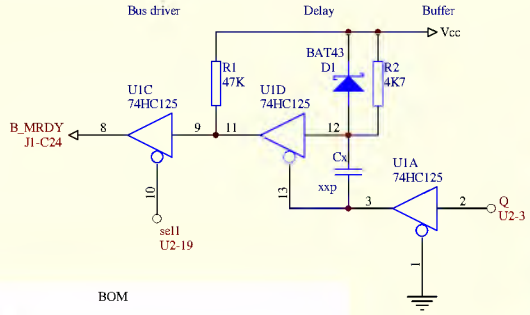
Timing:

5MHz bus FDC(2.5MHz) E=300nsec /E=100nsec

4MHz bus FDC(2MHz) E=375nsec /E=125nsec

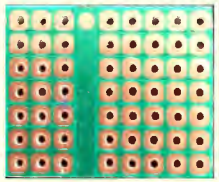



BOM

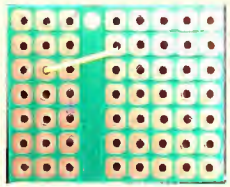
| # | Device | Value | Package type | Refdes | |
|---|---|---|---|---|---|
| | RES 250W | 47K 10% | RES12 | R1 | |
| | RES 125W | 4K7 5% | RES12 | R2 | |
| | CER CAP | 39p 5% | 1206 SMD | Cx | 5MHz bus |
| | CER CAP | 56p 5% | 1206 SMD | Cx | 4MHz bus |
| | DIODE.SCHOTT | BAT43 | DIO_DO35 | D1 | |
| | 74HC125 | 74HC125 | DIP14 | U1 | |

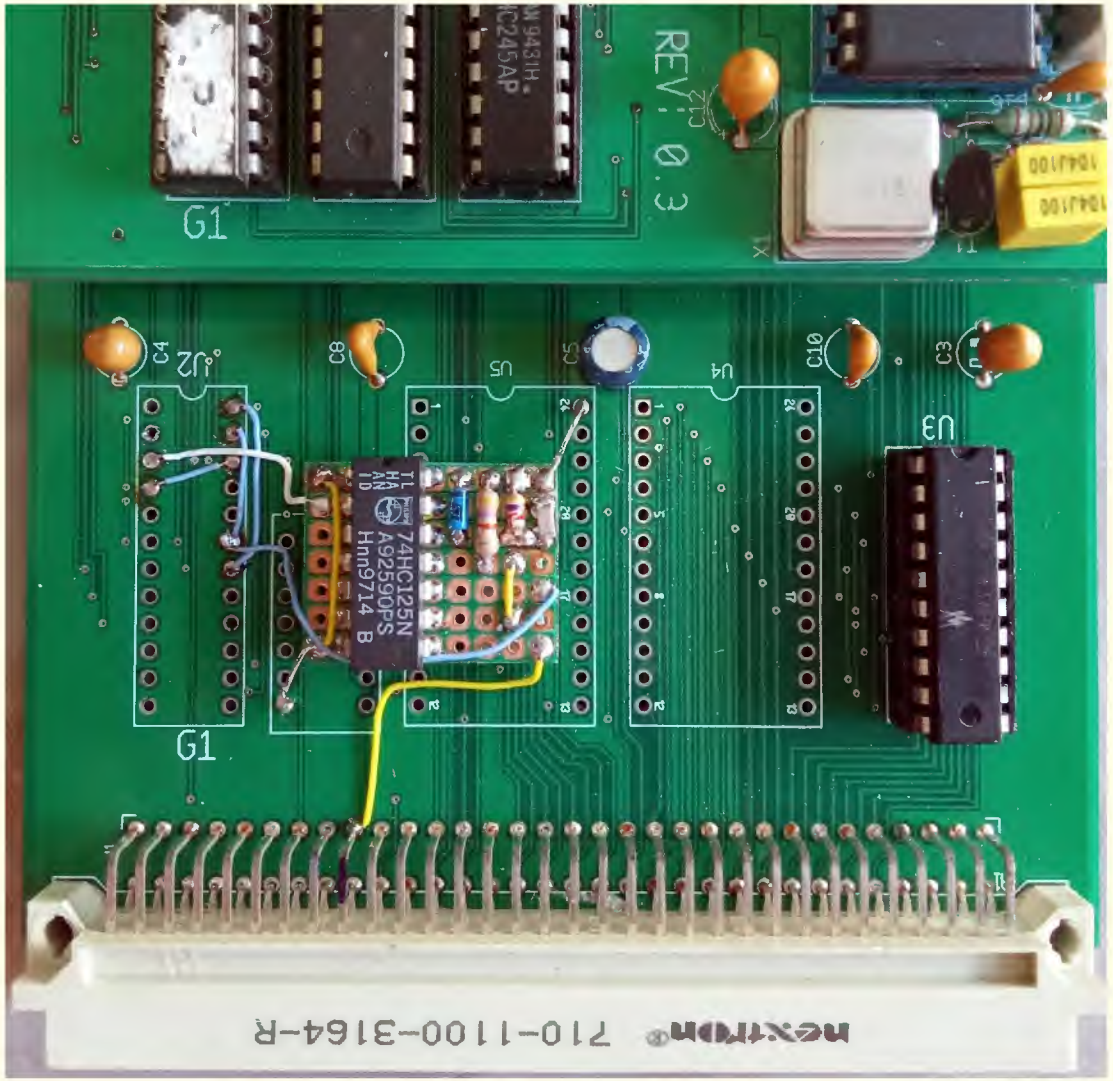
Solder all parts like SMD.

