





Section   Sect	Comment	Description	Designator	Footprint	LibRef	Quantity
186612 Capacitor Purp   1.00		Battery Holder (Open)				1
Digit	1		01		CitND	1
2.26						2
2014/10/E						1
MOVIZOUR						1
Compaction non-pot   Compaction non-pot   Compaction non-pot   Compacting pot   Compactin						1
Compaction transport   Compaction transport					•	
Signature   Capacitor non-pol   C10	0.1uF	Capacitor non-pol		C 0603 (1608)	Capacitor NP	7
1006/F28/0700    Capacitor pole   C12	33pF	Capacitor non-pol		C 0603 (1608)	Capacitor NP	1
22pf	10uF/25V(20%)		C12			1
Diode	22pF	Capacitor non-pol	C13, C14	C 0603 (1608)		2
1985 19	Diode Schottky	Schottky Diode	D1	DO-214AC (SMA)	Diode Schottky	1
MS_MSMF   Rise	Diode	Default Diode	D2, D4, D5, D6, D7	DO-214AC (SMA)		5
Gas Discharge Tube   Header   The Header   The Header	1N5819	Default Diode	D3		Diode	1
Header 1	MS_MSMF	Fuse	F1, F2	Fuse 1812P050	Fuse	2
USB   Micro B USB 2   0   CT   USB 313   30   USB 313   30   C230   A, REVB   A   ReVB	Gas Discharge Tube		GDT1	CAPC4532X110N	Gas Discharge Tube	1
USB31313-30-0230   Septiable Connector   Freshlorn Through   Hole   Card   Ca	Header 1		H1, H2, H3, H4	M3	Header 1	4
Hole		Receptacle Connector	J1			1
12x12x8		Hole				
Led				12x12x8		1
Led	2.4uH	Inductor			Inductor	1
Header 2	Led	Typical LED	LED4, LED5, LED6, LED7, PWR	Led SMD 0805	Led	8
Header 4		Header, 2-Pin	P9, P10			8
NPN Bjoolar   Transistor   D1, Q2   SOT-23   Transistor NPN						1
Transistor	Header 4		P6	Header 4	Header 4	1
0R Resistor R1 470 Resistor R2, R4, R7, R8, R19, R2, R4, R7, R8, R19, R20, R21, R22, R23 470(DNF) Resistor R3 470(DNF) Resistor R3 470(DNF) Resistor R5, R17, R18, R25 470(DNF) Resistor R19, R10, R11, R12 470 Resistor R19, R10, R11, R12, R13, R14 470 Resistor R19, R10, R11, R12, R13, R14 470 Resistor R19, R10, R11, R12, R13, R14 470 Resistor R19, R10, R10, R10, R10, R10, R10, R10, R10	\$8050		01. 02	SOT-23	Transistor NPN	2
470 Resistor R2, R4, R7, R8, R19, R20, R21, R22, R23 R 0603 (1608) Resistor  470(DNF) Resistor R3 R2 R20, R21, R22, R23 R 0603 (1608) Resistor  R3 R2 R20, R21, R22, R23 R 0603 (1608) Resistor  R3 R2 R20, R21, R22, R23 R 0603 (1608) Resistor  R3 R2 R20, R21, R22, R23 R 0603 (1608) Resistor  R3 R2 R20, R21, R22, R23, R20, R20, R20, R20, R20, R20, R20, R20						
### A	OR	Resistor		R 0603 (1608)	Resistor	1
10k			R20, R21, R22, R23			9
22k	470(DNF)	Resistor				1
Resistor   R9, R10, R11, R12   R603 (1608)   Resistor						4
Resistor						1
Q. Open         Resistor         R14         R 0603 (1608)         Resistor           104         Resistor         R15, R16         R 0603 (1608)         Resistor           20k         Resistor         R24         R 0603 (1608)         Resistor           SRA-05VDC-CL         RL1, RL2, RL3, RL4         RELAY_SRA-05VDC-CL         SRA-05VDC-CL           Tact Switch         Tact switch 2 pin         SW1         SW1/2/SMD         SW SPST-4           Button         Tact switch 2 pin         SW2, SW3         SW2/SMD         SW SPST           SW SPDT         SW4         SW3/SPST         SW SPST           Dlode TVS         Bi-directional TVS Diode         SW3/SPST         SW SPDT           Diode TVS         Bi-directional TVS Diode         TVS1, TVS2, TVS3         DO-214AC (SMA)         Diode TVS Bi-Dir           Diode TVS         Bi-directional TVS Diode         TVS1, TVS5, TVS6         DO-214AC (SMA)         Diode TVS Bi-Dir           LP2985         LP2985 150-mA, Low-noise 30 μV(RMS) With 10-nF Bypass         U1         SOT-23-5         LP2985           LP2985         Capacitor, Low-dropout Regulator Regulator         Regulator         Regulator         Regulator           LM2576-5         3A Step-Down Voltage Regulator Regulator Regulator Regulator Regulator         SOT-2						4
