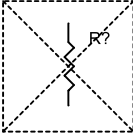


NOTES: UNLESS OTHERWISE SPECIFIED.

1. Components marked with a dashed and crossed box will not be installed during assembly.



2. Refer to the Bill of Material (BOM) which provides all necessary component information for the final assembly.

3. The following parameters will apply to all components unless otherwise stated in the BOM or Schematic.

- Resistor: +/- 5% or better, 1/16 Watt, 0402
- Capacitor, non - polarized: Ceramic, +/- 20%, 0402
- Capacitor, polarized: Tantalum, +/- 20%
- Inductance: +/- 10%

4. Bypass capacitors shall be distributed evenly amongst power pins of the IC power and GND pin.

5. Always observe layout guidelines and documentation from the component manufacturers

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1	TITLE PAGE
2	CPU MCU
3	MEMORY
4	RTC & WDT
5	SENSORS
6	POWER
7	CONNECTORS P1
8	CONNECTORS P2

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	RELEASE/CHANGE PER ECO-R241513	SEE AGILE	SEE AGILE

ORCAD CAPTURE DRAWING -  
ALL CHANGES MUST BE DONE IN ORCAD SYSTEM


REV	DESCRIPTION
A	INITIAL RELEASE

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APPROVALS		DATE
DRAWN:	J. ROCHFORD	04/14/14
ENGINEER	J. ROCHFORD	04/14/14
CHECKED	SEE AGILE	SEE AGILE
APPROVED	SEE AGILE	SEE AGILE
RELEASED:	SEE AGILE	SEE AGILE



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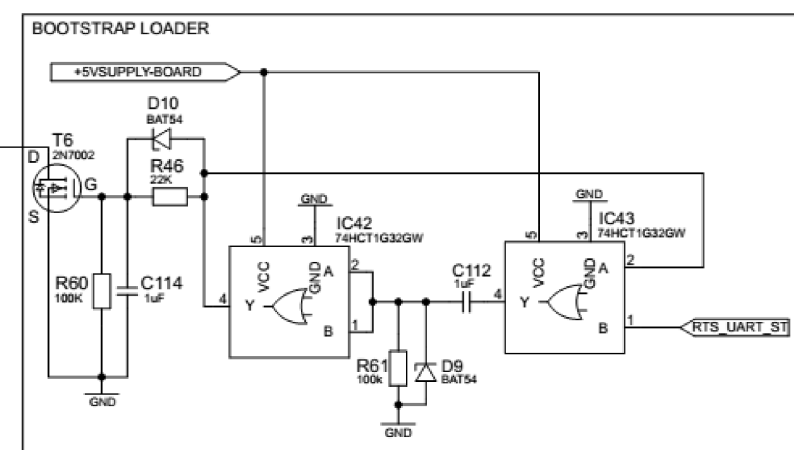
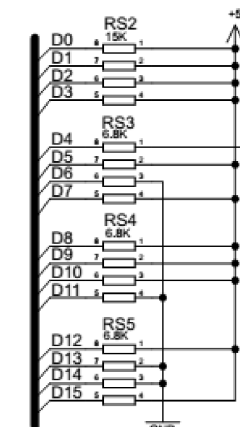
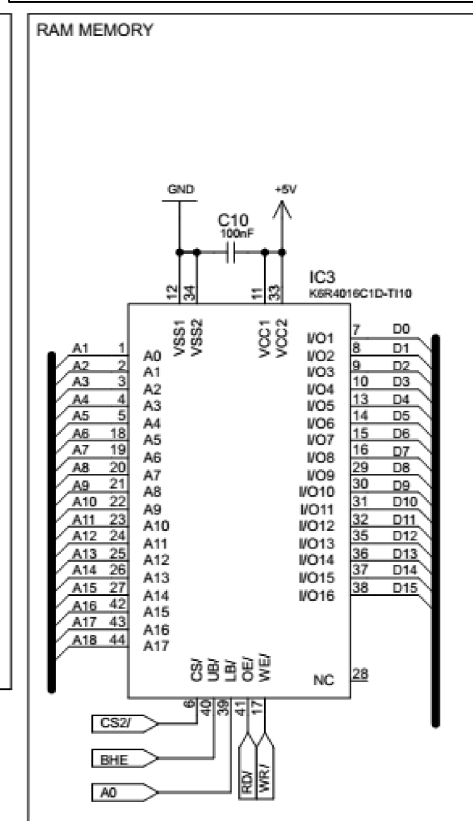
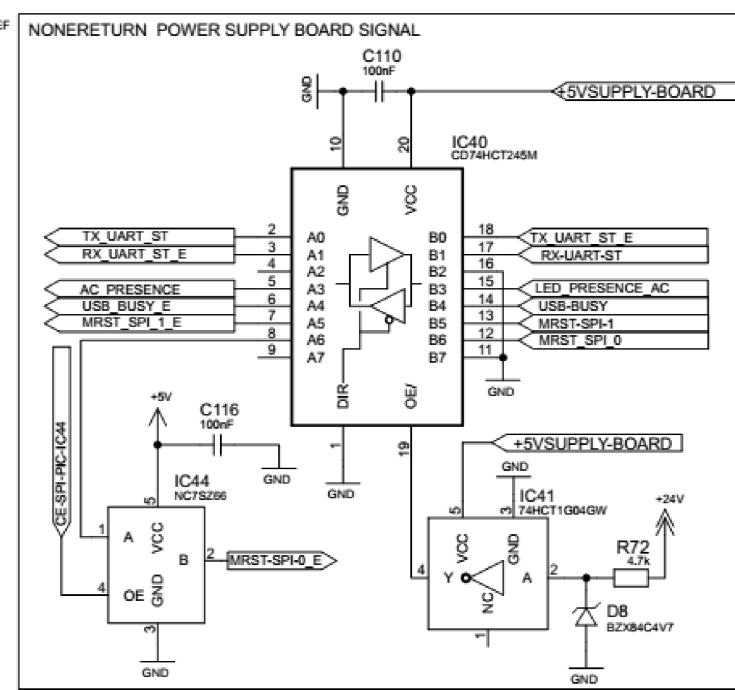
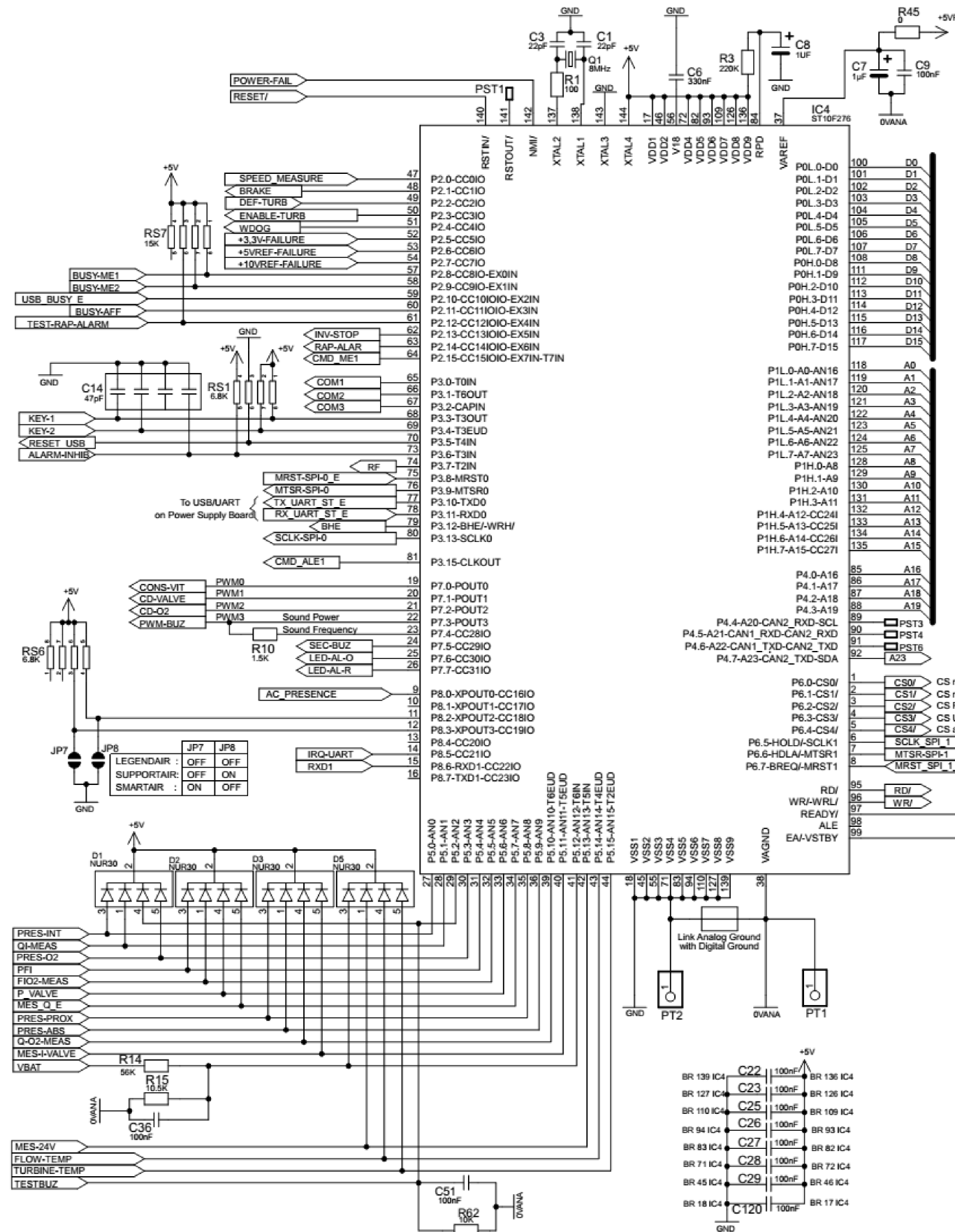
2101 Faraday Avenue  
Carlsbad, CA 92008

SCHEMATIC DIAGRAM  
CPU CARD

SIZE	MODEL	DWG NO.	REV:
B	PB560	10125623	A

SCALE: NONE	Template 10093694 Rev A	SHEET 1 of 8
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
SEE SHEET 1.			