Print



Jumper



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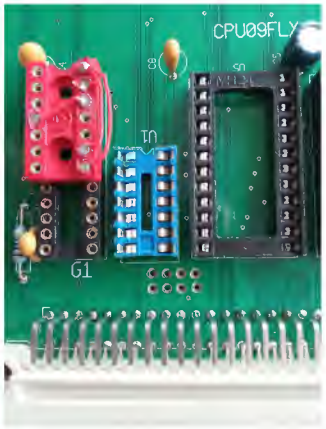
| Date: 15-Dec-2025 | | Sheet of |
| File: C:\ISO\FLP_MRDY\FLP_MRDY.ddb | | Drawn By: |

**Above** show MRDY for 09FLP.
It will stretch E with 1 cycle.

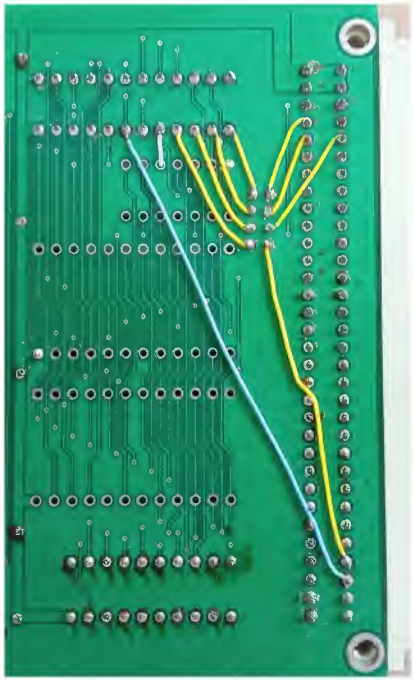
**Below** show MRDY option for all IO except CPU09RAM and CPU09ID6,
these two work fine on a 5MHz bus.
Also the option to use MRDY for the ACIA on the CPU09CMI, see "RUN CPU09CMI at 20Mhz.".
It will stretch E with ½ or 1 cycle depending on Cx.

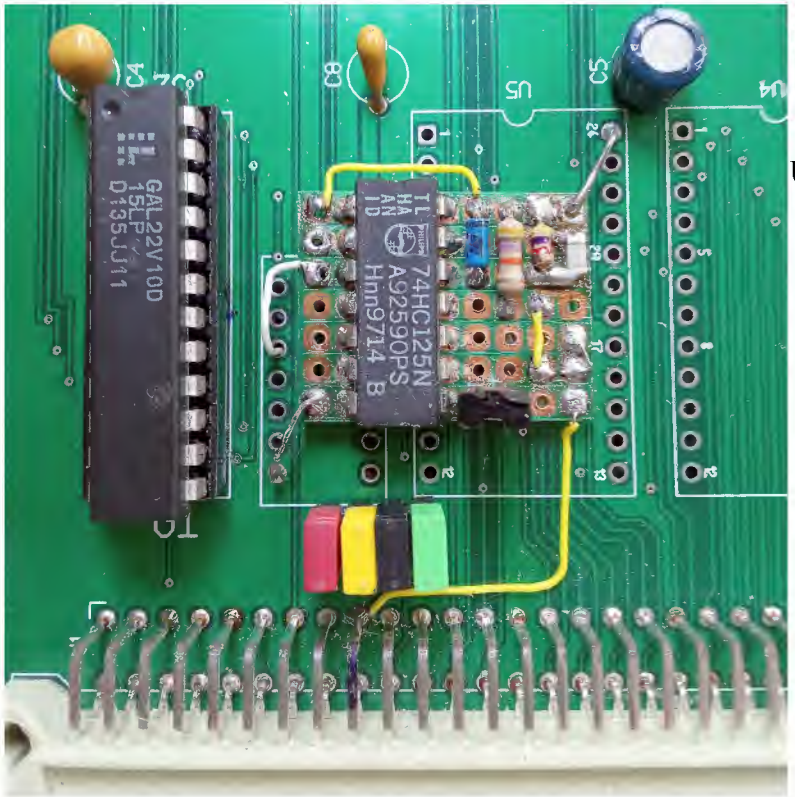
The ACIA, DIV3, DIV4, DIV7 are jumper selectable.




