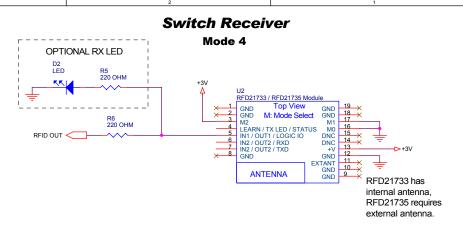


Every 2 seconds RFID transmission will occur. This is a dual-function mode, IN1, IN2, or IN3 if driven high will function exactly like they would in switch transmitter mode. IN1, IN2 and IN3 must all be kept low for RFID transmissions to occur automatically.

In this mode P0.4, P0.5, P0.6 are always inputs, however the resistors to ground are used for safety, just in case there was a mode misconfiguration during testing time that causes any of those pins to be configured as an output instead. The resistors are recommended. If you choose to remove them, you can connect all three inputs directly to ground.

+3V supply can be between +1.9V and +3.6V



Every 2 seconds when the Switch Receiver receives a transmission from the RFID transmitter, the Switch Receiver's P0.4 will be driven high for 500 milliseconds.

P0.4 is an active high output and can be used to drive any logic input, the series resistor on P0.4 is optional, but recommended to protect the radio from excessive loading.

The RX LED is for testing, to visually show when an RFID transmission has been received.

+3V supply can be between +1.9V and +3.6V

Patents Pending

RFDP8	8-Mode Chart for RFD21733 / RFD21735	Mode Select Inputs								
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Mode	Description									
0	Active RFID Transmitter	0	0	0	IN 3	IN 2	IN 1	TX LED		
1	3 Input Switch Logic Transmitter	0	0	1	IN 3	IN 2	IN 1	TX LED		
2	Serial UART Transceiver, 9600, N, 8, 1	0	1	0	TXD IN	RXD OUT	LOGIC I/O	X		ļ
3	Serial UART Transceiver, 9600, N, 8, 1	0	1	1	TXD IN	RXD OUT	LOGIC I/O	ESN LEARN	Network	
4	3 Output Switch Logic Receiver - 500ms	1	0	0	OUT 3	OUT 2	OUT 1	X		f
5	3 Output Switch Logic Receiver - 500ms	1	0	1	OUT 3	OUT 2	OUT 1	ESN LEARN	Network	
6	3 Output Switch Logic Receiver - 20ms	1	1	0	OUT 3	OUT 2	OUT 1	X		
7	3 Output Switch Logic Receiver - 20ms	1	1	1	OUT 3	OUT 2	OUT 1	ESN LEARN	Network	
	RFD21733 / RFD21735 Pin Number:	3	17	16	7	6	5	4		
Please contact RF Digital anytime for application support questions at support@rfdigital.com										

RFID TO SWITCH RX 500MS

Description:

Active RFID transmitter, transmits it's ESN every 2 seconds. Every 2 seconds when the Switch Receiver, receives a transmission from the RFID transmitter, it drives its output P0.4 high for a duration of 500 milliseconds.

RFD76002 Application For Part Number: RFD21733 / RFD21735

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