

UNLESS OTHERWISE SPECIFIED:  
ALL RESISTORS ARE 0.1 WATT COMPONENTS  
AND RESISTANCE VALUES ARE +/- 5%

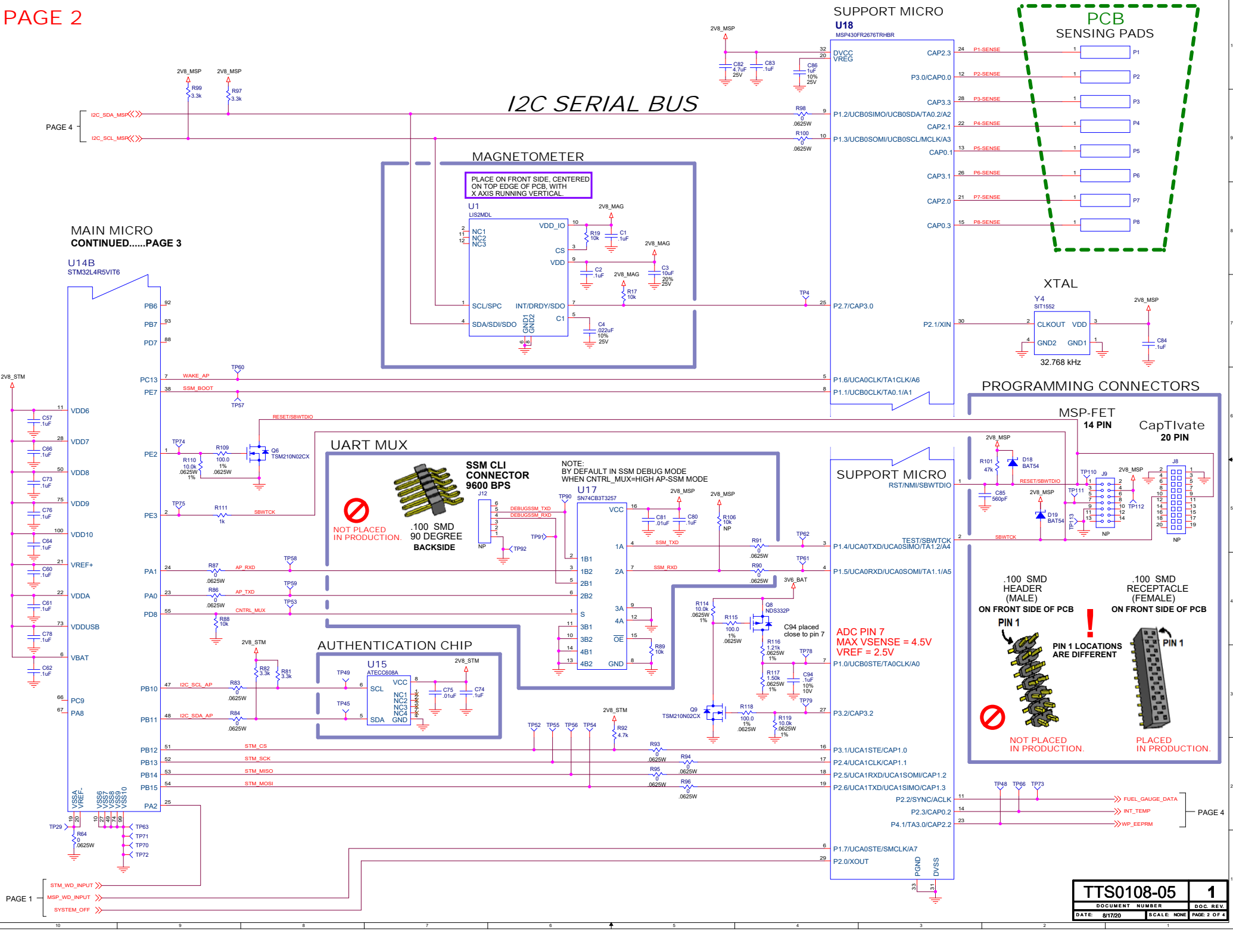
UNLESS OTHERWISE SPECIFIED:  
ALL CAPACITORS ARE RATED AT 50 VOLTS.  
CAPACITOR TOLERANCES ARE AS FOLLOWS:

|                 |          |
|-----------------|----------|
| 5pF - 5.0pF     | +/- 25pF |
| 5.1pF - 9.1pF   | +/- 5pF  |
| 10pF - 820pF    | +/- 5%   |
| 1000pF - 1000uF | +/- 10%  |

