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) | 153-1113-ND | 5.33 |
| Solid State Relay | 4D2425 | [61.11](http://www.digikey.ca/product-detail/en/PR26MF11NIPF/425-2359-2-ND/720481) |
| Fuse | F3665CT-ND | 1.55 |
| 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) | ---- | ---- |
| Thermocouple Connector | GK11M | 14.95 |
| Thermocouple Connector Female | A346 | 7.10 |
| LED | Already have | ---- |
| Rectifier | ZXSBMR16PT8TA | 0.72 |
| Transformer | TCT3-11E07AE | 8.41 |
| Regulator | MCP1801T-3002I/OT | 0.32 |

---- : already have or, use the same as dongle.