

[IC information]

| | |
|------------------|--------------------|
| Manufacture | STMicroelectronics |
| Series/Product | STM32WL |
| Type/Device Code | EI32WL55 |

[Specification of Resonator]

| | |
|-------------------|------------|
| Model | DST1610A |
| Nominal Frequency | 32.768Hz |
| Load Capacitance | 6.0pF |
| Series Resistance | 100kΩ max. |

[Measurement Results]

C1=5pF, C2=5pF, VDD=+1.9V

| | |
|---------------------|--------|
| Negative Resistance | -680kΩ |
| Drive Level | 0.1μW |
| Frequency Deviation | -6ppm |

C1=5pF, C2=5pF, VDD=+3.3V

| | |
|---------------------|--------|
| Negative Resistance | -680kΩ |
| Drive Level | 0.1μW |
| Frequency Deviation | +1ppm |

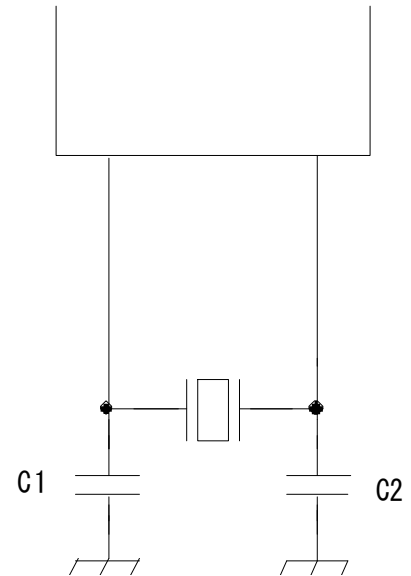
Measurement Results are for Reference only.

Therefore, it is necessary to conduct a survey on your board.

If you have any questions about circuit survey, please contact us by the following e-mail.

circuitanalysis797@kds.info

[Oscillation Diagram]



[IC information]

| | |
|------------------|--------------------|
| Manufacture | STMicroelectronics |
| Series/Product | STM32WL |
| Type/Device Code | EI32WL55 |

[Specification of Resonator]

| | |
|-------------------|-------------------|
| Model | DST310S |
| Nominal Frequency | 32.768Hz |
| Load Capacitance | 6.0pF |
| Series Resistance | 80k Ω max. |

[Measurement Results]

C1=4pF, C2=4pF, VDD=+1.9V

| | |
|---------------------|----------------|
| Negative Resistance | -750k Ω |
| Drive Level | 0.1 μ W |
| Frequency Deviation | +8ppm |

C1=4pF, C2=4pF, VDD=+3.3V

| | |
|---------------------|----------------|
| Negative Resistance | -750k Ω |
| Drive Level | 0.1 μ W |
| Frequency Deviation | +10ppm |

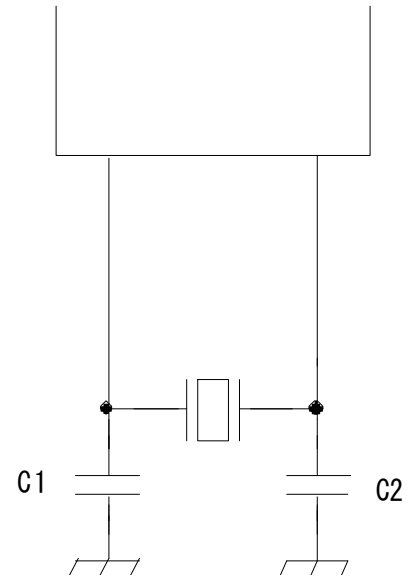
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[Oscillation Diagram]



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| Manufacture | STMicroelectronics |
| Series/Product | STM32WL |
| Type/Device Code | EI32WL55 |

[Specification of Resonator]

| | |
|-------------------|-------------------|
| Model | DMX-26S |
| Nominal Frequency | 32.768Hz |
| Load Capacitance | 12.5pF |
| Series Resistance | 50k Ω max. |

[Measurement Results]

C1=18pF, C2=18pF, VDD=+1.9V

| | |
|---------------------|----------------|
| Negative Resistance | -680k Ω |
| Drive Level | 0.1 μ W |
| Frequency Deviation | +1ppm |

C1=18pF, C2=18pF, VDD=+3.3V

| | |
|---------------------|----------------|
| Negative Resistance | -680k Ω |
| Drive Level | 0.1 μ W |
| Frequency Deviation | +1ppm |

Measurement Results are for Reference only.

Therefore, it is necessary to conduct a survey on your board.

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[Oscillation Diagram]