104						1
20k   Resistor   R24						1
SRA-05VDC-CL         RL1, RL2, RL3, RL4         RELAY_SRA-05VDC-CL         SRA-05VDC-CL           Tact Switch         Tact switch 4 pin         SW1         SW/4/DIP/SMALL         SW SPST-4           Button         Tact switch 2 pin         SW2, SW3         SW/2/SMD         SW SPST-4           SW SPDT         SW4         SW/3/SPDT/SST2D10         SW SPST           SW SPDT         SW4         SW/3/SPDT/SST2D10         SW SPST           Diode TVS         Bi-directional TVS         DV31, TVS2, TVS3         DO-214AC (SMB)         Diode TVS Bi-Dir           Diode TVS         Bi-directional TVS         TVS4, TVS5, TVS6         DO-214AC (SMA)         Diode TVS Bi-Dir           Diode TVS         Bi-directional TVS         TVS4, TVS5, TVS6         DO-214AC (SMA)         Diode TVS Bi-Dir           LP2985         Capacitor, Low-dropout Regulator         DO-214AC (SMA)         Diode TVS Bi-Dir           LP2985         Capacitor, Low-dropout Regulator         DV SOIC-23-5         LP2985           LM2576-5         JA Step-Down Voltage         U2         TO-263-5         LM2576/96           Regulator         Regulator         U3         SOIC127P600X175-14N         74HC14D           SP485 Series 5 Mbps 5         V Low Power Half         U4         SOIC-8         SP485EN-L <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td>						2
Tact Switch	20k	Resistor	R24	R 0603 (1608)	Resistor	1
Button	SRA-05VDC-CL		RL1, RL2, RL3, RL4	RELAY_SRA-05VDC-CL	SRA-05VDC-CL	4
Button	Toot Cuitob	Toot quitab 4 pin	CVA/1	CW//4/DID/CMANI	CIA/ CDCT 4	1
SW SPDT						2
Diode TVS		ract switch 2 pin				1
Diode IVS		Ri-directional TVS		i		
Diode   VS	Diode TVS	Diode	TVS1, TVS2, TVS3	DO-214AA (SMB)	Diode TVS Bi-Dir	3
Double 30 μV(RMS)   Do	Diode TVS		TVS4, TVS5, TVS6	DO-214AC (SMA)	Diode TVS Bi-Dir	3
LM2576-5  3A Step-Down Voltage Regulator  Regulator  Inverter IC 6 Channel Schmitt Trigger 14- SOIC  SP485 Series 5 Mbps 5 V Low Power Half Duplex RS-455 Transceiver - NSOIC-8  CH340G  Bluetooth, WiFi 802.11b/g/n, Bluetooth v4.2 + EDR, Class 1, 2 and 3 Transceiver Module 2.4GHz - 2.5GHz Antenna Not Included, U.Fl. Surface Mount  ULN2003  ULN2003  LM2576/96  RM2576/96  SOIC-15-14N  SOIC-8  SP485EN-L  SP485EN-L  CH340G	LP2985	noise 30 µV(RMS) With 10-nF Bypass Capacitor, Low- dropout Regulator 280mV@150mA, With Shutdown 0.01µA Typ	U1	SOT-23-5	LP2985	1
74HC14D Schmitt Trigger 14- SOIC  SP485 Series 5 Mbps 5 V Low Power Half Duplex RS-485 Transceiver - NSOIC-8  CH340G  U4 SOIC-8 SP485EN-L SP485EN-L U4 SOIC-8 SP485EN-L U4 SOIC-8 SP485EN-L CH340G  U5 SOIC-16 CH340G  CH340G  ACVR_ESP32-WROOM-32U Class 1, 2 and 3	LM2576-5	3A Step-Down Voltage Regulator	U2	TO-263-5	LM2576/96	1
SP485 Series 5 Mbps 5	74HC14D	Schmitt Trigger 14-	U3		74HC14D	1
CH340G	SP485EN-L	SP485 Series 5 Mbps 5 V Low Power Half Duplex RS-485	U4	SOIC-8	SP485EN-L	1
Bluetooth, WiFi 802.11b/g/n,   Bluetooth v4.2 + EDR,   Bluetooth v4.2 + EDR,   Class 1, 2 and 3   Transceiver Module   2.4GHz - 2.5GHz   Antenna Not Included,   U.F. Surface Mount   ULN2003   Current Darlington   U.7   SOIC-16   ULN2003	CH340G	THATISCOIPE - INSUIC-0	115	SOIC-16	CH340G	1
High-voltage, high- ULN2003 current Darlington U7 SOIC-16 ULN2003		802.11b/g/n, Bluetooth v4.2 +EDR, Class 1, 2 and 3 Transceiver Module 2.4GHz - 2.5GHz Antenna Not Included,		XCVR_ESP32-WROOM-		1
Itransistor arrays	ULN2003	High-voltage, high-	U7	SOIC-16	ULN2003	1
12MHz Y1 Crystal HC49S DIP Crystal	12MHz	a arisistor dirays	V1	Crystal HC40S DID	Crystal	1