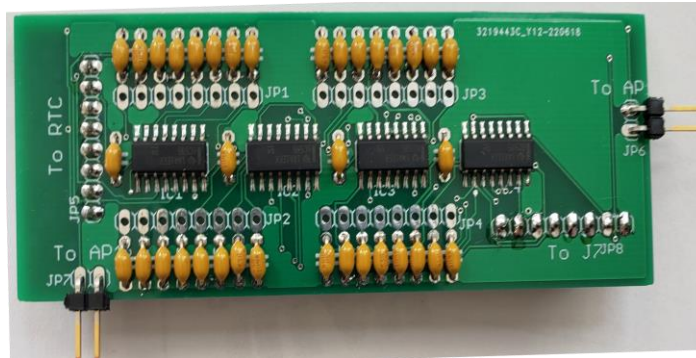




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(actual size 3.5" x 1.35")

Arcom UFE Logic Output Extender for the RC210

July, 2022

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Introduction

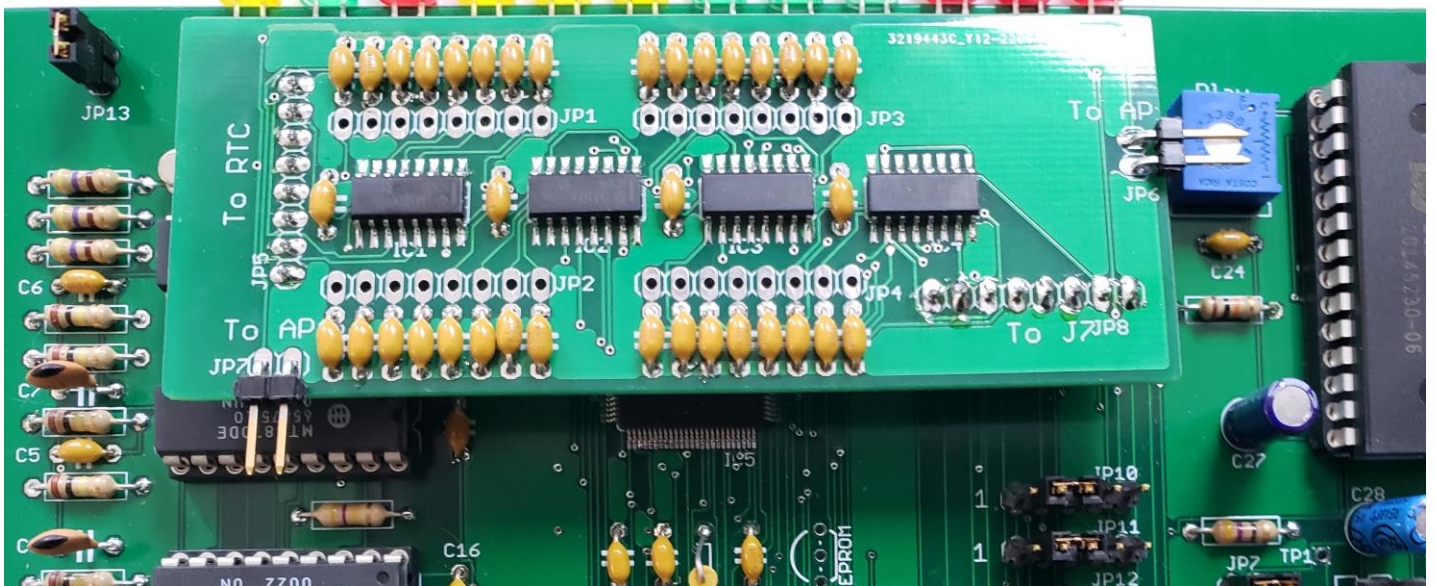
The Arcom UFE allows for the recovery of 32 additional Logic Outputs from the RC210. Each output is RF decoupled and uses a JFET output. This means the outputs pull very low to ground and can withstand up to 30 VDC @ 250ma.

