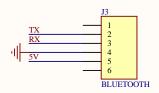
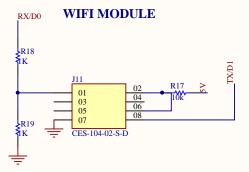
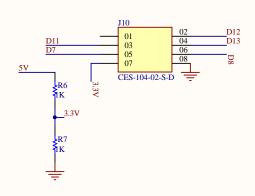


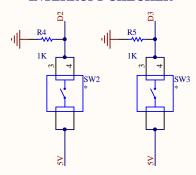
BLUETOOTH MODULE

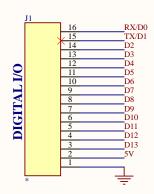






INTERRUPT CHECKER





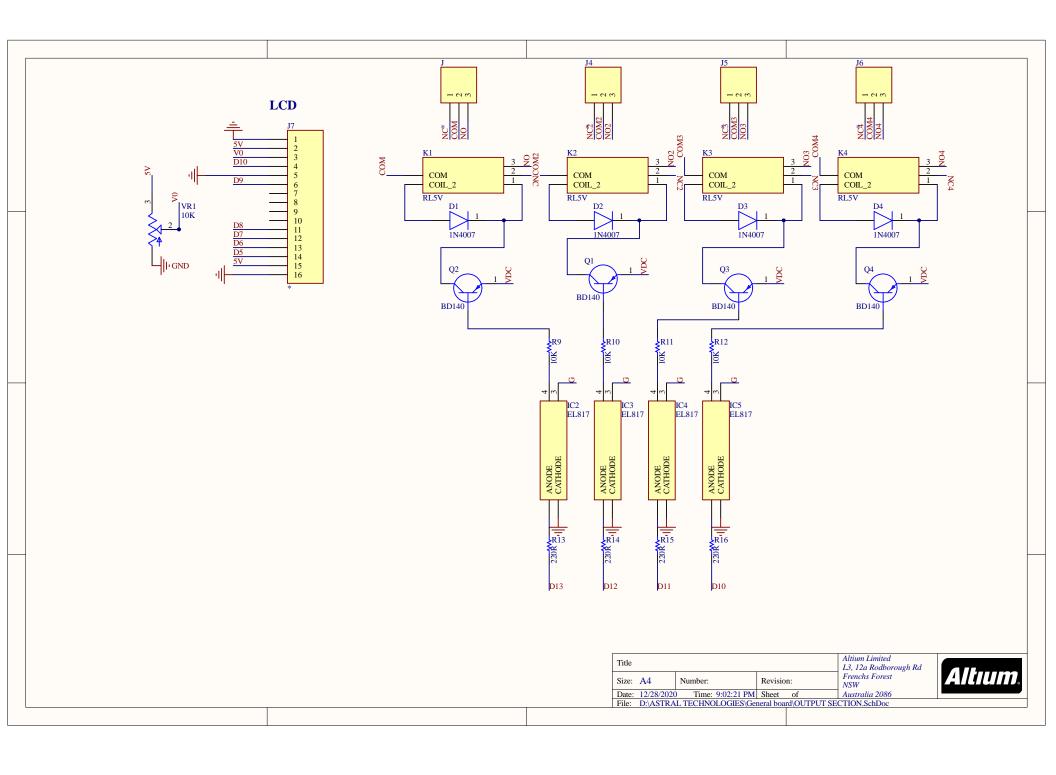
ANALOG I/O

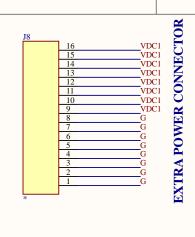


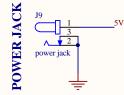
Title		Altium Limited L3, 12a Rodborough Rd		
Size:	A4	Number:	Revision:	Frenchs Forest NSW
Date:	12/28/2020	Time: 9:02:21 PM	Sheet of	Australia 2086

File: D:\ASTRAL TECHNOLOGIES\General board\INPUT SECTION.SchDoc









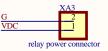






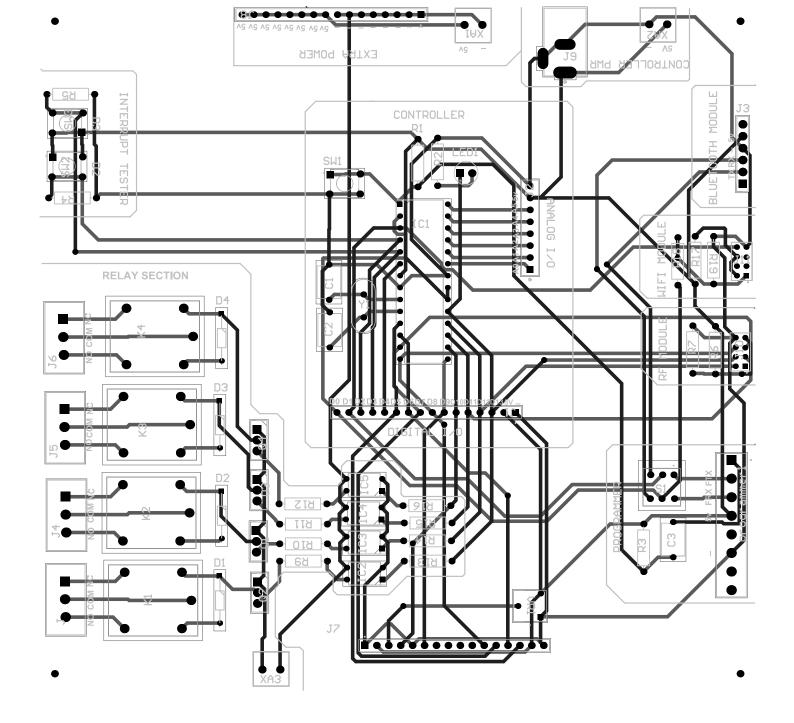






Altıum.

