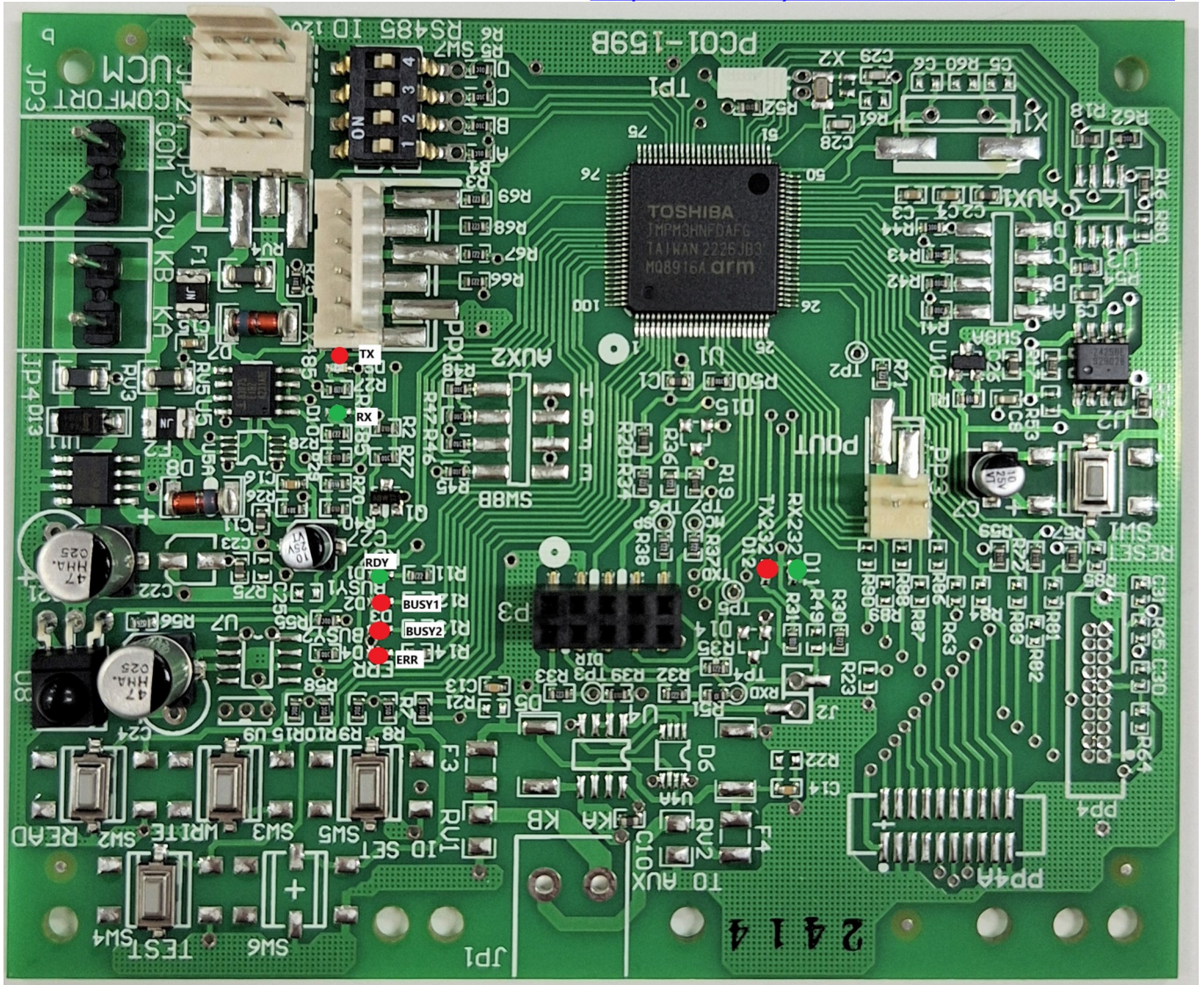


UCM/Arm

Please take note of the following changes to the UCM/Arm firmware 7.225 or higher. Full UCM Manual can be downloaded from http://www.cytech.biz/ucm_manual.html



UCM06 ARM Common base PCB without plug in submodule (USB, ETH03, Wifi)
Note the position of the LEDs in the photo as they are only visible when turned on

ID Display on LEDs

The UCM ID is displayed on the LEDs by momentarily pressing the SET ID button. The ID LED display is according to the table below.

