**Q1. Provide in a word document the information requested for all the components of A0. Any component with stock in Digikey/Mouser of <10 units is changed to another type of component.**

**SAMW25**

**•** Manufacturing Part Number (MPN)

ATSAMW25H18-MR210PB1952

**•** Distributor Part Number (from Digikey or Mouser)

ATSAMW25H18-MR210PB1952-ND

**•** Available Stock: Stock of devices

0

**•** Part Status: Active/Not Recommended for New Design/Obsolete

Active

**•** Voltage range: What voltage range does the device use?

CryptoAuthenticationTM ATECC508 (optional) I/O operating voltage: 2.7 to 3.6V

Power Amplifier and On-board Switching Regulator operating voltage: 2.7 to 4.3V

**•** Operating Temperature

-40°C ~ 85°C

**•** Mounting type

Surface Mount

**Thermal Printer**

• Manufacturing Part Number (MPN)

2753

• Distributor Part Number (from Digikey or Mouser)

2753-ND

• Available Stock: Stock of devices

Available To Order (Manufacturer Standard Lead Time: 2 Weeks)

• Part Status: Active/Not Recommended for New Design/Obsolete

Active

• Voltage range: What voltage range does the device use?

5-9V DC

• Operating Temperature

N/A

• Mounting type

N/A

**Ultrasonic Distance Sensor**

• Manufacturing Part Number (MPN)

Adafruit Industries LLC 4007

• Distributor Part Number (from Digikey or Mouser)

1528-2832-ND

• Available Stock: Stock of devices

52 in Stock

• Part Status: Active/Not Recommended for New Design/Obsolete

Active

• Voltage range: What voltage range does the device use?

3 V ~ 5.5 V

• Operating Temperature

0°C ~ 70°C

• Mounting type

N/A

**Temperature Sensor**

• Manufacturing Part Number (MPN)

SHTC3-TR-2.5KS

• Distributor Part Number (from Digikey or Mouser)

1649-SHTC3-TR-2.5KSCT-ND

• Available Stock: Stock of devices

67,584 in Stock

• Part Status: Active/Not Recommended for New Design/Obsolete

Active

• Voltage range: What voltage range does the device use?

1.62V to 3.6V

• Operating Temperature

–40°C to 125°C

• Mounting type

Surface Mount

**Touchscreen**

• Manufacturing Part Number (MPN)

AFY240320A0-2.4INTH-R

• Distributor Part Number (from Digikey or Mouser)

2544-AFY240320A0-2.4INTH-R-ND

• Available Stock: Stock of devices

156 in Stock

• Part Status: Active/Not Recommended for New Design/Obsolete

Active

• Voltage range: What voltage range does the device use?

2.65V to 3.3V

• Operating Temperature

-20°C~ 70°C

• Mounting type

N/A