Title	Title				Altium Limited L3, 12a Rodborough Rd	
Size:	A4	Number:	Revisio	n:	Frenchs Forest NSW	
Date:	12/28/2020	Time: 9:02:21 PM	Sheet	of	Australia 2086	
File: D:\ASTRAL TECHNOLOGIES\General board\POWER SECTION.SchDoc						



Comment	Description	Designator	Footprint	LibRef	Quantity
18pF		C1, C2	CAP_DE21XSA100KN3AY 02F	DE21XSA100KN3AY02F	2
100pF		C3	CAP_DE21XSA100KN3AY 02F	DE21XSA100KN3AY02F	1
1N4007	Diode	D1, D2, D3, D4	DIOAD1138W56L406D1	1N4678_DO35_	4
			DIP1016W53P254L3468		
ATMEGA328-PU	Integrated Circuit	IC1	H457Q28N DIP762W60P254L458H4	ATMEGA328-PU	1
EL817	Integrated Circuit کارتن	IC2, IC3, IC4, IC5	80Q4N	EL817	4
	اتصاU" سÙ^کت Ù†Ù^ار				
	SKT 16 POS 2.54 ÙÛŒÙ,,ÛŒ ÙØ³Ø±				
	Ü"Ø-ÜŒÜ کاری ST Thru-				
1-215297-6	Hole	J1, J8	TE_1-215297-6	1-215297-6	2
	Connector Socket Strip Receptacle 8 Position				
5-534237-6	2.54mm Solder Straight Through Hole	J2	TE_5-534237-6	5-534237-6	1
BLUETOOTH	Connector	13	HDRV6W70P0X254_1X6 _1564X250X865P	M20-7820646	1
	Connector Header				
1-826646-6	Through Hole 16 position 0.100 (2.54mm)	J7	TE_1-826646-6	1-826646-6	1
	2.0 x 6.5 mm, 2.5 A, Horizontal, Through				
power jack	Hole, Kinked Pins, Dc Power Jack Connector	J 9	CUI_PJ-202A	PJ-202A	1
power jack	8 Position Receptacle	,		13 2027	
CES-104-02-S-D	Connector Through Hole	J10, J11	SAMTEC_CES-104-02-S- D	CES-104-02-S-D	2
177/110 2	Conn Terminal Block F 3 POS 5mm Solder ST	LIAIEIX	TE 177/110 2	177/110 2	
1776118-3 RL5V	Thru-Hole Package Relay or Contactor	J, J4, J5, J6 K1, K2, K3, K4	TE_1776118-3 0476618	1776118-3 0476618	4
	DIP LED Green-			DIP-LED-GREEN- VAPOROUS-GREEN-	
LED	Vaporous Green-10mm	LED1	LED2-2.54-D10MM	10MM(2P-D10MM)	1
	Connector Header Through Hole 8				
87247-8	position 0.156 (3.96mm)	programmer1	TE_87247-8 TO229P345X800X1460-	87247-8	1
BD140	Transistor BJT PNP	Q1, Q2, Q3, Q4	3P	BD14010STU	4
	Semiconductor Resistor	R1, R2, R3, R4, R5, R6, R7, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19	AXIAL-0.5	Res Semi	18
SERIAL	Switch	S1	MPSA22E080150	MPSA-22E08-0150	1
	Switch Push Button OFF _ON_ SPST Round				
	Button 0.05A 24VDC Momentary Contact PC				
1825910-6	Pins Thru-Hole 1 MOhms 0.5W, 1/2W	SW1, SW2, SW3	SW_1825910-6-4	1825910-6	3
	PC Pins Through Hole Trimmer Potentiometer				
10K	Cermet 1 Turn Top Adjustment	VR1	TRIM_3362P-1-105	3362P-1-105	1
	2 Position Wire to Board Terminal Block				
	Horizontal with Board 0.150 _3.81mm_		PHOENIX_MKDS1/2-		
extra power connector	Through Hole 2 Position Wire to	XA1	3.81	MKDS1/2-3.81	1
	Board Terminal Block Horizontal with Board				
power connector	0.150 _3.81mm_ Through Hole	XA2	PHOENIX_MKDS1/2- 3.81	MKDS1/2-3.81	1
	2 Position Wire to Board Terminal Block				
	Horizontal with Board 0.150 _3.81mm_		PHOENIX_MKDS1/2-		
relay power connector	Through Hole 20MHz ı30ppm	XA3	3.81	MKDS1/2-3.81	1
CRYSTAL	Crystal 20pF 40 Ohms HC-49/US	Y1	XTAL_ECS-60-20-4VX	ECS-200-20-4VX	1