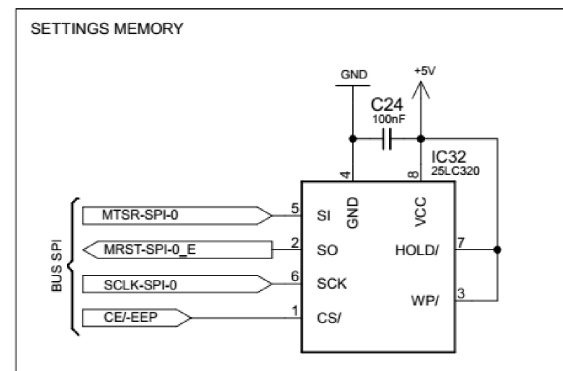
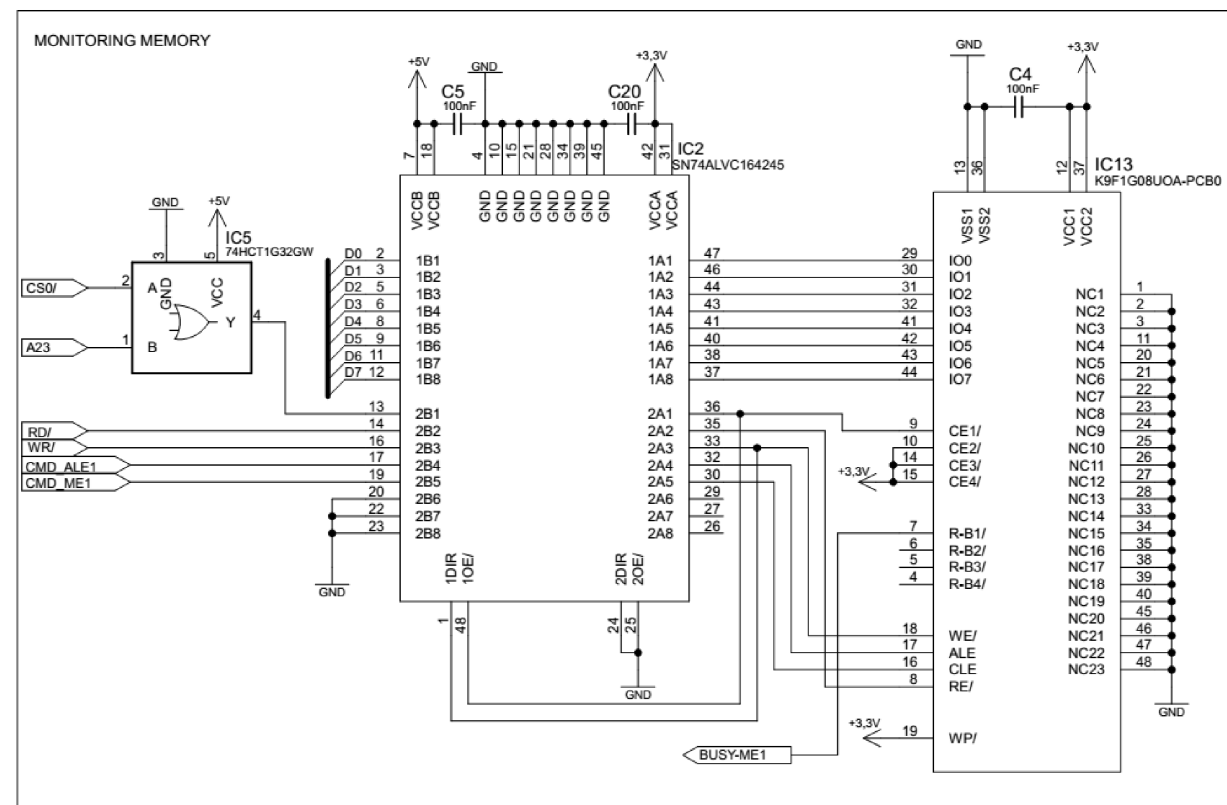
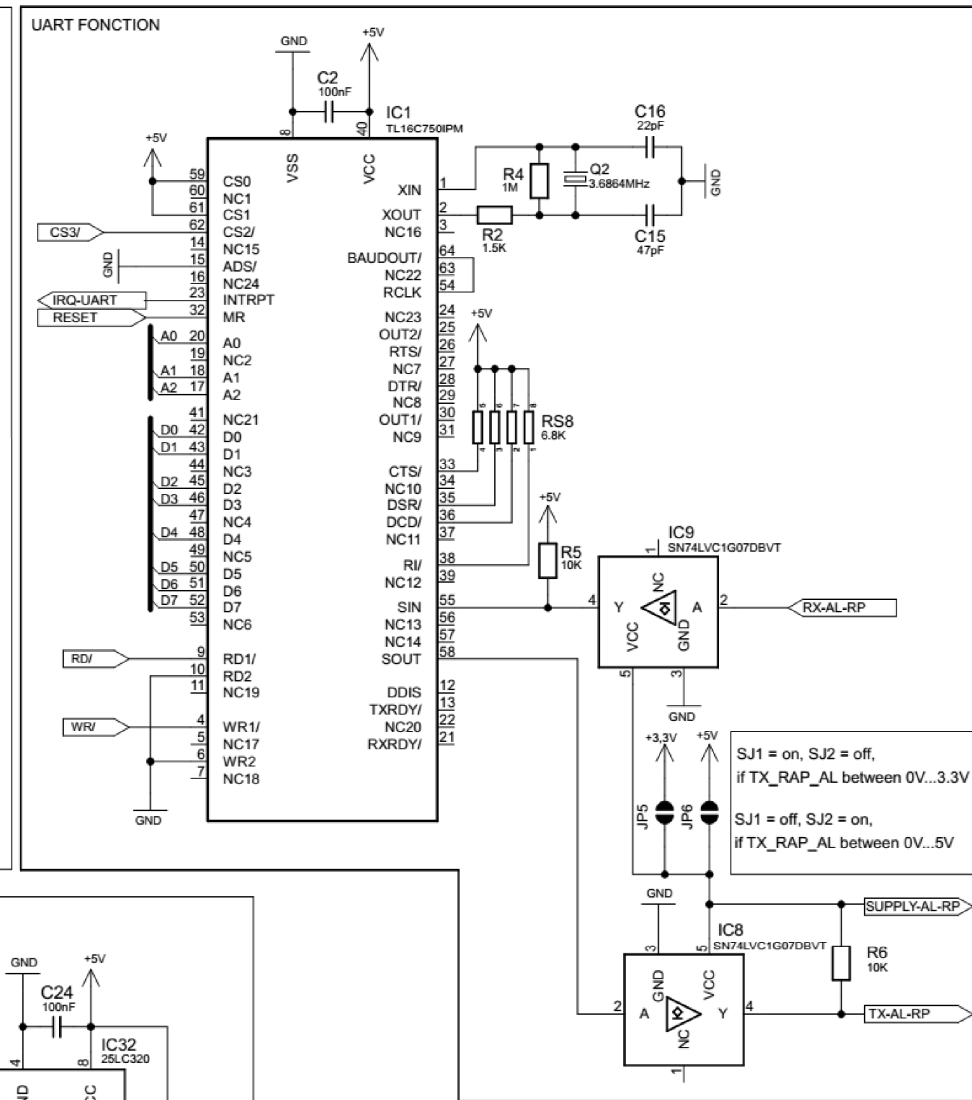
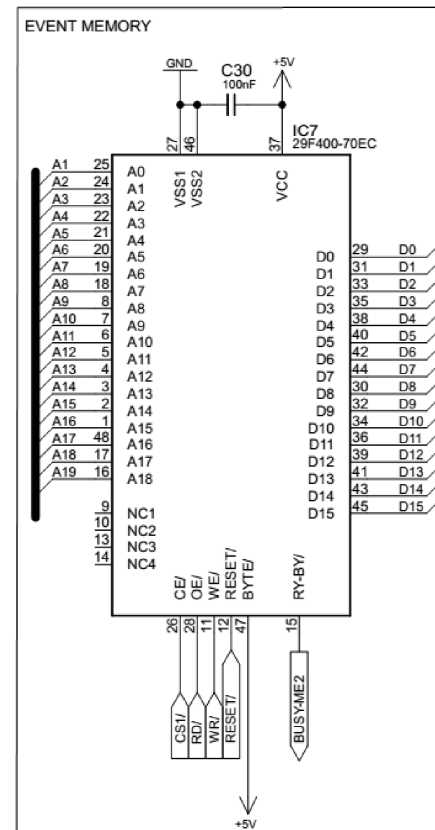
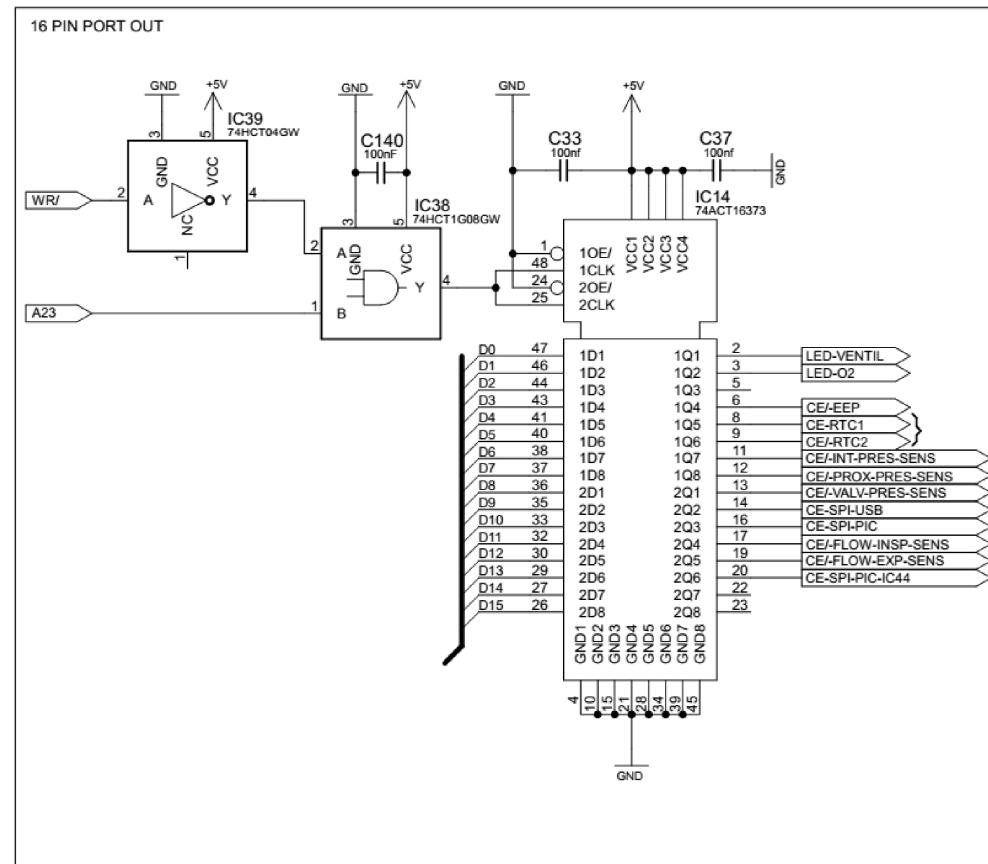