ID	ERR (D4)	BUSY2 (D3)	BUSY1 (D2)	RDY (D1)
1	Off	Off	Off	On
2	Off	Off	On	Off
3	Off	Off	On	On
4	Off	On	Off	Off
5	Off	On	Off	On
6	Off	On	On	Off
7	Off	On	On	On
8	On	Off	Off	Off
None	On	On	On	On

E.g. for ID=1, only RDY is On. For ID=2, only BUSY1 only is on.

D3 ERR LED

The ERR D3 RED led will turn on if the UCM detects the Wifi submodule at reset. If the USB or ETH03 submodule is inserted, the ERR LED should be OFF. For UCM/USB, the USB cable should be plugged in to the PC when power is connected, otherwise the

ERR LED will be on. Press the RESET button on the UCM, or for older firmware than 7.176, power off the UCM, and power on again when the USB cable is connected

ID Setting

If the RS485 ID (SW7) DIP switches A to D has any switch in the On position, this determines the ID of the UCM. The UCM is supplied with ID=1 by default i.e. A On. The table below shows the assignment of ID using the SW7 Shunts.

ID	A	B	C	D
1	On	On	On	On
2	Off	On	On	On
3	On	Off	On	On
4	Off	Off	On	On
5	On	On	Off	On
6	Off	On	Off	On
7	On	Off	Off	On
8	Off	Off	Off	On
SET ID	Off	Off	Off	Off

Another way of setting ID is when all switched A to D are all in the **OFF** position. Press and hold the SET ID button for 2 seconds until the LEDs change state to the next ID, e.g. ID=2 or BUSY1 only is on. Press and release to increment the ID until 8 and then back to 1. If the SET ID button is not pressed for 4 seconds, the new ID is confirmed and all LEDs will momentarily turn on. If any SW7 switch is ON, the COPY button will not work. Check the D9 and D10 LEDs are both blinking

It is important that NO 2 UCMs have the same ID as this will cause both UCMs to lose communications.

D9 (Red) and D10 (Green) LEDs

The D10 Green Led should flash continuously showing that the UCM receives data from Comfort (appears like it is steady on due to the fast blinking rate). If D10 is off, it means the Bus cable is not connected to Comfort. The D9 Red LED will flash when the UCM replies to Comfort. If D9 LED is Off, it means Comfort does not poll the UCM because the Number of UCMs is not programmed to poll this ID. Do a Scan for UCMs in Comfigurator.

If the ID is correctly set, both D9 and D10 should be flashing

U2 EEPROM and Pushbuttons

The U2 EEPROM can be used to save the Comfort program so that it can be written back to Comfort in case of programming mistakes.

Reading from Comfort to U2 - UPLOAD Button

Press and hold the UPLOAD button for 2 seconds until the BUSY1 Red LED starts to blink. This takes about 2 minutes at the end of which the RDY Green LED will turn on. The Comfort program configuration is stored in the U2 EEPROM

Writing U2 to Comfort - DOWNLOAD Button

To transfer the saved program configuration in U2 to Comfort, press and hold the DOWNLOAD button for 2 seconds until the BUSY2 Red LED blinks. This takes 1 minute. RDY Green LED is on. Comfort resets, announces "Security Off". **If the U2 File system does not match Comfort, this will not work. This prevents writing wrong information into Comfort.**

TEST, COMPARE Button - Not Used

Document History

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