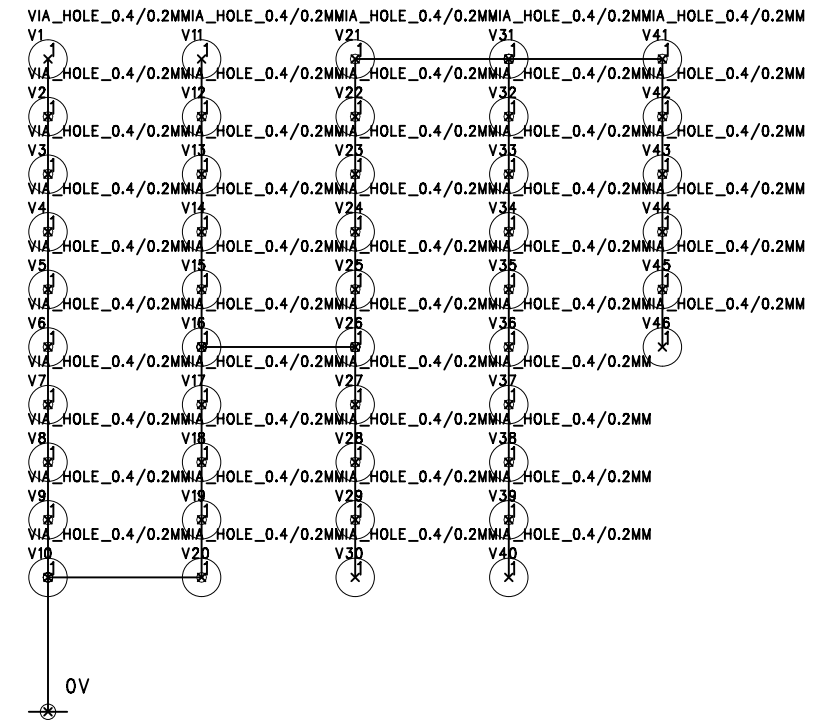
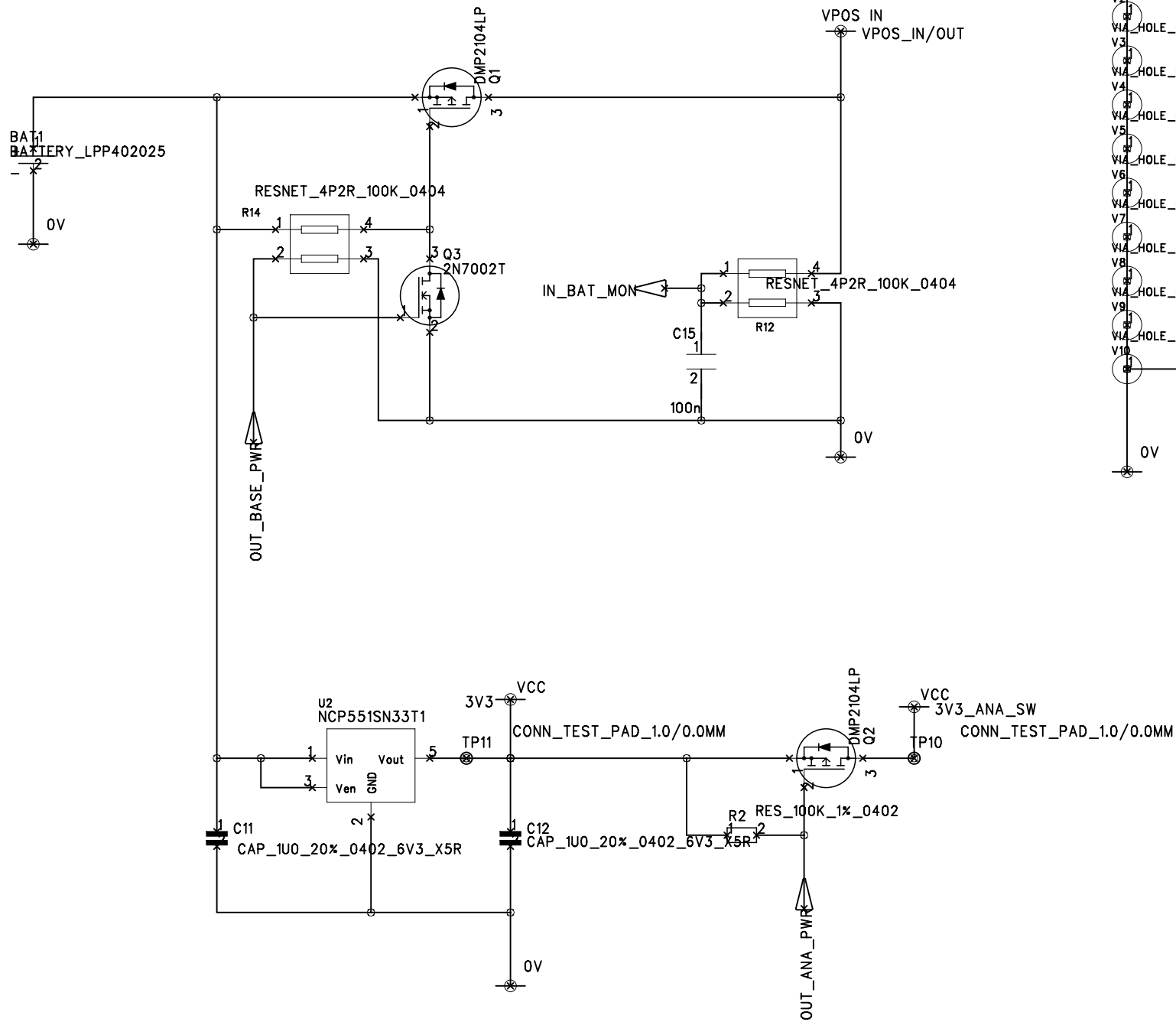




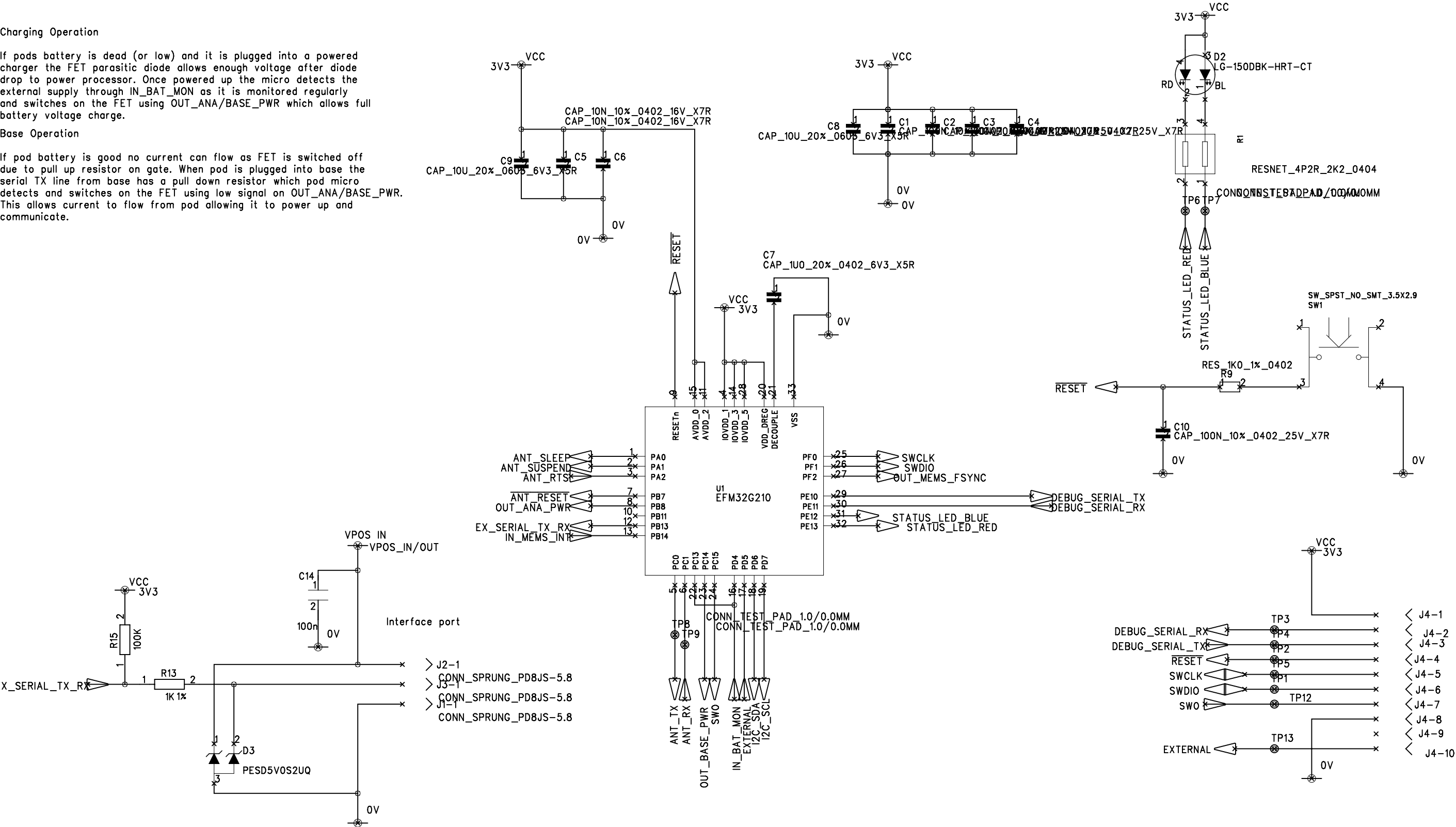
OWNER		COMPANY NAME (c)BRIM BROTHERS LTD		
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DRAWN	12/03/2014	POD		1.0
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Charging Operation