In addition, the EX1 is designed to work regardless if you have an RTC installed or not and also provides for AP1 data feedthrough so you can still use your AP1.

Installation

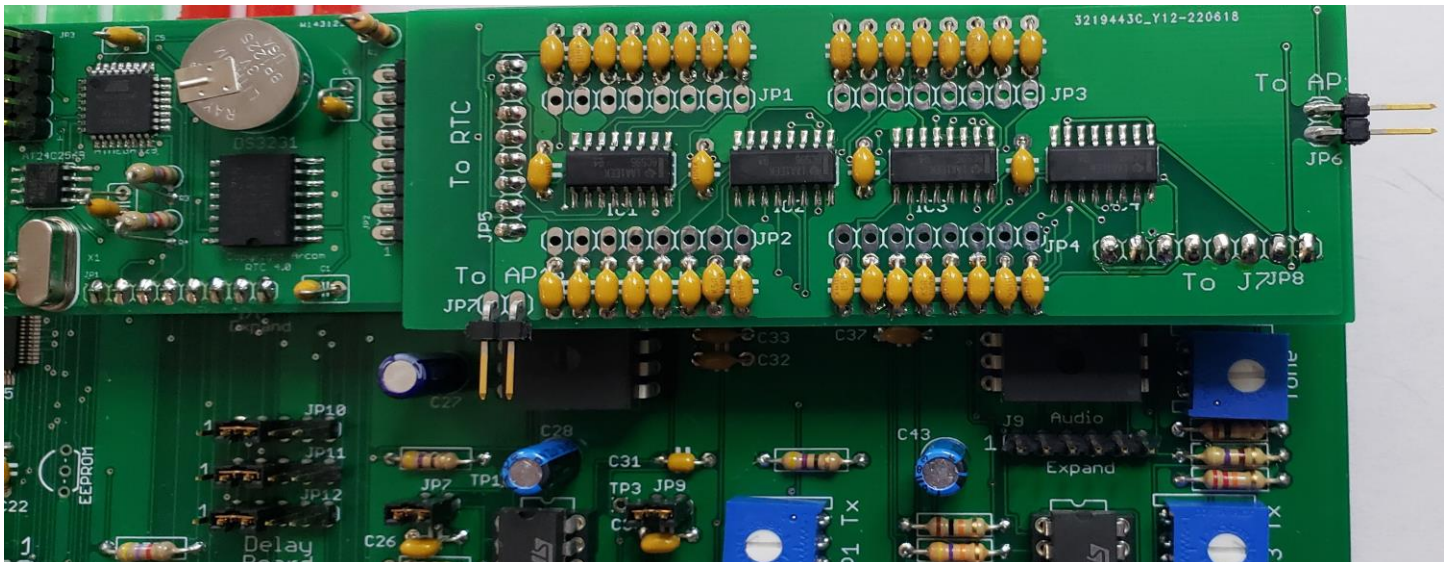
No RTC installed

JP8 on the UFE should be connected to J7 on the RC210 pc board with the UFE extending towards JP13 (the Display Power Switch connector). If you have the optional AP1 Autopatch, its 2 pin connector plugs into JP6, the non-red wire connects to the pin closest to the front edge of the RC210 pc board (ignore JP7)



No RTC installed

JP5 on the UFE should be connected to JP2 on the RTC, with the UFE extending towards the MT8806 Audio Crosspoint Switch IC. If you have the optional AP1 Autopatch, its 2 pin connector plugs into JP6, the non-red wire connects to the pin closest to the front edge of the RC210 pc board (ignore JP7)



Outputs

Open Drain outputs are available on JP1 through JP4. They are as follows

Extended Output 1 – JP1-1
 Extended Output 2 – JP1-2
 Extended Output 3 – JP1-3
 Extended Output 4 – JP1-4
 Extended Output 5 – JP1-5
 Extended Output 6 – JP1-6
 Extended Output 7 – JP1-7
 Extended Output 8 – JP1-8

