



Title		
Size	Number	Revision
A4		
Date:	24-12-2019	Sheet of
File:	F:\altium_shared_docs\...\bee_hive_1.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
A0	Connector	A1	HDRV4W87P0X254_1X4_991X236X1155P	0022032041	1
Header 3	Header, 3-Pin	Ao_NC, Ao_NO	HDR1X3	Header 3	2
3KBP04M-E4_51	Bridge Rectifier	BR1	TO385P508X1473X1168-4P	3KBP04M-E4_51	1
0.1uf	Capacitor Polarised	C1	CAPPRD250W50D680H1250	BKME500ELL100MF11D	1
0.33uf	Capacitor Polarised	C2	CAPPRD250W50D680H1250	BKME500ELL100MF11D	1
12v	Typical INFRARED GaAs LED	D1	LED-0	LED0	1
5v	Typical INFRARED GaAs LED	D2, D3, D5, D6	LED-0	LED0	4
1n4007	Diode	D4	DIOAD2902W106L900D500	1.5KE68CA-T	1
d_io	Connector	d_io1	HDRV4W87P0X254_1X4_991X236X1155P	0022032041	1
i2c	Connector	i1	HDRV4W87P0X254_1X4_991X236X1155P	0022032041	1
173950578	Integrated Circuit	IC1	173950578	173950578	1
ULN2003A	Integrated Circuit	IC2	DIP794W56P254L1918H533Q16N	ULN2003A	1
io	Connector	io?, io1	HDRV4W87P0X254_1X4_991X236X1155P	0022032041	2
PJ-102B		J1	*CUI_PJ-102B	PJ-102B	1
ip_vlts	Connector	J2	HDRV4W87P0X254_1X4_991X236X1155P	0022032041	1
5v	Connector	J3	HDRV4W87P0X254_1X4_991X236X1155P	0022032041	1
gnd	Connector	J4	HDRV4W87P0X254_1X4_991X236X1155P	0022032041	1
0022032041	Connector	J5	HDRV4W87P0X254_1X4_991X236X1155P	0022032041	1
0476618	Relay or Contactor	K1	0476618	0476618	1
254-15210-ROX	Loudspeaker or Buzzer	LS1	25415210ROX	254-15210-ROX	1
NodeMCU V1.0 ESP-12E	NodeMCU V1.0 ESP8266 (ESP-12E)	NodeMCU-1	NodeMCU V1.0 ESP-12E	NodeMCU V1.0 ESP-12E	1
1k	Resistor	R1, R15, R16	RESAD1650W60L650D250	MRS25000C1000FCT00	3
330E	Resistor	R2	RESAD1650W60L650D250	MRS25000C1000FCT00	1
Res1	Resistor	R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14	AXIAL-0.3	Res1	11
100E	Resistor	R?, R3	RESAD1650W60L650D250	MRS25000C1000FCT00	2
SW DIP-2	DIP Switch, 2 Position, SPST	S?	DIP-4	SW DIP-2	1
UART	Connector	UART1	HDRV4W87P0X254_1X4_991X236X1155P	0022032041	1