```
P_{Masterboard} = \sum \left \lceil n_{component} * P_{component} \right \rceil
                   [P_{W5500}] + 6* 
 [P_{STM32F429}] +

\begin{bmatrix}
P_{DS18b20} \\
3370mW(2)
\end{bmatrix} = 

                   P_{Slaveboard} = \sum \lceil n_{component} * P_{component} \rceil = 5 * \lceil P_{STM32F303} \rceil = 2475 mW
               \max(C_{Convert}) = \max(C_{Sample}) + C_{Signel-convert} = 601.5 cyc + 12.5 cyc = 614 cyc
                   min(C_{Convert}) = min(C_{Sample}) + C_{Signel-convert} = 1.5cyc + 12.5cyc = 14cyc
                   min(T_{Convert}) = \frac{min(C_{Sample}) + C_{Signel-convert}}{f_{convert}} = \frac{14}{14MH_{convert}} = 1\mu s
```

TexS-tu-dio θ TexS-tu-dio θ TexS-tu-dio θ TexS-tu-dio θ TexS-tu

```
\begin{array}{c} i_1\\ i_2\\ \vdots\\ \vdots\\ i_2\\ \vdots\\ \vdots\\ i_2\\ \vdots\\ i_2\\
```

Brief Article

The Author

 $March\ 23,\ 2021$