Function: CPU MCU


SIZE	MODEL	DWG NO.	REV:
B	PB560	10125623	A
SCALE: NONE	Template 10093694 Rev A	SHEET 2 of 8	

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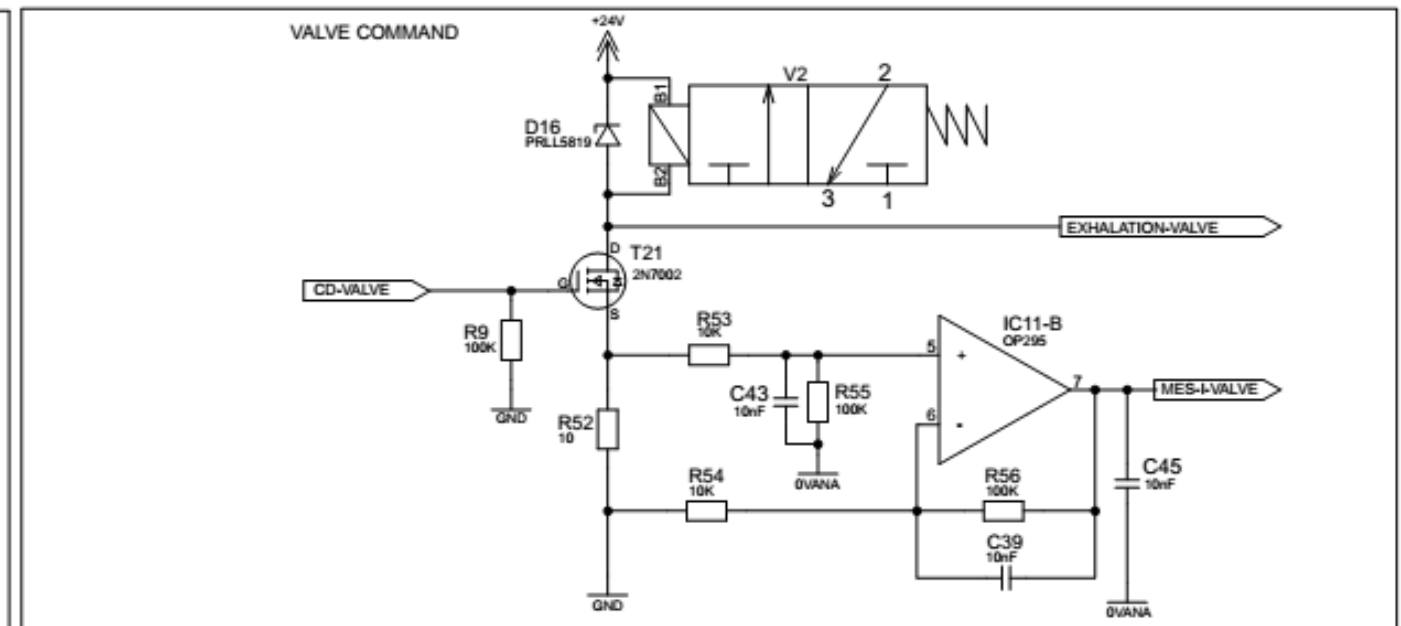
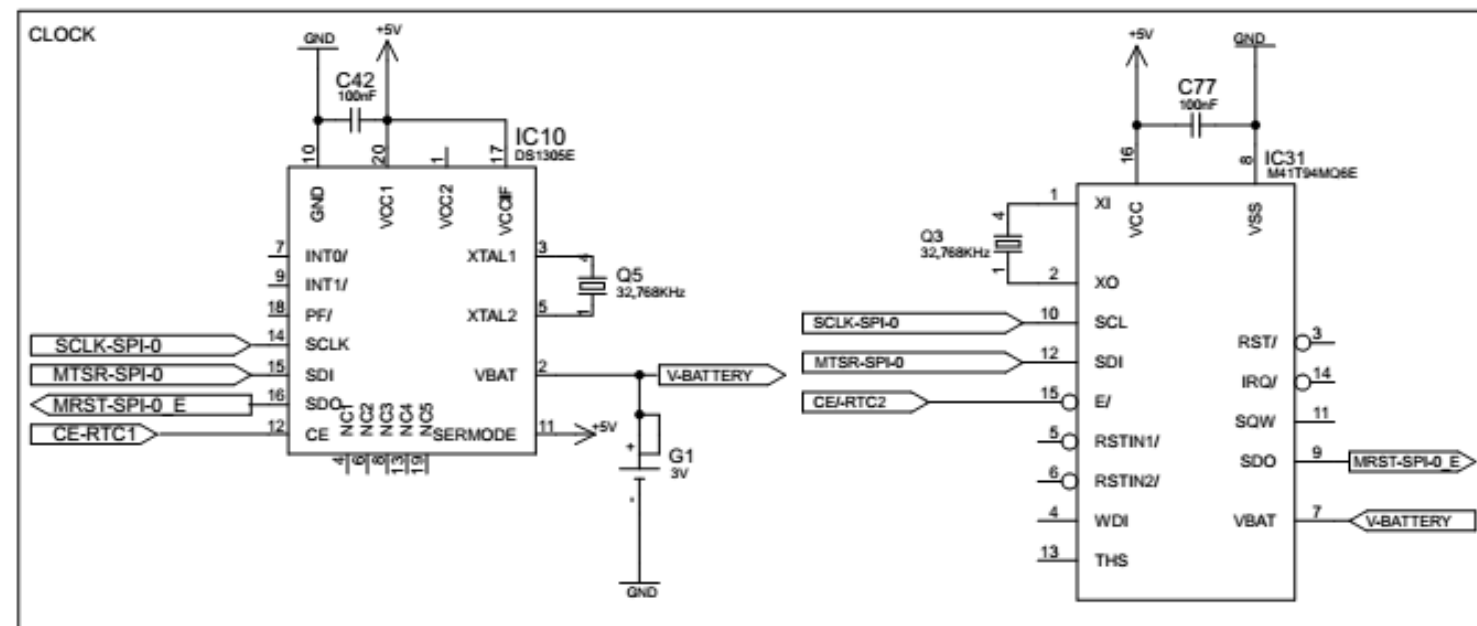
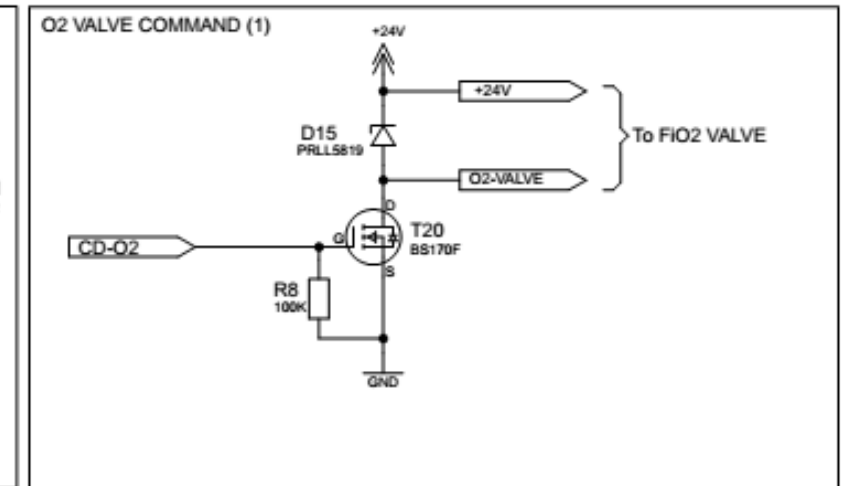
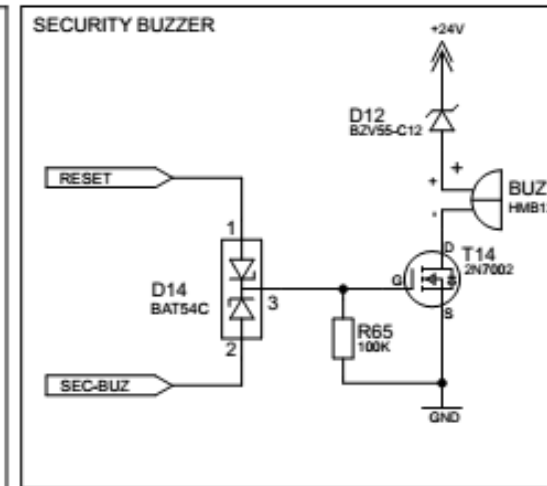
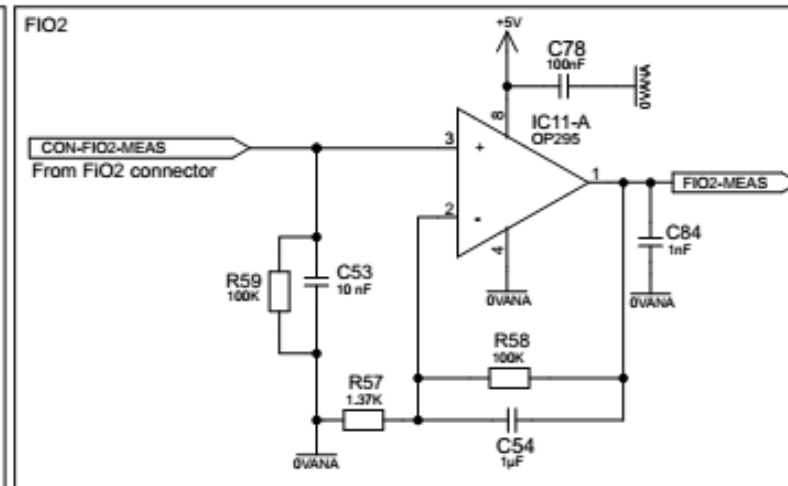
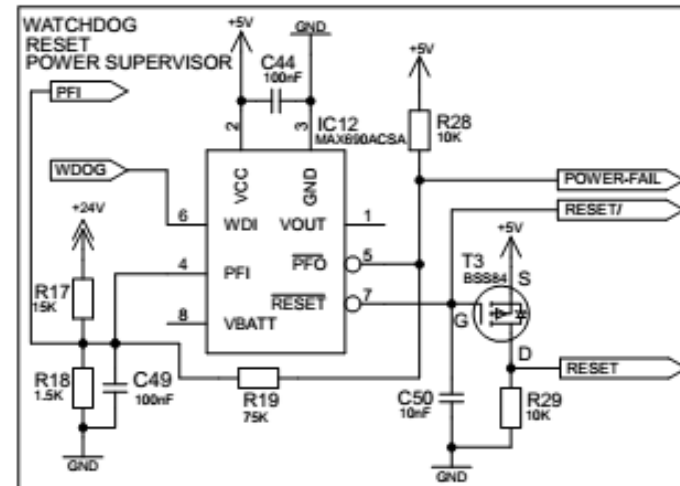
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
SEE SHEET 1.			




