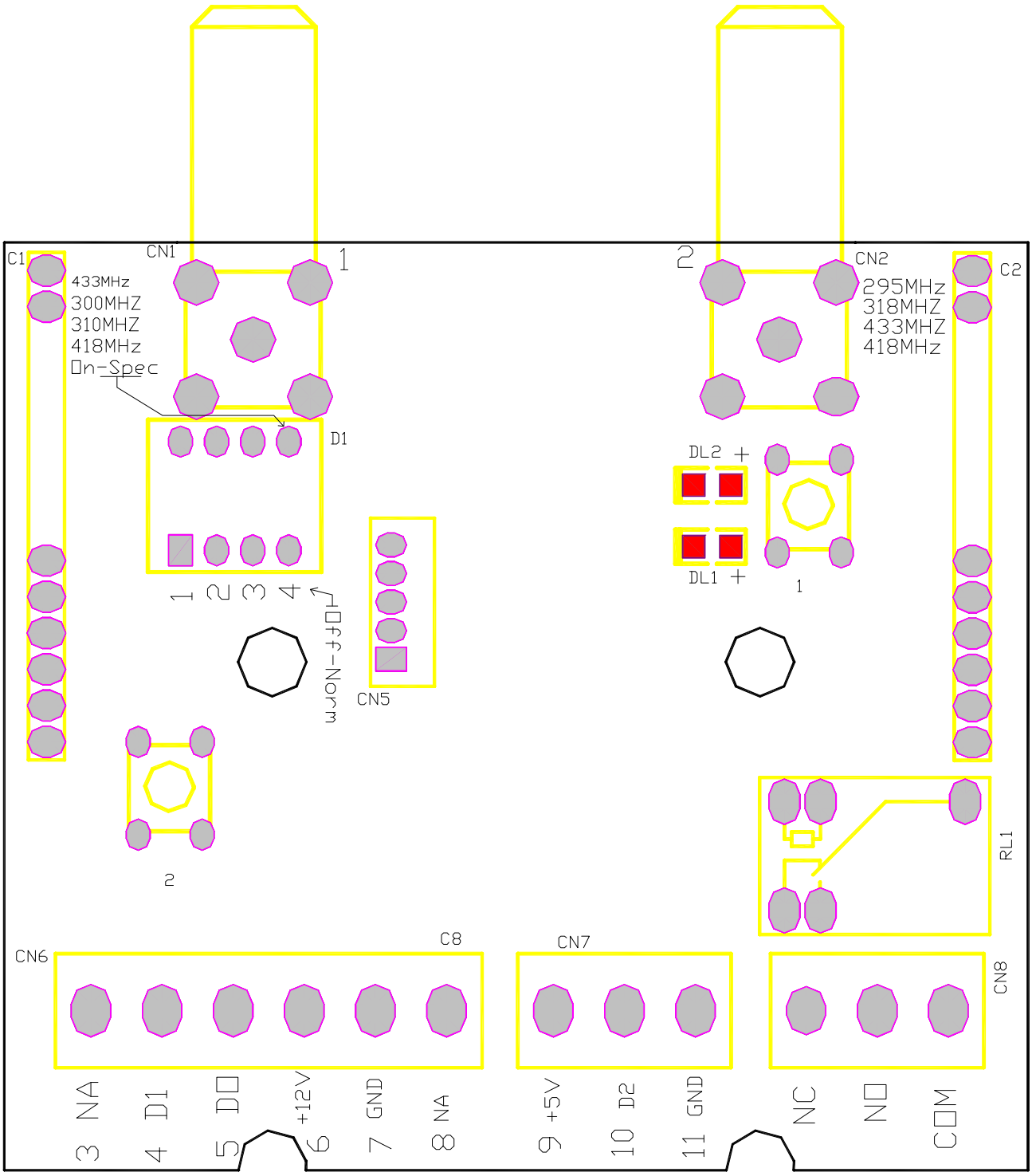

The RCS-UR Receiver is a configurable Receiver Processor that can work with 6 different frequencies: 295MHz, 318MHz, 418MHz, 433MHz, 310MHz, and 300MHz.

