MIE444 Available Project Materials

Additional details found on Myhal Light Fabrication Facility website:

https://utoronto.sharepoint.com/sites/fase-myhalfabrication/Lists/Electronics/AllItems.aspx

Item			
Dupont Jumper Wire 10-20cm FF			
Dupont Jumper Wire 10-20cm MF			
Dupont Jumper Wire 10-20cm MM			
Alligator Clips			
JST Connectors 1.5mm 3 pin pairs			
JST Connectors 1.5mm 4 pin pairs			
JST Connectors 1.5mm 6 pin pairs			
Stranded Wire - 5 meters			
Tamaiya Connector Sets (with Wires)			
Tamaiya Connector Sets (without Wires)			
DC Power Plugs Female			
DC Power Plugs Male			
Toggle Switch 6pin (on-off-on) 6A			
Solderless Bread Boards			
Perforated Boards of Various Sizes			
Arduino Uno Shield Boards			
AC Adapters 12V 5A			
12V NiMH Rechargeable Battery			
7.2V NiMH Rechargeable Battery			
AAA Batteries			
AAA Battery Pack Holder 4 Slots			
AAA Battery Pack Holder 5 Slots			
AAA Battery Pack Holder 6 Slots			
Motor Driver L298N			
Relay Module			
Stepper Motor Driver DRV8825			
Stepper Motor Driver A4988			
Bread Board Power Supply Module			
DC DC Converter Fixed 12V 3.5A			
DC-DC Converter Fixed 6V 3.5A			
DC-DC Converter LM256			
DC-DC Converter Adjustable 5A			
5V Regulator			
3.3V Regulator			
Small Ball Caster 1			
Large ball casters			
Pulley Gear - 16T W6 B5			
Pulley Gear - 20T W6 B5			
Timing Belt 400mm			
Lead Screw - Servo Motor Coupling			
Lead Screws 300mm with nut			
Standoffs 20mm			
Standoffs M3 10mm			

Standoffs M3 25mm			
Standoffs M3 50mm			
Velcro Rolls			
6V DC Motor + Encoder (no accessories)			
6V DC Motor + Encoder (complete sets)			
6V DC Motor (Larger) + Encoder (complete sets)			
DC Motor Hub 3mm			
DC Motor Mount			
DC Motor Wheel Coupling			
Omni wheels			
Pololu Wheels			
Servo Mini			
Servo MG995 or MG996			
Nema 17 Stepper Motor			
Color Sensor GY-31 TCS3200			
Compass HMC5883L			
Gyro and Accelerometer MPU6050			
Limit Switches			
IR Distance sensor (4 - 40cm)			
IR Line Follower			
IR Optical Slot Sensor			
Rotary Encoder			
Ultrasonic Distance Sensor			
Arduino Nano			
Ardunio Mega			
Ardunio Uno			
USB Cables			
Micro SD Card Reader			
Bluetooth Module HC-05			
Bluetooth Module HC-06			
Wifi Module ESP8266			
Transistors IRF510			
Transistors TIP 147			
Transistors TIP 148			
Capacitor Kit (1uF - 470uF)			
Diodes 1n4001			
Diodes 1n4004			
Diodes 1n5819			
LED Green			
LED Red			
Potentiometer			
Resistors Kit (10 - 1M Ohms 1/4W 1%)			
Stackable Long Header 4p			
Stackable Long Header 6p			