Function: MEMORY

 <b>COVIDIEN</b>	SIZE <b>B</b>	MODEL PB560	DWG NO. 10125623	REV <b>A</b>
	SCALE: NONE		Template 10093694 Rev A	SHEET <b>3</b> of <b>8</b>
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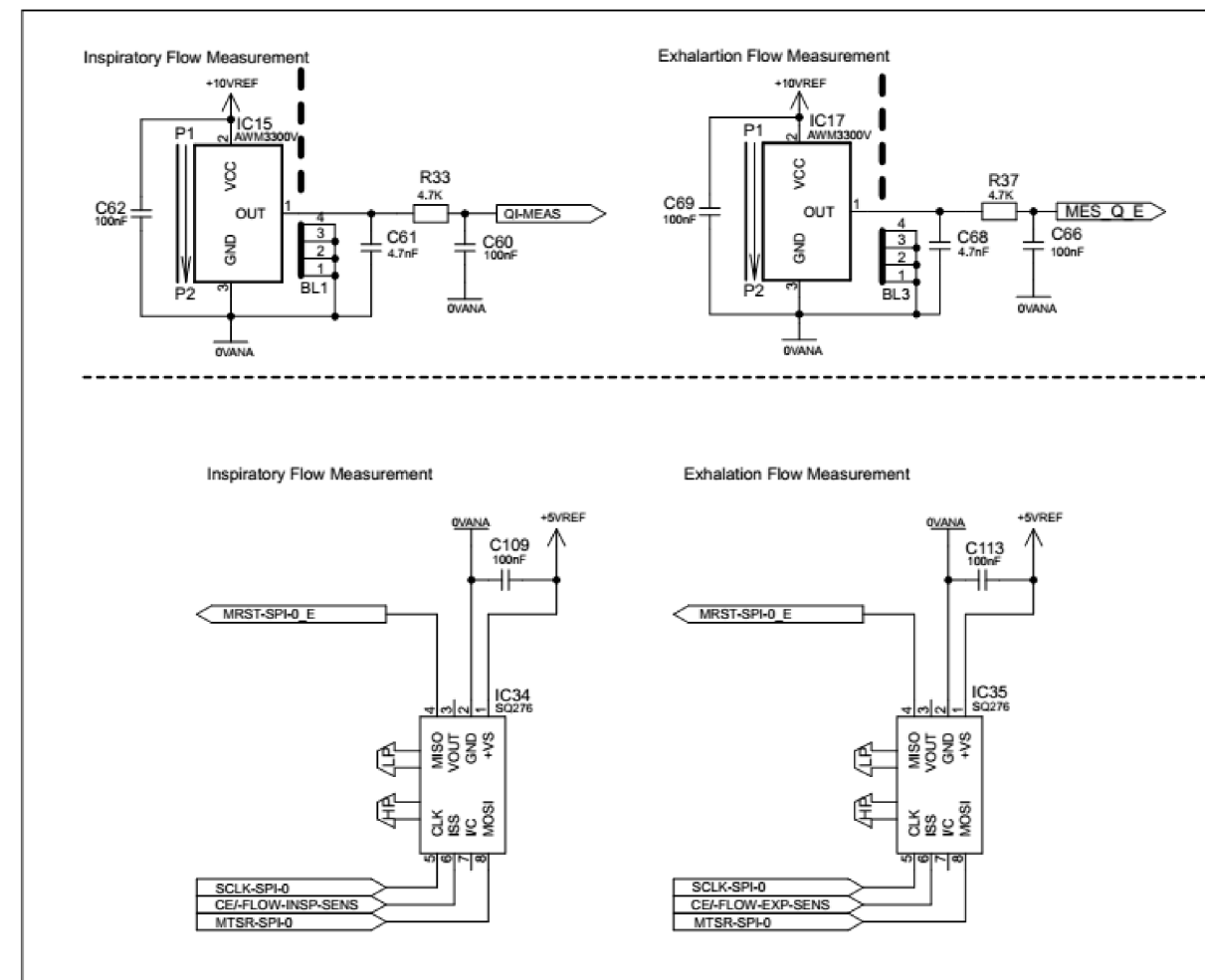
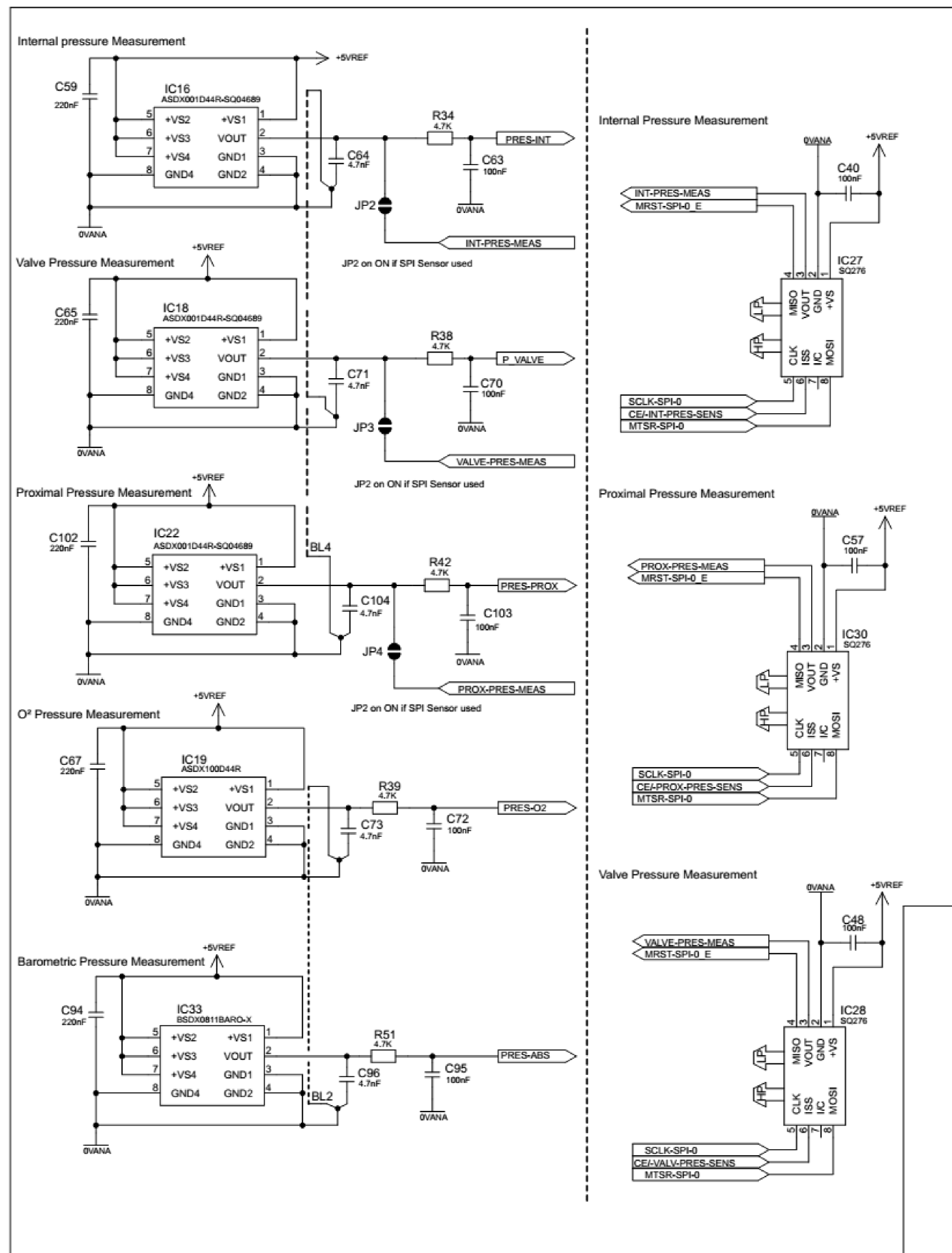
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
SEE SHEET 1.			



