Reflow Oven Checklist

STM32F405RXT

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| --- | --- | --- |
| Component | Manufacturer Part Number | Price ($) |
| Microcontroller | [STM32F405RGT6](http://www.digikey.ca/product-detail/en/STM32F405RGT6/497-11767-ND/2754208) | 13.87 |
| LCD (with backlight) |  |  |
| Solid State Relay | PR26MF11NIPF | [0.68](http://www.digikey.ca/product-detail/en/PR26MF11NIPF/425-2359-2-ND/720481) |
| Fuse |  |  |
| Crystal (dongle) | ---- | ---- |
| K-type thermocouple | ---- | ---- |
| Buzzer (same as dongle) | ---- | ---- |
| Buttons/switches (dongle) |  |  |
| Cold junction compensation | [MAX6675ISA+T](http://www.digikey.ca/product-detail/en/MAX6675ISA%2BT/MAX6675ISA%2BTCT-ND/1859231) | 17.36 |
| Resistors (same values) |  |  |
| Transistor (dongle) |  |  |
| Rectifier |  |  |
| Decoupling Capacitor |  |  |
| LED | Already have | ---- |
|  |  |  |

Transformer to bring voltage down to 3.3V.