Drill 8 holes for the jumper block >

and wire the FLXMIN_M >






Use the print from before, but the wiring is different.

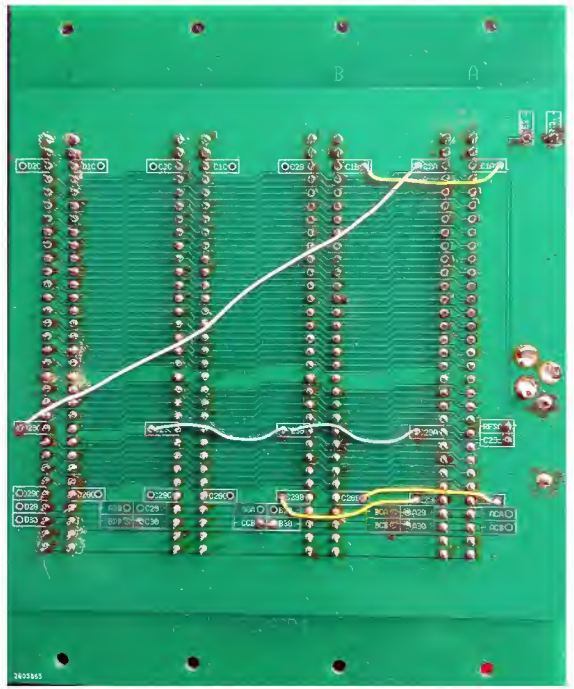
Select Cx for ½ or 1 cycle.

Use a GAL with internal pull-ups,
parts U1, U4, U5 may not be placed !

Jumper MDRY On.

Select for MRDY:
Red = M_ACIA
Yellow = DIV7
Black = DIV3
Green = (DIV4 with DIV4 jumper on CPU09CMI)

Backplane wiring >



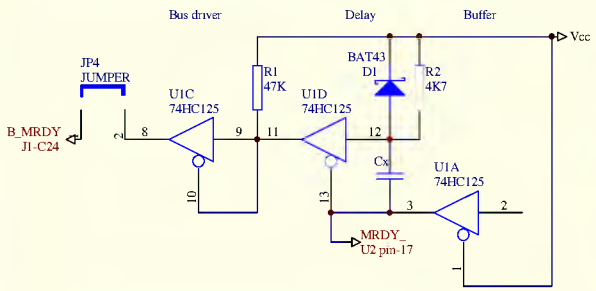
CdeJ

**MRDY for MINFLX and ACIA on CPU09CMI**
**need G1 - FLX_2**

Timing:

5MHz CPU bus Cx 27pF E=200nsec /E=100nsec FDC 3.3MHz

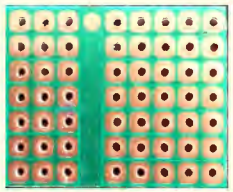
5MHz CPU bus Cx 47pF E=300nsec /E=100nsec FDC 2.5MHz)



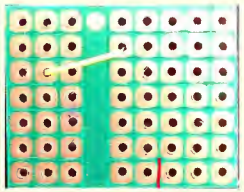

BOM

| # | Device | Value | Package type | Refdes | |
|---|---|---|---|---|---|
| | RES 250W | 47K 10% | RES12 | R1 | |
| | RES 125W | 4K7 5% | RES12 | R2 | |
| | CER CAP | 27p 5% | 1206 SMD | Cx | bus 300nsec |
| | CER CAP | 47p 5% | 1206 SMD | Cx | bus 400nsec |
| | DIODE.SCHOTT | BAT43 | DIO_DO35 | D1 | |
| | 74HC125 | 74HC125 | DIP14 | U1 | |
| | HDR1x2 | HDR1x2 | HDR1x2 | J4 | |
| | Solder all above parts like SMD. | | | | |
| | GAL22V10 | GAL22V10D | SDIP24 | U2 | |
| | HDR2x4 | HDR2x4 | HDR2x4 | J3 | |