Extended Output 9 – JP2-1
 Extended Output 10 – JP2-2
 Extended Output 11 – JP2-3
 Extended Output 12 – JP2-4
 Extended Output 13 – JP2-5
 Extended Output 14 – JP2-6
 Extended Output 15 – JP2-7
 Extended Output 16 – JP2-8

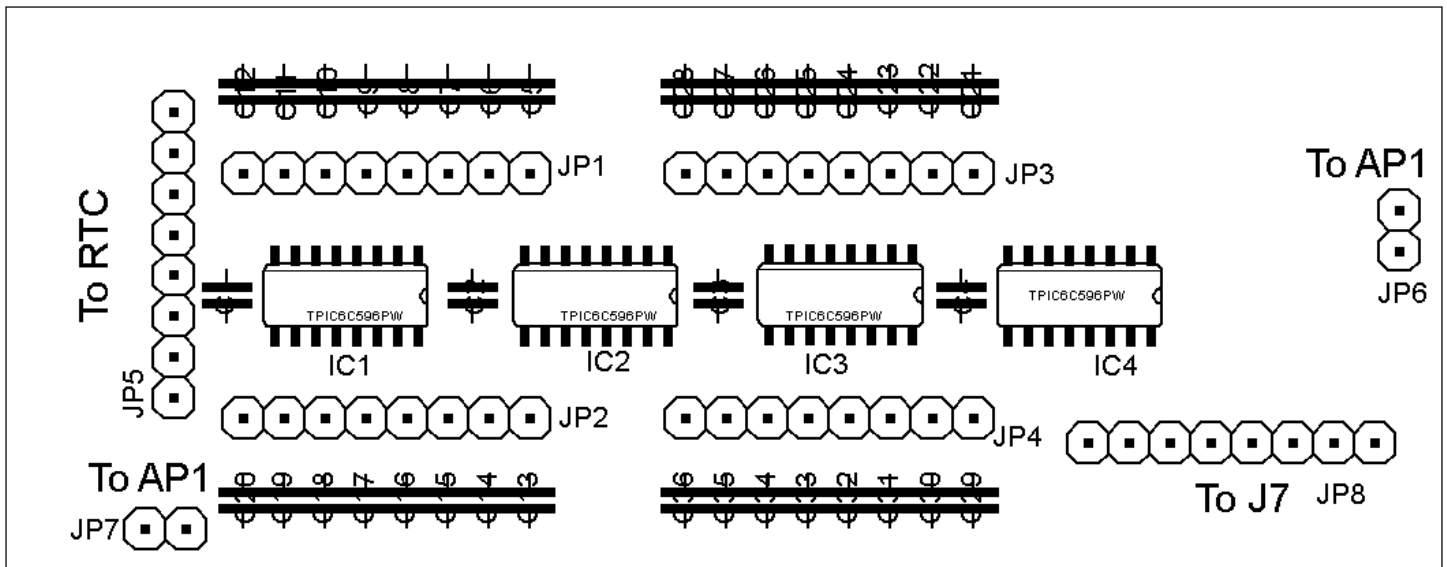
Extended Output 17 – JP3-1
 Extended Output 18 – JP3-2
 Extended Output 19 – JP3-3
 Extended Output 20 – JP3-4
 Extended Output 21 – JP3-5
 Extended Output 22 – JP3-6
 Extended Output 23 – JP3-7
 Extended Output 24 – JP3-8