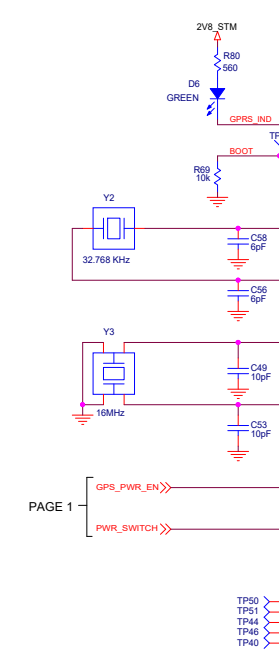
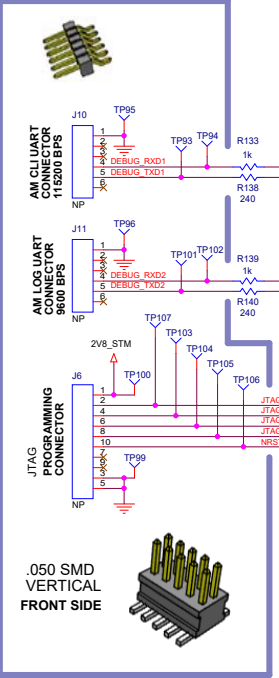


twistthink  
DESIGN TECHNOLOGY STRATEGY  
130 Central Ave. Suite 400  
Holland, Michigan 49423

|                             |             |
|-----------------------------|-------------|
| TITLE: SCHEMATIC DIAGRAM    |             |
| CUSTOMER: CHARTY WATER      |             |
| PROJECT: WATER LEVEL SENSOR |             |
| DOCUMENT NUMBER             | 1           |
| TTS0108-05                  |             |
| DATE: 8/17/20               | SCALE: NONE |
| PAGE: 1 OF 4                |             |

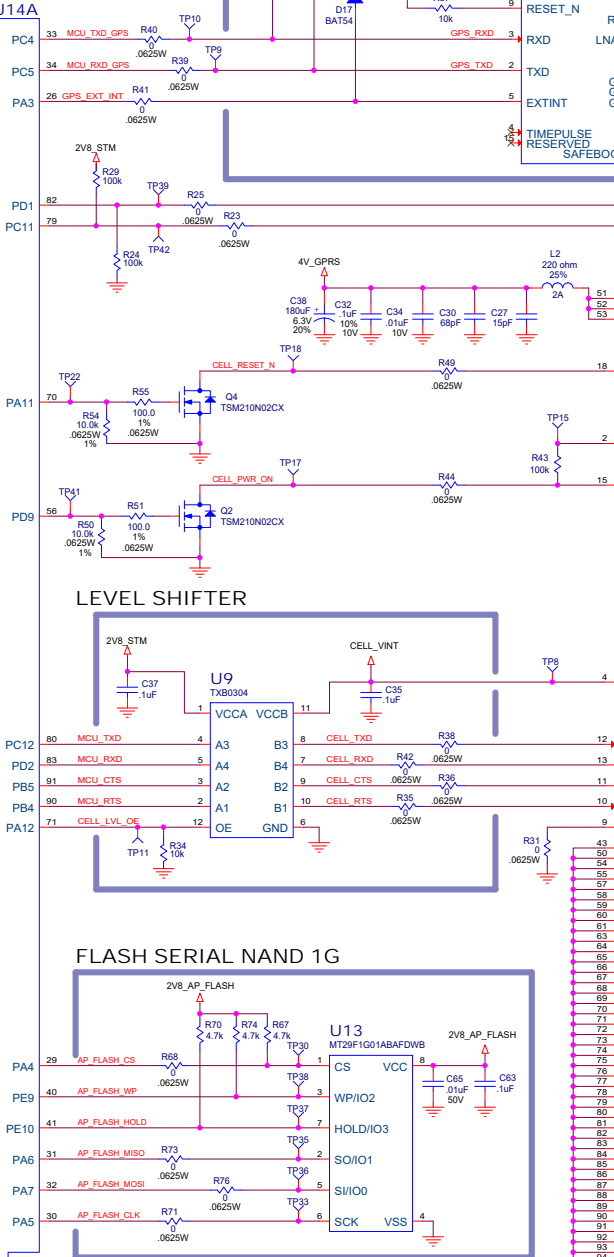


DEBUG & PROGRAMMING

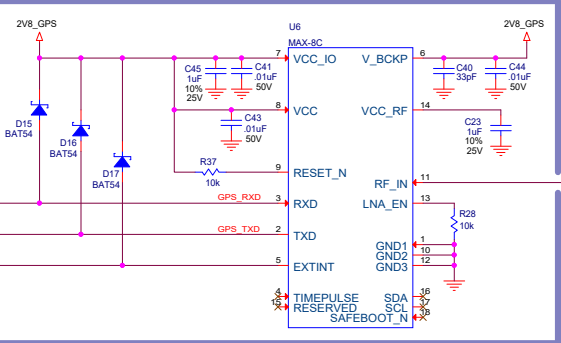


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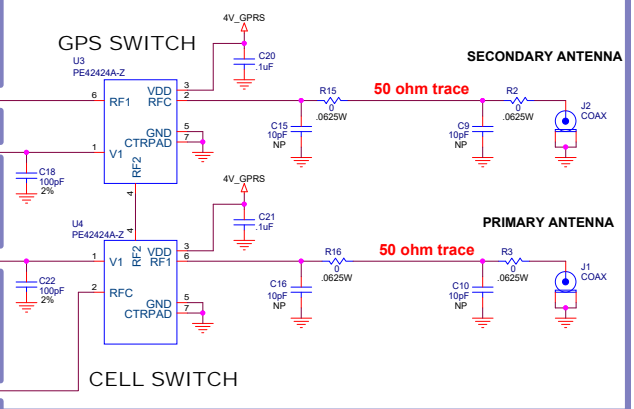
MAIN MICRO