Function: RTC & WDT


 COVIDIEN	SIZE	MODEL	DWG NO.	REV.
	B	PB560	10125623	A
SCALE: NONE			Template 10093694 Rev A	SHEET 4 of 8
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	SEE SHEET 1.		



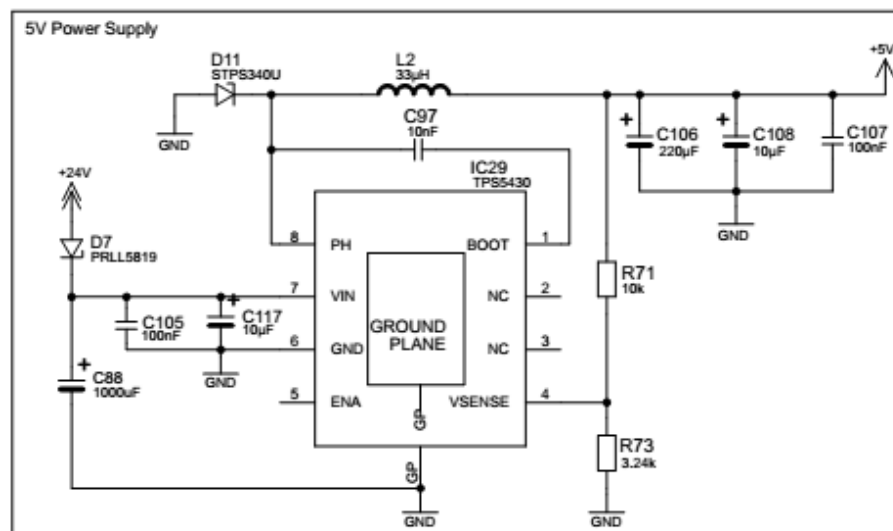
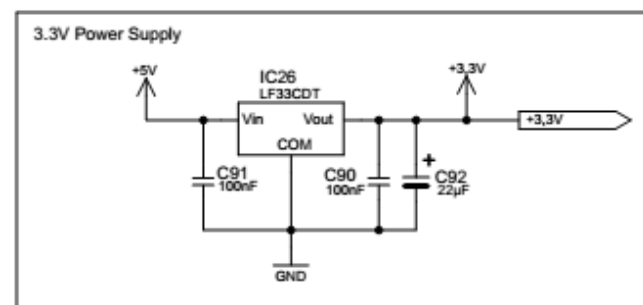
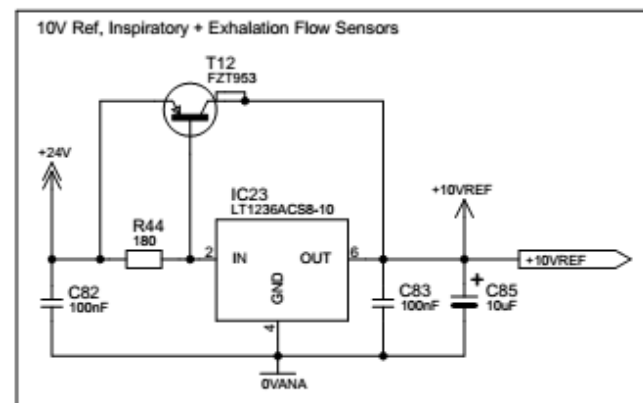
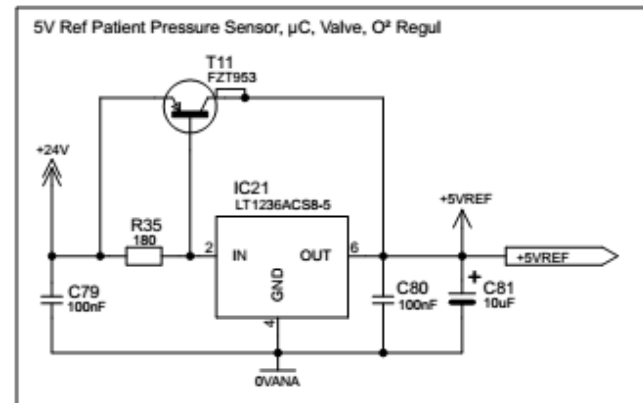
Dual implantation of Analog and Digital sensor: If SPI sensors are used then the equivalent analog sensors will not be wired