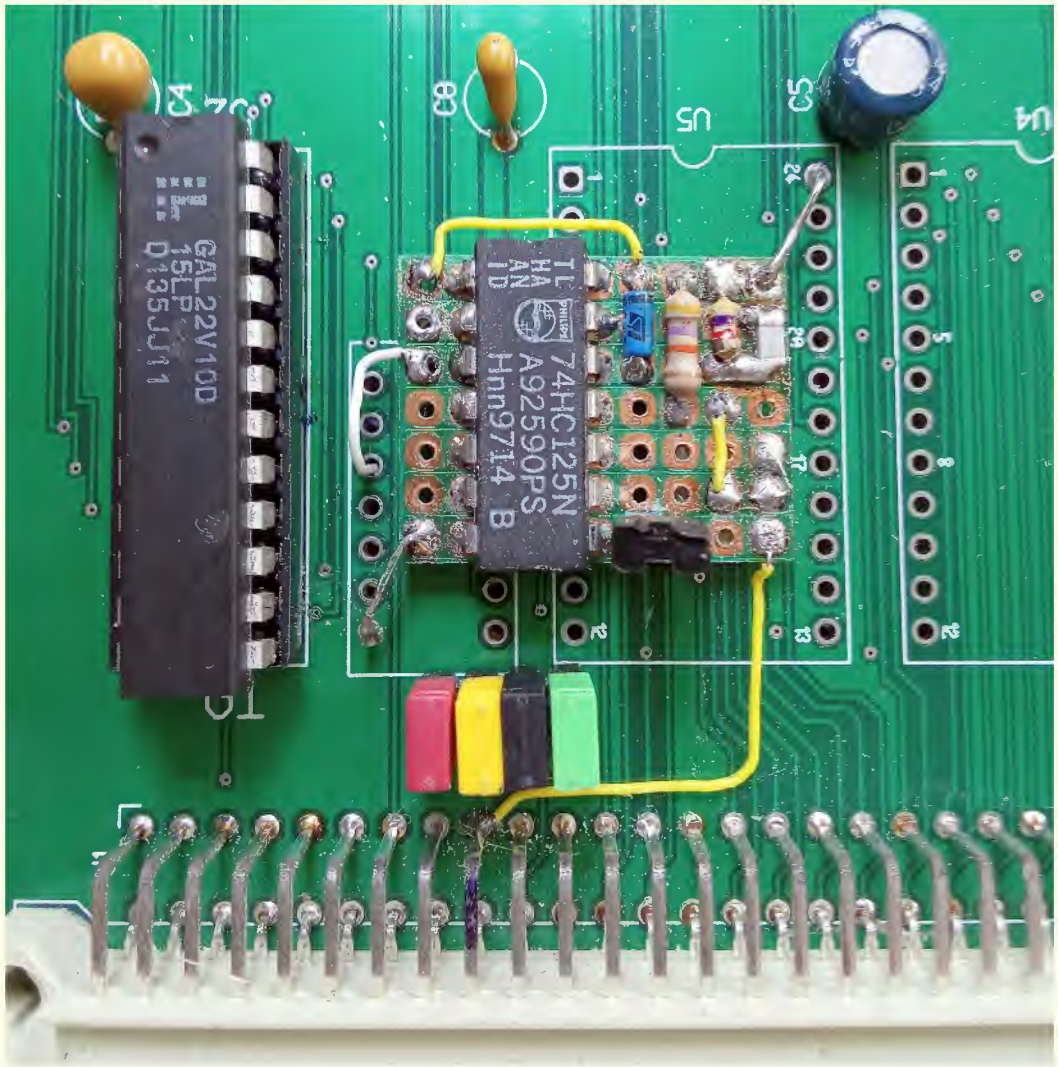
Print



Jumper



Cut

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| Date: 19-Jan-2026 | | Sheet of |
| File: C:\ISO\FLP_MRDY\FLXMIN_M.ddb | | Drawn By: |