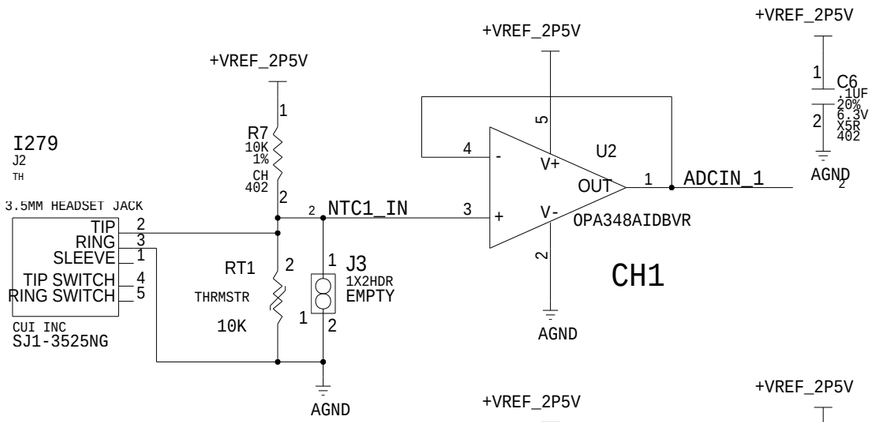
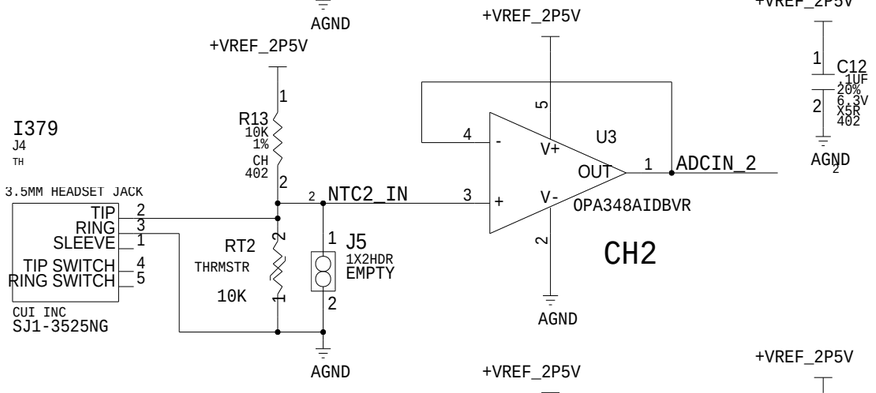
MODULE REV DETAILS		
MODULE NAME	REV	DATE