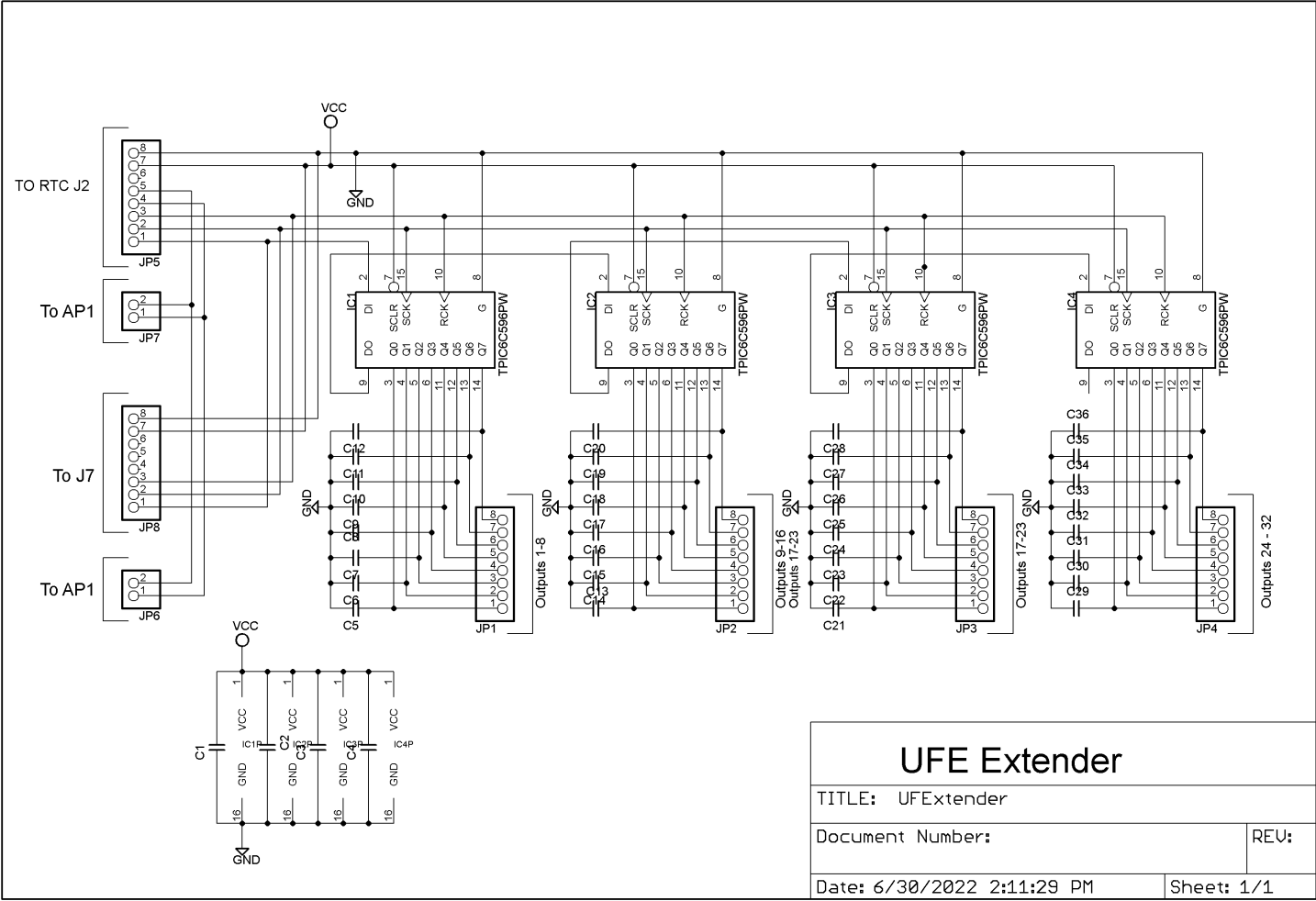
Extended Output 25 – JP4-1
 Extended Output 26 – JP4-2
 Extended Output 27 – JP4-3
 Extended Output 28 – JP4-4
 Extended Output 29 – JP4-5
 Extended Output 30 – JP4-6
 Extended Output 31 – JP4-7
 Extended Output 32 – JP4-8

Warning: Do not connect anything that can source more than 30 VDC or draws more than 250 ma.

Operation

Simply program up Command Macros to turn the Extended Logic Outputs ON & OFF as needed.





UFExtender

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