**Function: SENSORS**

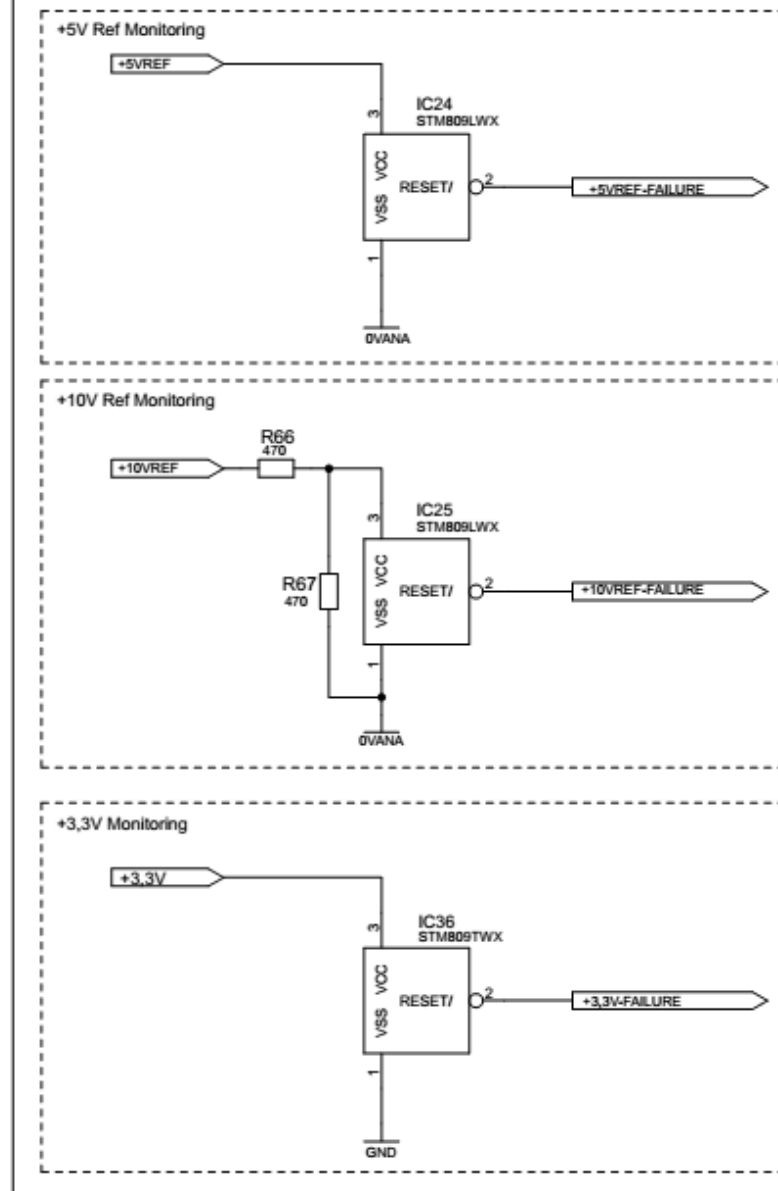
 <b>COVIDIEN</b>	SIZE	MODEL	DWG NO.	REV:
	<b>B</b>	<b>PB560</b>	<b>10125623</b>	<b>A</b>
SCALE: NONE		Template 10093694 Rev A		SHEET 5 of 8
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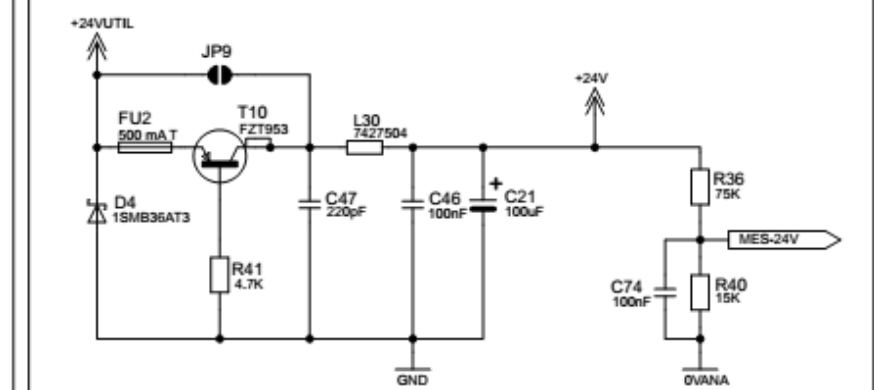
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
SEE SHEET 1.			




