Line Item	Quantity	Reference Designation	Value	Description	Manufacturer	Part Number
1	1	U1		Microcontroller	Texas Instruments	MSP430F5529IPN
2	1	U2		Bluetooth LE Controller	Texas Instruments	CC2640R2FRHBR
3	1	U3		32 Bit Digital to Analog Converter 2 Channel	Asahi Kasei Microdevices	AK4493EQ
4	1	U4		32 Bit Analog to Digital Converter 4 Channel	Asahi Kasei Microdevices	AK5534VN
5	1	U5	8-38V 2.8A	Motor Driver - Form Feed	Texas Instruments	DRV8801RTYR
6	1	U6	4-18V 1.4A	Dual Solenoid Drivers - Bladder Hammers	Texas Instruments	DRV8846RGER
8	1	U7	3.3V	Switching Power Supply 3.3V	Texas Instruments	TPS61221DCKR
9	1	U8	5V	Switching Power Supply 5V	Texas Instruments	TPS61222DCKR
10	1	U9	12V, 2A	Switching Power Supply 12V	Linear Technology	LT1109ACS8-12#PBF
11	1	U10	±15V	Switching Power Supply ±15V	Texas Instruments	TPS65130RGER
12	1	U11		Angle Sensor	NXP	KMZ49,118
13	7	U12, U13, U14, U15, U17, U18, U19		High Impedence, High Slew Rate, Low Noise Op Amps	Texas Instruments	OPA637AU
14	1	Y1	32.768kHz	Crystal	Seiko	SSP-T7-F
15	1	H1		Secure Digital Memory Socket	Amphenol	101-00405-75
16	1	H2		Mini USB Connector	Amphenol	10118194-0001LF
17	1	H3		Litium Battery Connector	JST	S2B-PH-K-S(LF)(SN)
18	1	H4		Display Connector	TE Connectivity	84952-6
19	1	DISPLAY		Touch Screen Display	Displaytech	DT035BTFT-PTS1
				Resistors		
				Capacitors		
				Inductors		
				Connectors		
				Limit Switches		
				NFC/RFID Biosensor ID		