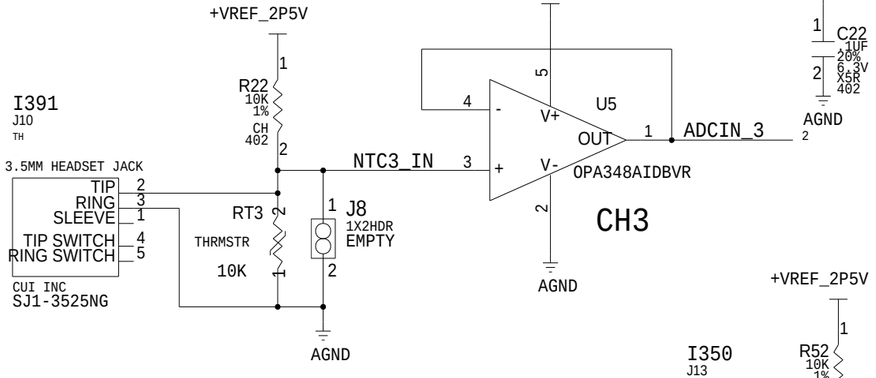
THERMAL CANYON

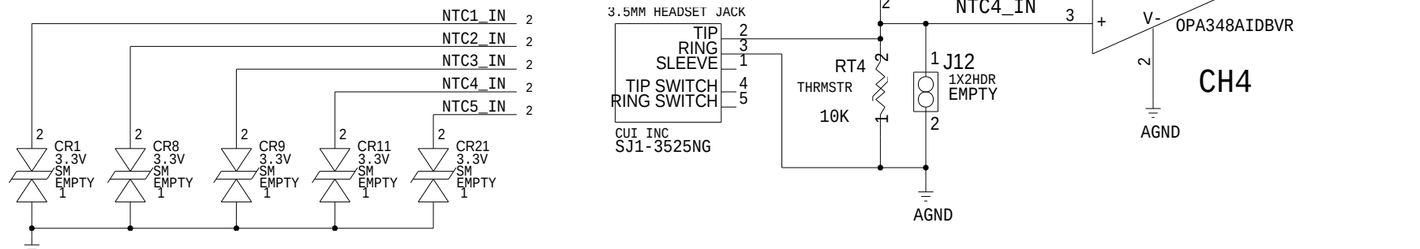
TEMPERATURE SENSOR WITH GSM/GPRS CONNECTIVITY - FAB 2

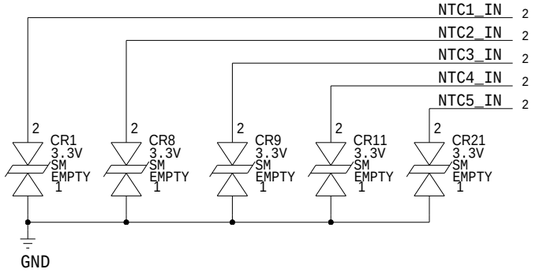
BPAGE DRAWING
temperaturesensor.sch_1.1
Mon Feb 23 15:15:14 2015

