

MXET-300 Kit Contents List

Within the MXET-300 Lab kit, there are 17 major components with a few of these featuring some pre-assembled sub-components. Please reference the following pages for a detailed list of these components as well as some images depicting all these items and how they are stored within the kit container.

Please note that ALL items must be returned in proper working order and in the same condition as they were provided to you and stored in the same manner within the container as depicted on pages 2 and 3. Failure to do so will result in loss of grade points.

1. Raspberry Pi, Case and QWIIC boards
 - Custom 3D Printed Case Bottom and Case Lid
 - Raspberry Pi 4B, 2GB
 - Heat Sinks for Raspberry Pi x 3
 - 128x64 OLED Graphic Display - STEMMA QT
 - INA219 High Side DC Current Sensor - STEMMA QT
 - SparkFun QWIIC Multiport
 - SparkFun QWIIC SHIM
 - STEMMA QT / Qwiic JST SH 4-pin Cable - 50mm Long x 3
 - STEMMA QT / Qwiic JST SH 4-pin Cable - 100mm Long x 1
 - Raspberry Pi 4 Fan (30x30x7mm)
2. 12 V DC Battery Pack
 - Custom 3D Printed Bracket
 - Samsung 35E 18650 3500mAh 8A Battery x 3
3. Motor Driver Bracket
 - Custom 3D Printed Bracket
 - L298N Motor Driver Board x 2
4. 12 V DC Power Supply
5. 12/24 V DC to 5 V DC Converter
6. Micro SD card with Adaptor
7. Flathead Screw Driver
8. Phillips Screw Driver
9. Female Barrel to Anderson Power Pole Cable
10. Power to Pi "Y-cable"
11. Motor Power Cable x 3
12. QWIIC cable, 300 mm long x 2
13. Motor Driver Signal cable (Green, Blue, Violet, Grey)
14. Motor Driver Signal cable (Brown, Red, Orange, Yellow)

MXET-300 Lab Kit
SCUTTLE-T1

MXET-300
Lab Kit
Contents
List



MXET-300
SCUTTLE
Wire
Guide