GPS MODULE

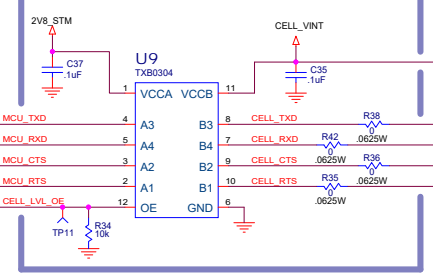


ANTENNAS

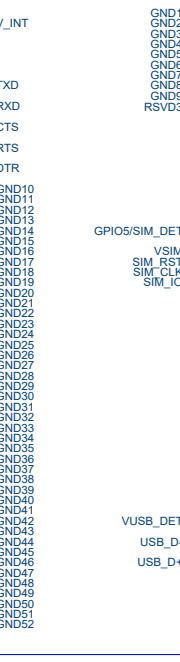


| CELL_RF_SW | GPS_RF_SW | PRIMARY | SECONDARY |
|------------|-----------|---------|-----------|
| L          | L         | NONE    | CELL      |
| L          | H         | NONE    | GPS       |
| H          | L         | CELL    | NONE      |
| H          | H         | CELL    | GPS       |

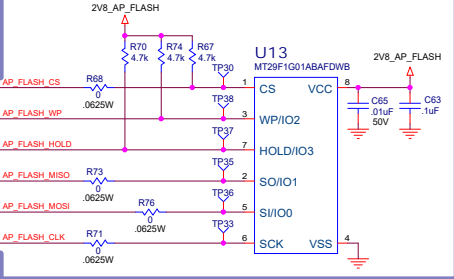
LEVEL SHIFTER



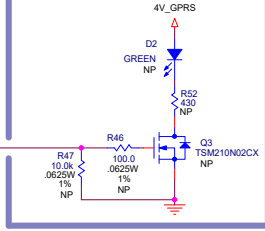
CELL MODULE



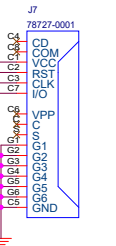
FLASH SERIAL NAND 1G



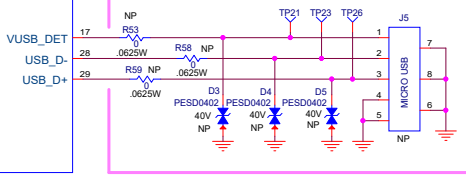
NETWORK STATUS LED



SIMCARD HOLDER

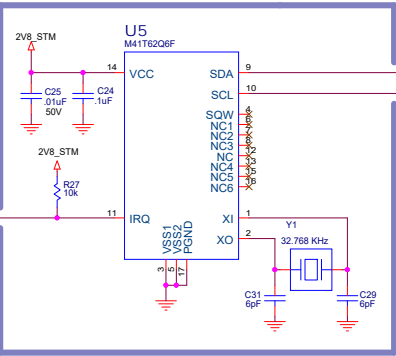


USB CONNECTOR (NOT PLACED)

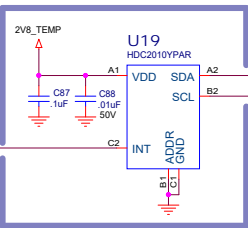


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REAL TIME CLOCK

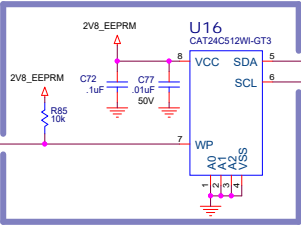


TEMPERATURE AND HUMIDITY SENSOR

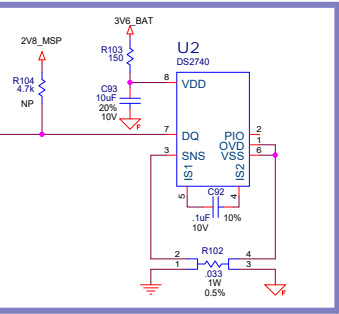


I2C SERIAL BUS

EEPROM SERIAL 512-Kb



BATTERY FUEL GAUGE



IRQ\_RTC <<>>

INT\_TEMP <<>>

WP\_EEPRM >>>

FUEL\_GAUGE\_DATA >>>