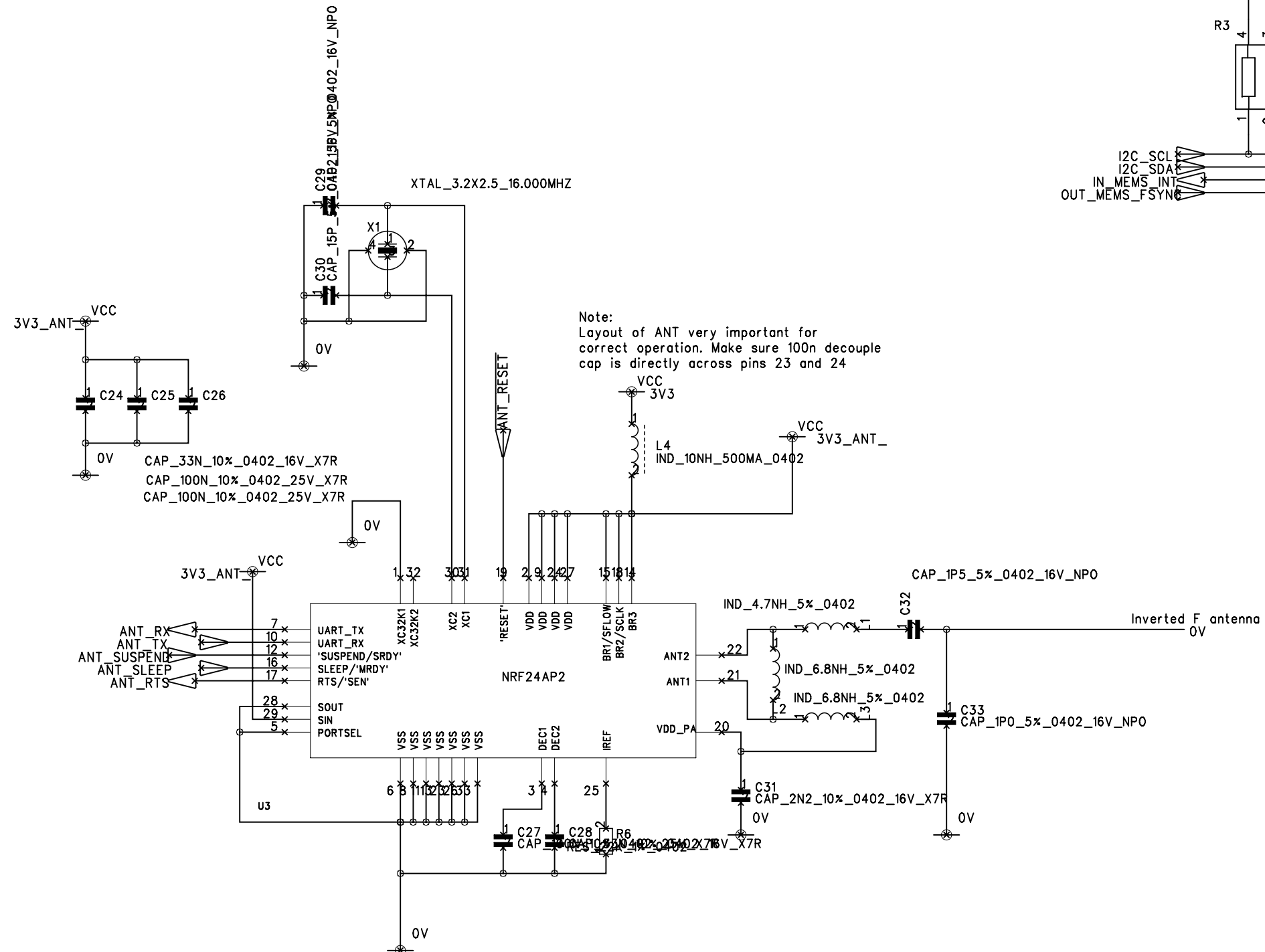
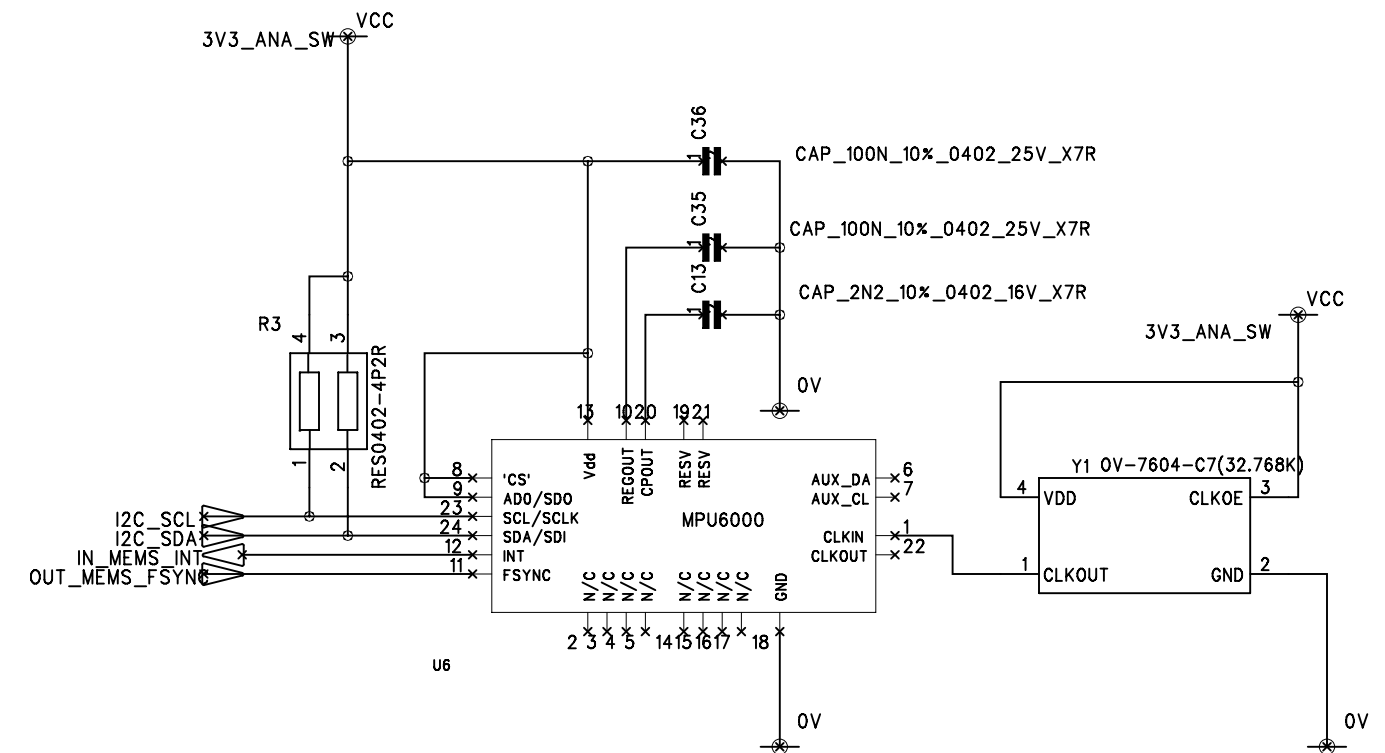
If pods battery is dead (or low) and it is plugged into a powered charger the FET parasitic diode allows enough voltage after diode drop to power processor. Once powered up the micro detects the external supply through IN_BAT_MON as it is monitored regularly and switches on the FET using OUT_ANA/BASE_PWR which allows full battery voltage charge.

Base Operation

If pod battery is good no current can flow as FET is switched off due to pull up resistor on gate. When pod is plugged into base the serial TX line from base has a pull down resistor which pod micro detects and switches on the FET using low signal on OUT_ANA/BASE_PWR. This allows current to flow from pod allowing it to power up and communicate.



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