## POWER SUPPLY MONITORING



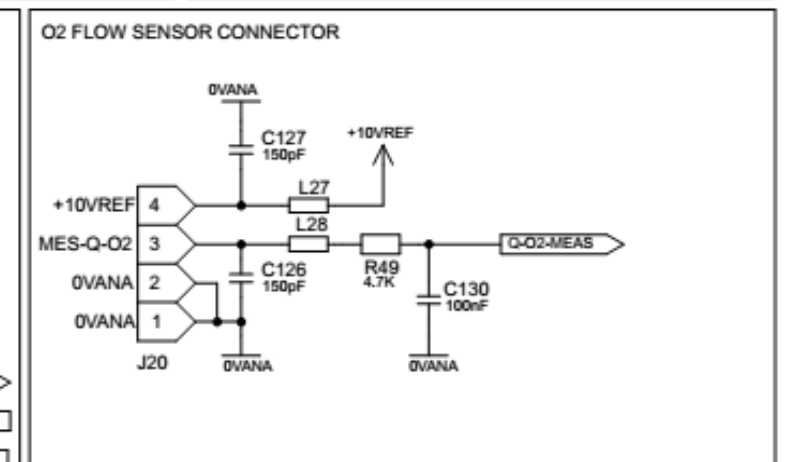
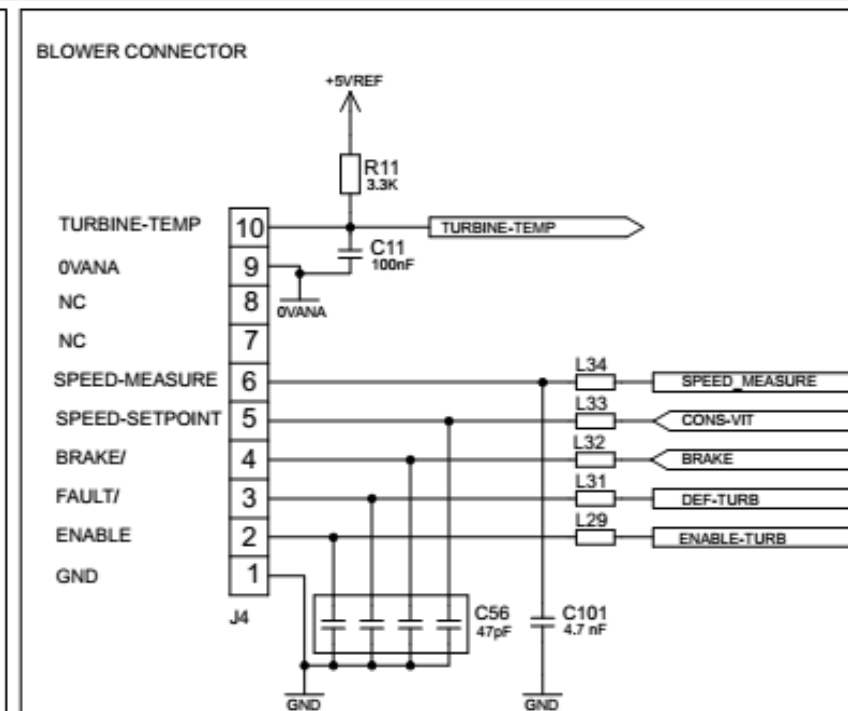
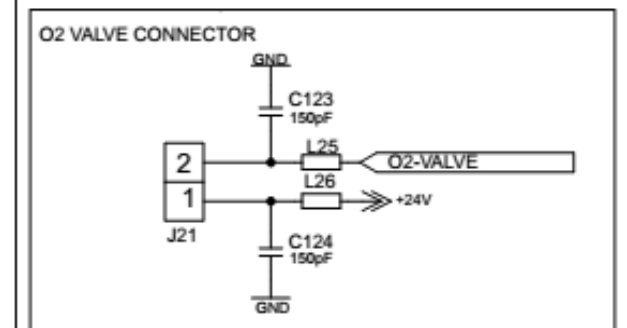
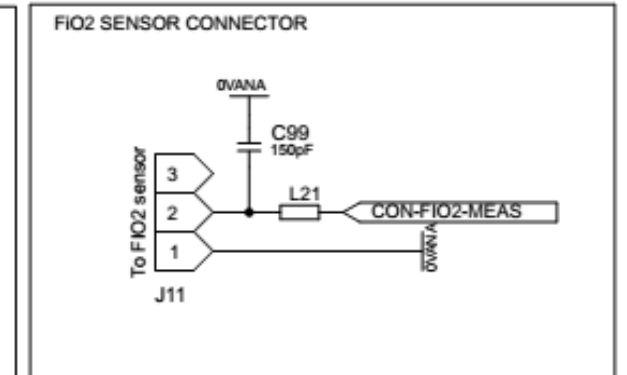
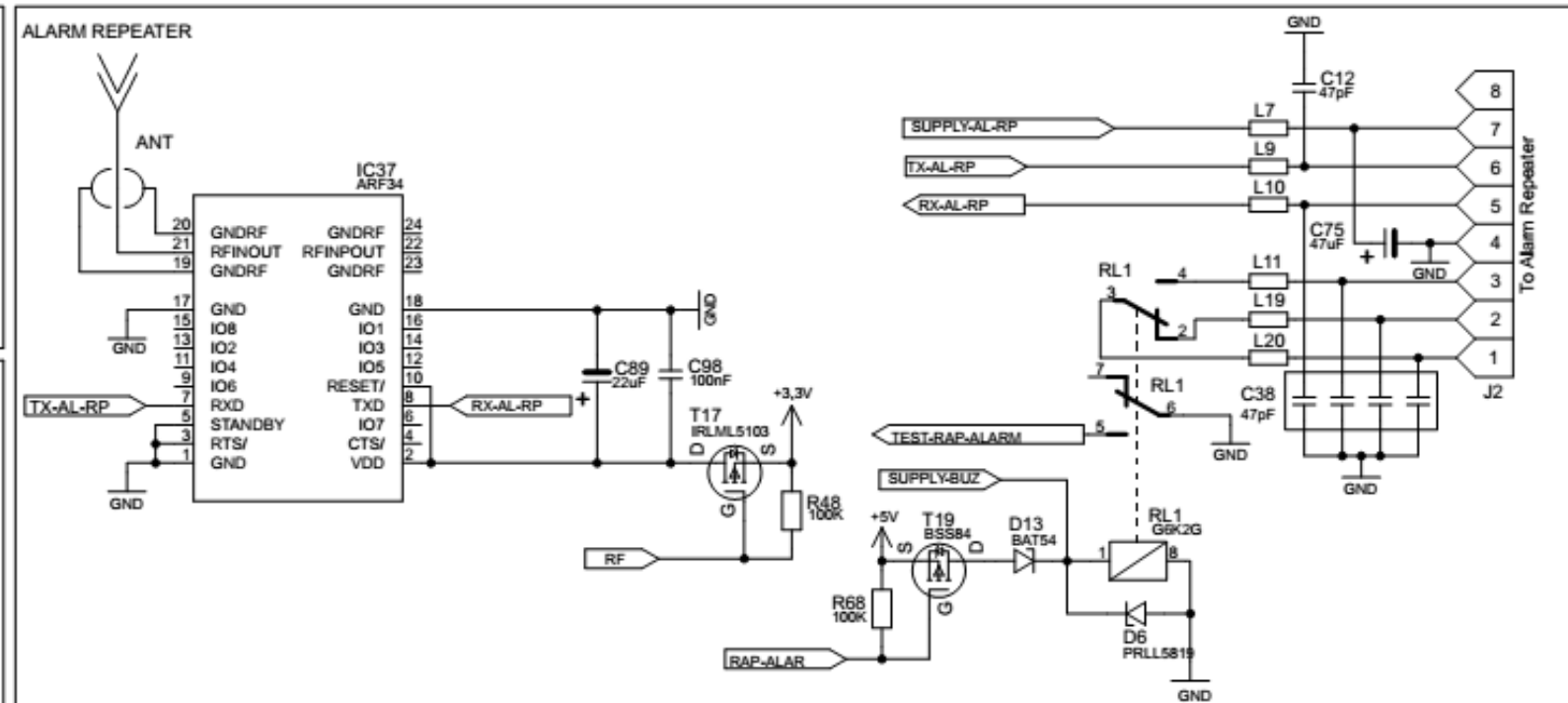
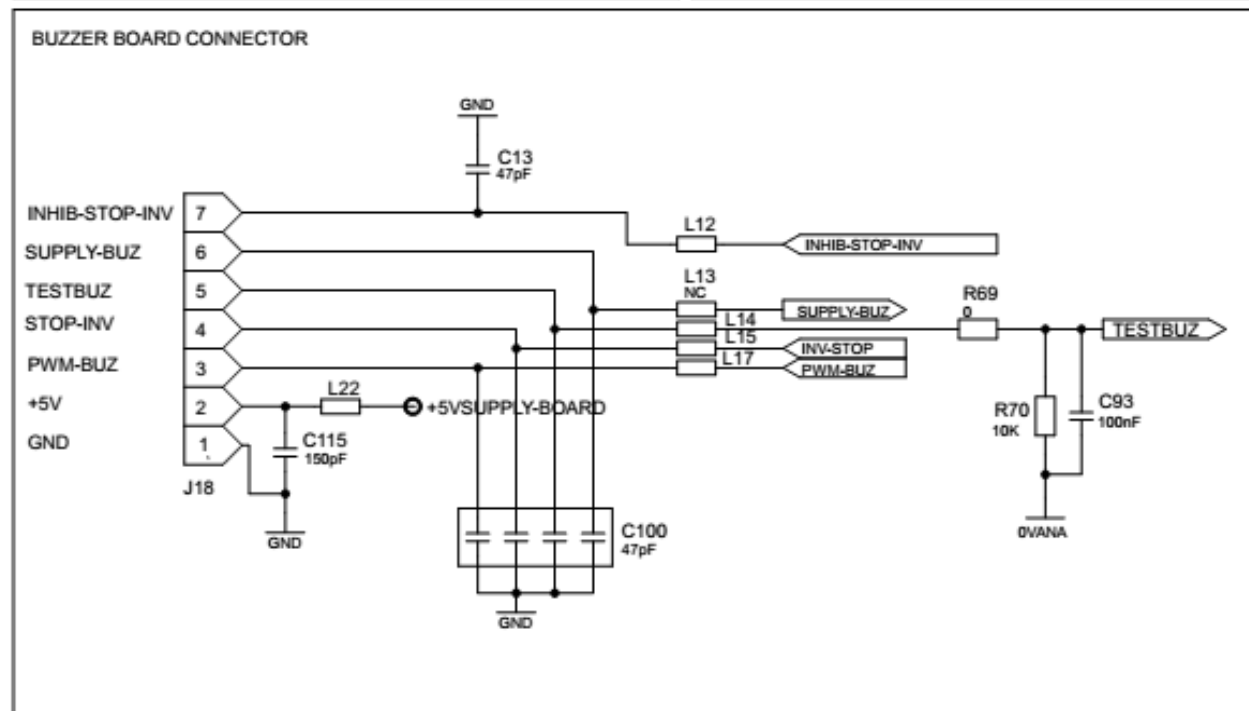
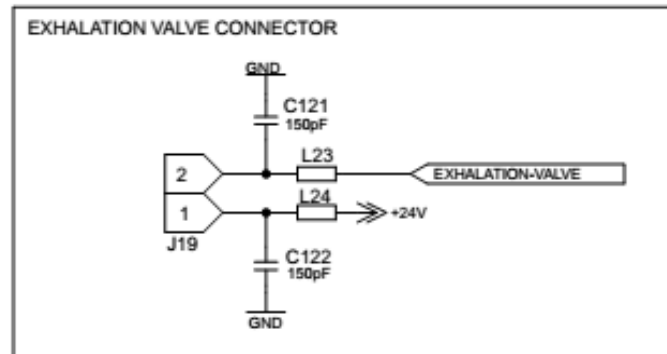
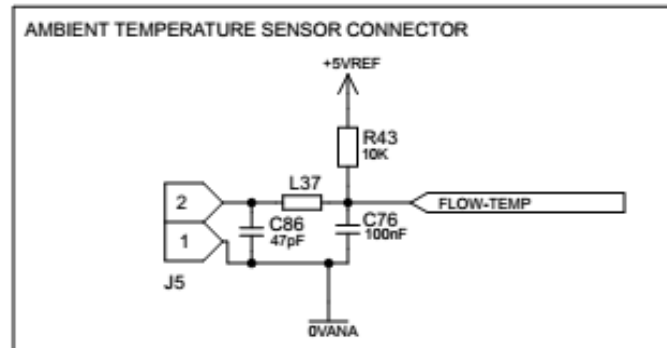
## STARTING CURRENT PROTECTION