These frequencies are selected by simply plugging in the desired radio frequency cards (RC) to the Receiver Processor Board. The output of the Processor can be through a 3 wire 485 BUS RF output, NO/NC relay output and/or the 4 wire Wiegand output terminal. The Wiegand output can be selected to 26 or 30 bit through the dip

switch setting on the Processor Board.

When shipped from RCS the radio Frequency Card Ports have jumper strips in them.
These only should be replaced by Radio Cards.

Please follow wiring and dip switch settings for desired configuration.
The UR Receiver can be powered through the Wegand port or RF port.

PIN-OUT		**LEGEND**
PIN Nº	***DESCRIPTION***	DL1 Power supply green led
3	Not used	DL2 Programming red led
4	Wiegand DATA1 output	P1 FC Learning button, For Wiegand
5	Wiegand DATA0 output	P2 S/N Learning button, For Relay
6	Power supply 12-24 Vac/dc	C1 Receiver card connector
7	GND input	(433/418 /310/300MHz)
8	Not used	C2 Receiver card connector
9	Input Power supply RF Bus	(295/318/418/433MHz)
10	Output Data RF Bus	D1 Configuration dip-switch
11	GND RF Bus E	1-13 Connection terminal boards
NC	relay output, Normally Closed	CN1 Input Aerial 433/418/310/300
NO	relay output, Normally Open	MHz
COM	relay output, Common	CN2 Input Aerial 295/318 MHz

Note: Be sure and use proper antenna based on the RC being used.

Dip-switches settings

	ON	OFF
DIP1	Bits"26","27","28","29"	Bits"26","27","28","29"
	Set at"1"	Set at"0"
DIP2	30 bit output	26 bit output
DIP3	Internal 4,7 Kohm pull-up	Internal pull-up resistor connected
	resistor connected	
DIP4	Linear Transmitter	RCS-318MHz transmitters

NOTE: Only change the RC when the processor board is powered off.

FC Memory settings

TX mem. Push button 1 on receiver board until the DL2 led comes on; release it and within 2 seconds press desired transmitter key to store the button and FC in receiver memory. DL2 led will flash once to confirm the code has been saved.

TX function Universal Receiver can save up to 10 FC and key code. When pressing the transmitter button that has been learned into the receiver the Universal Receiver will send the data to the Wiegand and 485 terminals.

TX delete Push learning button 1 until the DL2 led comes on then release it. Within 2 sec push and hold it again until DL2 blinks 3 times.

WARNING: Doing this will delete all FC and button learned into the receiver on P1!

NOTE: When the 310MHz/300MHz receiver cards are plugged in the FC check will automatically be turned off for those RC. The other receiver card will still be able to have the FC check function.

FC check management

Enable/Disable FC check Push learning button 1 until DL2 led comes on and then release it. Within 1 sec press the button again and release it.

At this point the DL2 led flashes quickly for 7 times and the receiver can then accept any facility code.

SN Memory settings

TX memo Push learning button 2 on reliever board until the DL2 led comes on; release it and within 5 seconds press desired transmitter key to store in receiver memory. DL2 led will flash once to confirm the code has been saved.

NOTE: In order for your remote to work on the relay output the remote must first be learned into both P1 and P2.

TX function Universal receiver can save up to 100 SN if plug in memory chip M24C16 or up to 500 SN if plug in memory chip M24L512. After press transmitter, the universal receiver will firstly check if FC matches and then check if S/N matches. If both pass, Universal receiver will output Wiegand and 485 terminals as well as the relay outputs.

TX delete Push learning button 2 until the DL2 led comes on then release. Push it again and hold it down until DL2 blinks 3 times.

WARNING: Doing this will delete all S/N learned into the receiver on P2!

Better Technology, Better Transmitters

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