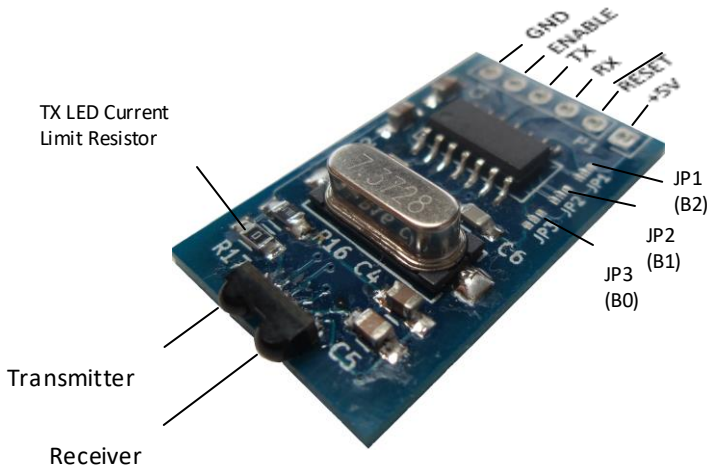




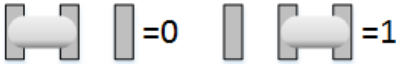
## Serial IrDa Communications Board



Parameter	Unit	Value
<b>Mass</b>		
Complete Assembly	g	2.73
<b>Dimensions</b>		
Length	mm	30
Width	mm	18
Height	mm	5.6
<b>Power Reqmnts (@5v)</b>		
Input Voltage	v	5
RAM Retention Voltage	v	2.5
Disabled	uA	4
Enabled (Rx w/ No Signal)	mA	77
Enabled (Active Tx)	mA	307
<b>Comm. Limits (@7.3728MHz)</b>		
Usable Beam Spread @ 1m	deg	48
Link Distance	m	1
IrDA Data Rate (S/W options)	kbps	115.2
UART Data Rate (Jumpers)	kbps	9.6-115.2
Standard UART (16550)		Yes
IrDA Compliant	ver	1.3
<b>Temperature Range</b>		
Complete Assembly	degC	-25 to 85

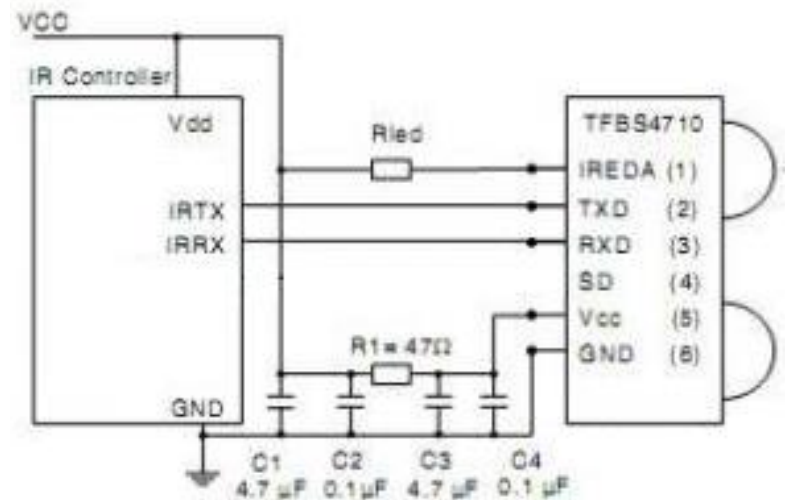
### MCP2120 Baud Rate Jumper Settings

Jumpers adhere to the following rules



80-B2 000 Baud <b>9600</b>	JP1 (Default) JP2 JP3
80-B2 100 Baud <b>19200</b>	JP1 JP2 JP3
80-B2 010 Baud <b>38400</b>	JP1 JP2 JP3
80-B2 110 Baud <b>57600</b>	JP1 JP2 JP3
80-B2 001 Baud <b>115200</b>	JP1 JP2 JP3

NOTE: These baud rates coincide with the use of an external 7.2728Mhz crystal (clock source).



### Connections for

**FTDI** to **Serial IrDa**

GND -----> GND

VCC -----> +5v

TXD -----> TX

RXD <----- RX

Note: Jumper from ENABLE to +5v