

Component	Company	Description	Part number	Specs	Link / Document
PCBA 3.0	Medesto	Controls the power to the components using custom written firmware	LB100-3000-0A	NA	• Schematics & BOM uploaded
Wall Transformer	Adaptor Tech	Allows connection of external power supply to provide power to the dispenser	LB7800-014-0A (ATS036T-W240U)	<ul style="list-style-type: none"> <li>Voltage Type: DC</li> <li>Operating Voltage: 24V</li> <li>Amp: 1.5A</li> </ul>	<a href="http://www.adaptertech.com.tw/30-Watt-ATS030-Series.html?CID=2_1">http://www.adaptertech.com.tw/30-Watt-ATS030-Series.html?CID=2_1</a> <ul style="list-style-type: none"> <li>Spec sheet uploaded.</li> </ul>
LTE Antenna	TE Connectivity	Antenna for cellular communication	LB5000-944-0A	10W	• Spec sheet uploaded
Speaker	Sheng Jia	N/A	LB5000-146-0A	8Ω / 2W	• Spec sheet uploaded
LED – Cup	TONGJIA	5MM RGB Round LED	LB5000-945-0A	Common Anode / 5V	• Spec sheet uploaded
Optical Sensor – Cup Reading	Everlight	ITR20001/T Infrared emitting diode and NPN silicon phototransistor	LB5000-140-0A	5V	• Spec sheet uploaded
Stepper Motor – Pod Tray	MotionKing	Used to turn gear assembly to rotate and vibrate the pod in the pod tray	LB100-0007 (25PM48L05)	24V stepper - part number 25PM48L05 MotionKing	<a href="http://www.motionking.com/Products/PM_Stepper_Motors/25PM_Stepper_Motor.htm">http://www.motionking.com/Products/PM_Stepper_Motors/25PM_Stepper_Motor.htm</a> <ul style="list-style-type: none"> <li>Spec sheet uploaded</li> </ul>
Optical Sensor – Flag Reading	TT Electronics	Infrared Sensor	LB7800-027-0A	Reference spec sheet	• Spec sheet uploaded
Optical Sensor – Cell Reading	TT Electronics	Infrared Sensor	LB7800-027-0A	Reference spec sheet	• Spec sheet uploaded
NFC Coil	Molex	Reads NFC tags on pod	LB5000-936-0A	13.56MHz	• Spec sheet uploaded
Solenoid – Arm Grab	TDS	12V solenoid	LB100-0010-0F (TDS-06U)	12V	• Spec sheet uploaded
Solenoid - Piercing	TDS	6V solenoid	LB100-0009-0E (TDS-10L)	6V	• Spec sheet uploaded
Rechargeable Battery	DTP	Battery used to power PCBA when there is no power supply	LB5000-940-0A	3.7V / 3000mAh	• Spec sheet uploaded