Function: POWER

 COVIDIEN	SIZE	MODEL	DWG NO.	REV.
	B	PB560	10125623	A
SCALE: NONE		Template 10093694 Rev A		SHEET 6 of 8
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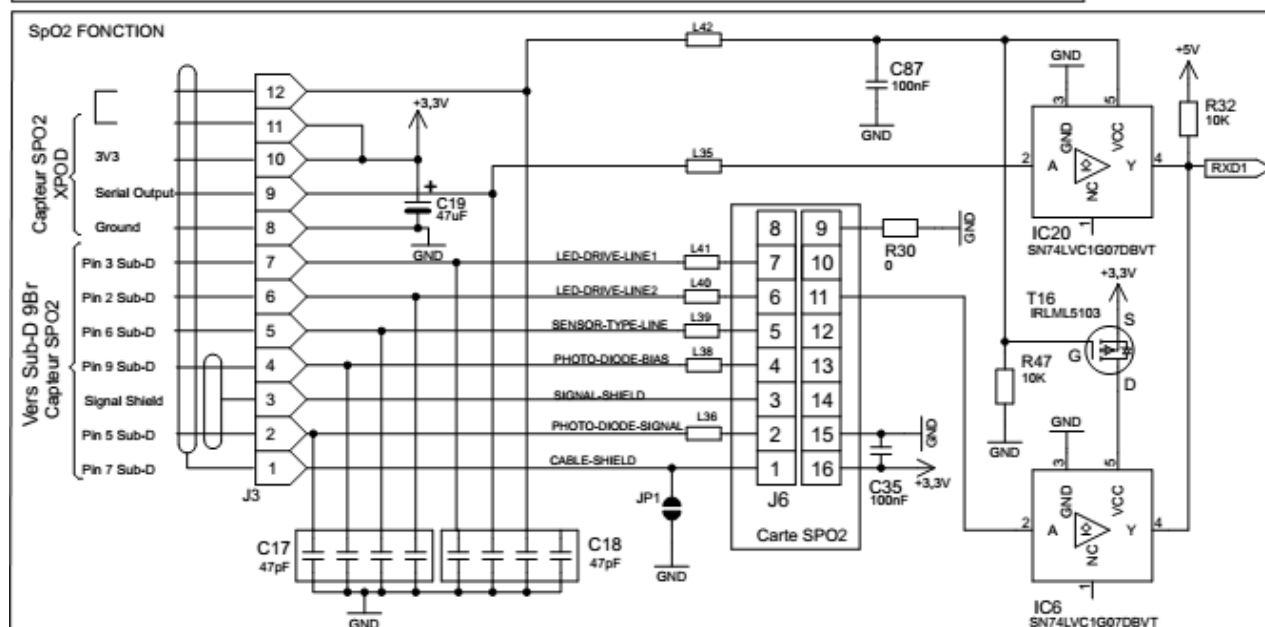
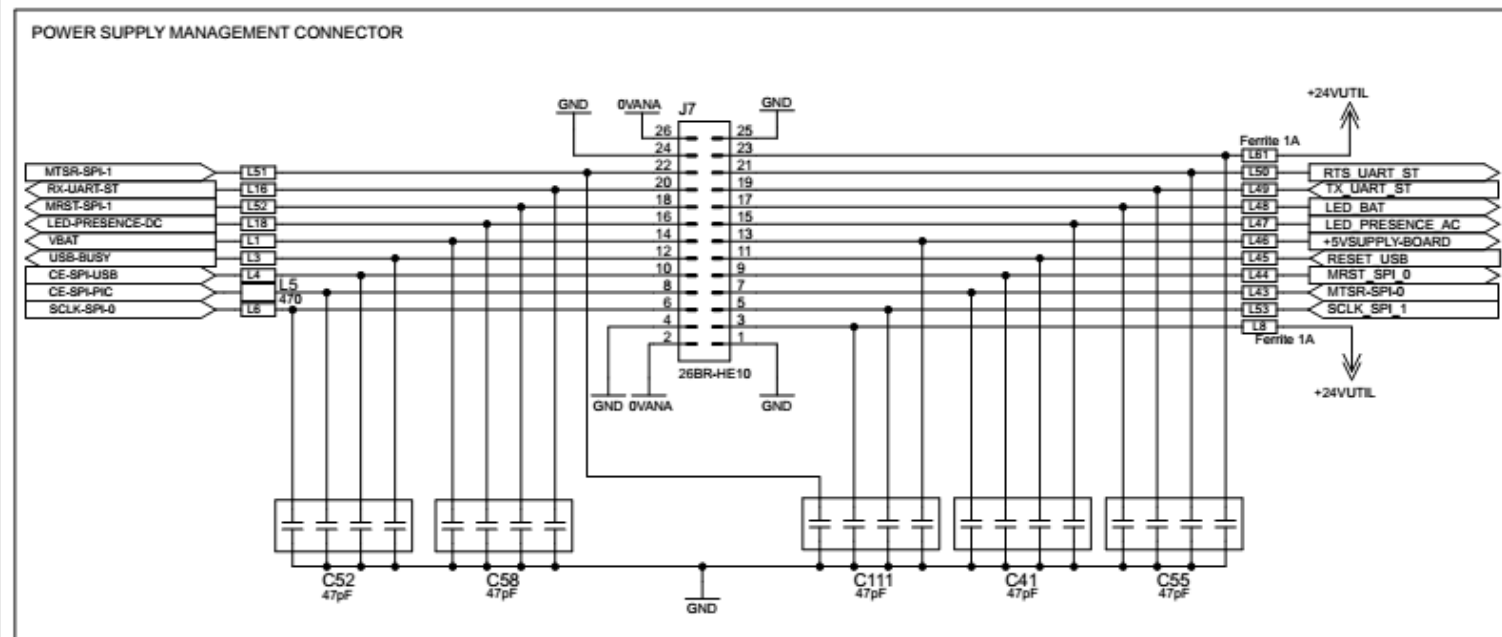
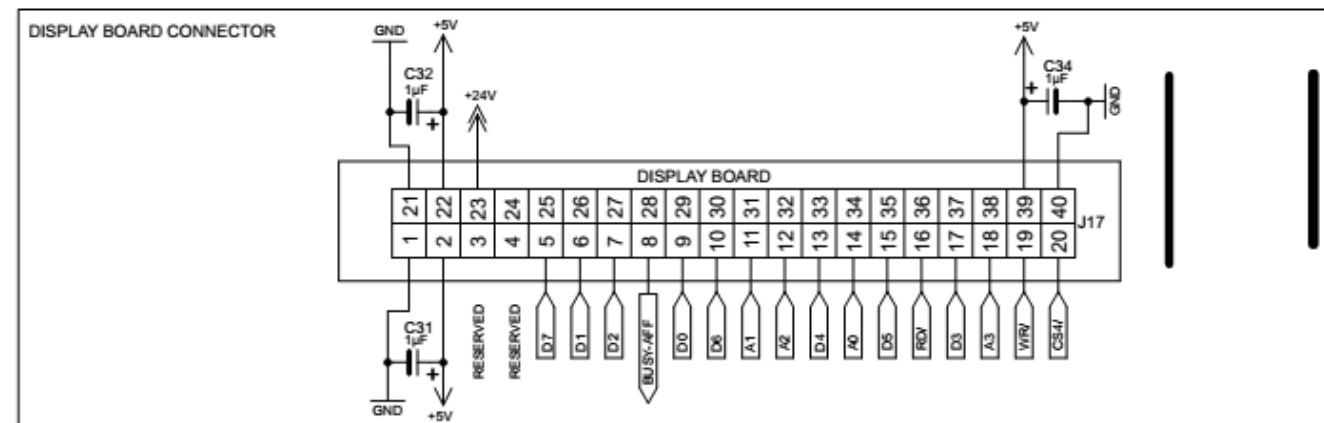
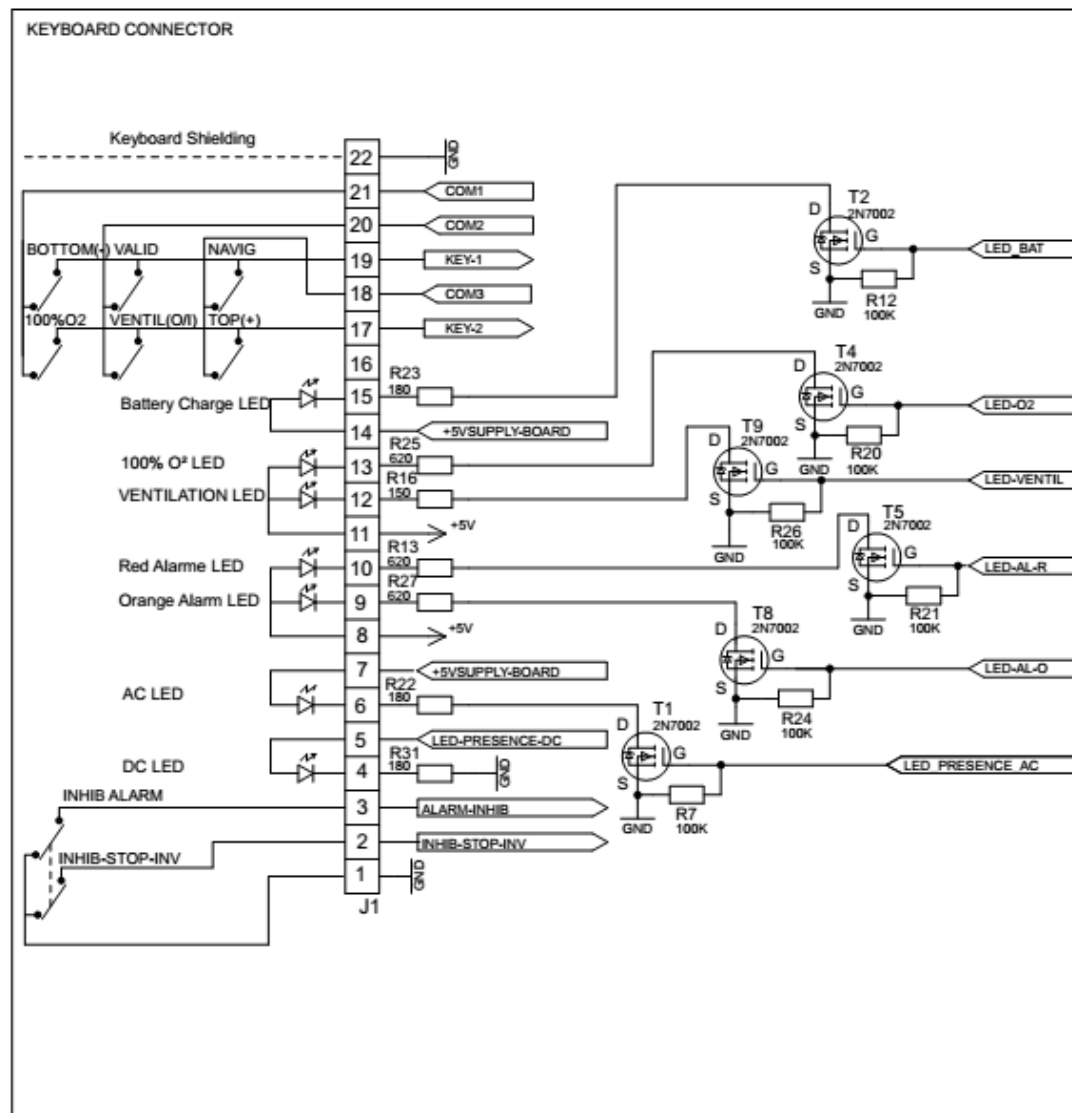
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	SEE SHEET 1.		




Function: CONNECTORS P1

 COVIDIEN	SIZE	MODEL	DWG NO.	REV
	B	PB560	10125623	A
SCALE: NONE		Template 10093694 Rev A		SHEET 7 of 8
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	SEE SHEET 1.		



Function: CONNECTORS P2

 COVIDIEN	SIZE	MODEL	DWG NO.	REV:
	B	PB560	10125623	A
SCALE: NONE		Template 10093694 Rev A		SHEET 8 of 8
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