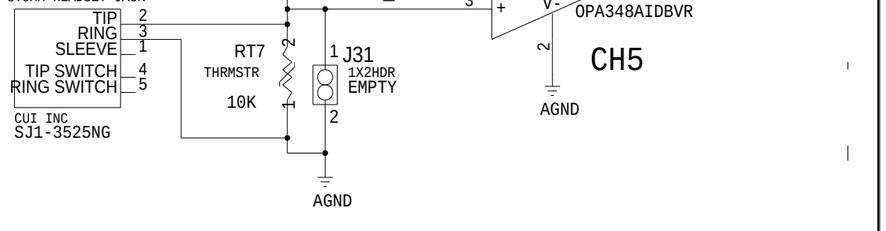


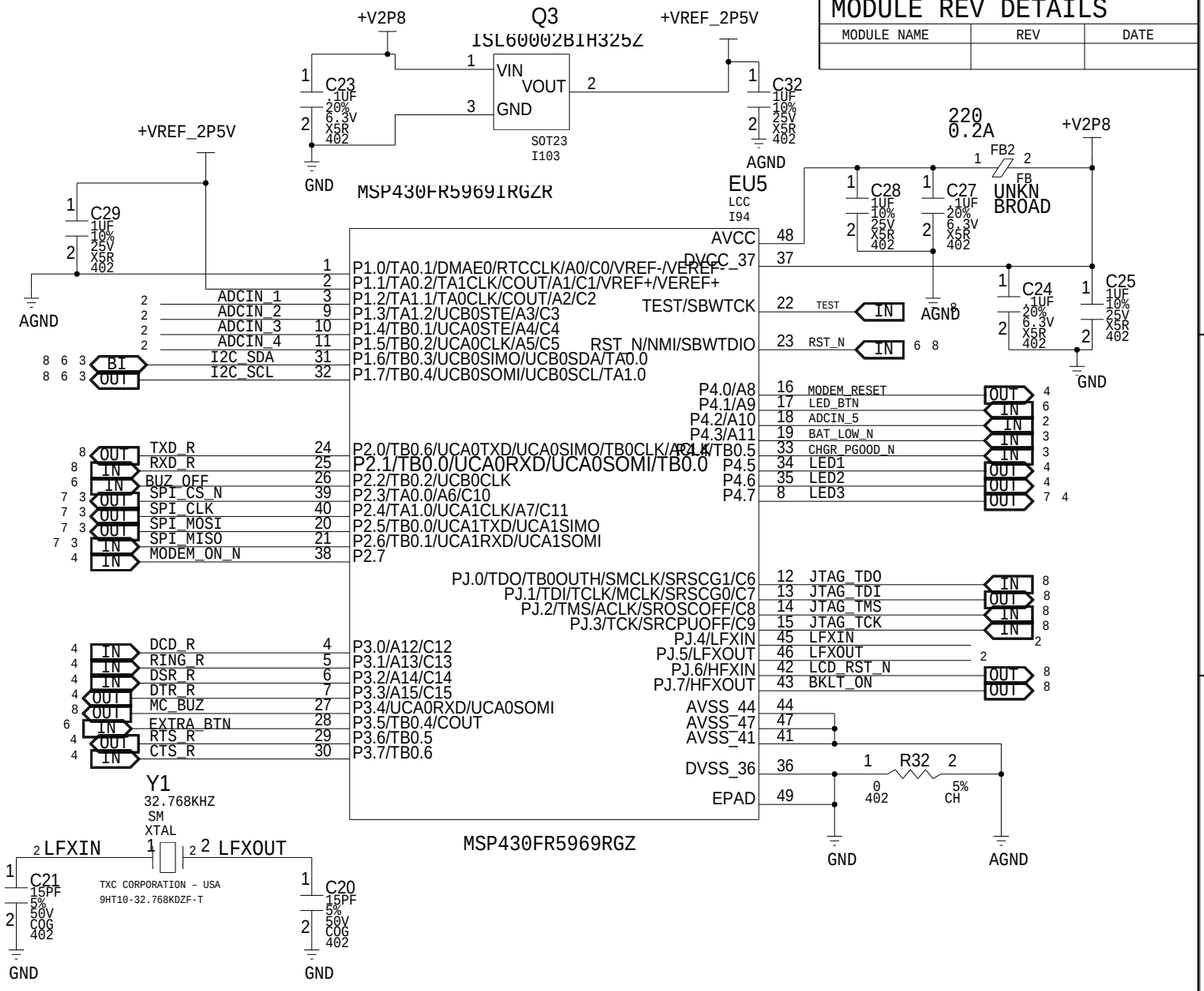












MODULE REV DETAILS

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temperaturesensor.sch_1.2
Mon Feb 23 15:15:45 2015

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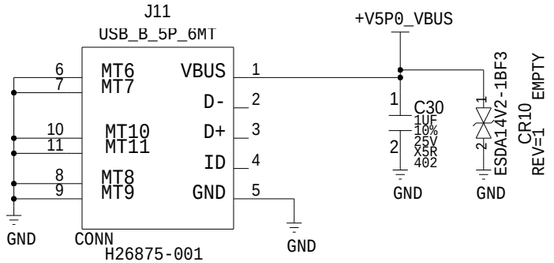
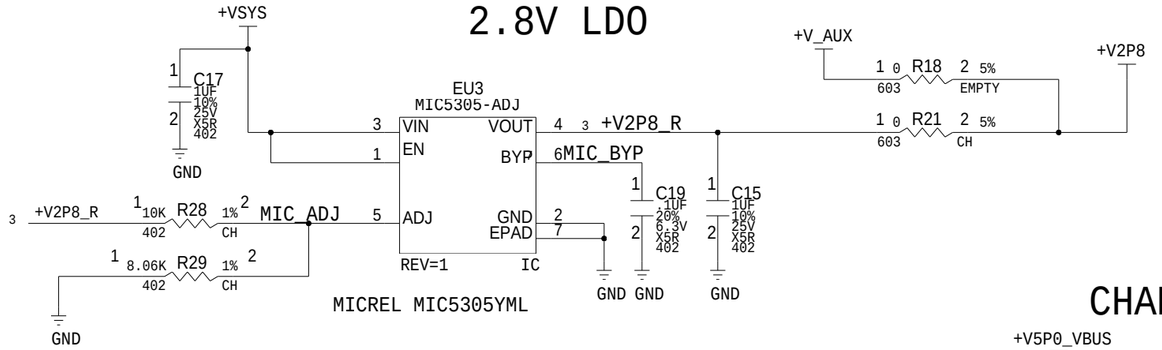
CUSTOM TEXT BPAGE

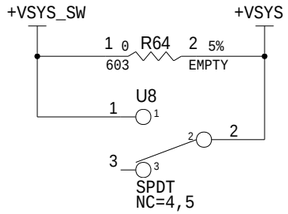
MODULE REV DETAILS		
MODULE NAME	REV	DATE

MICRO B RECEPTACLE

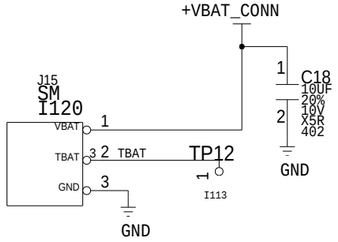


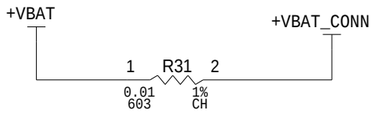
2.8V LDO



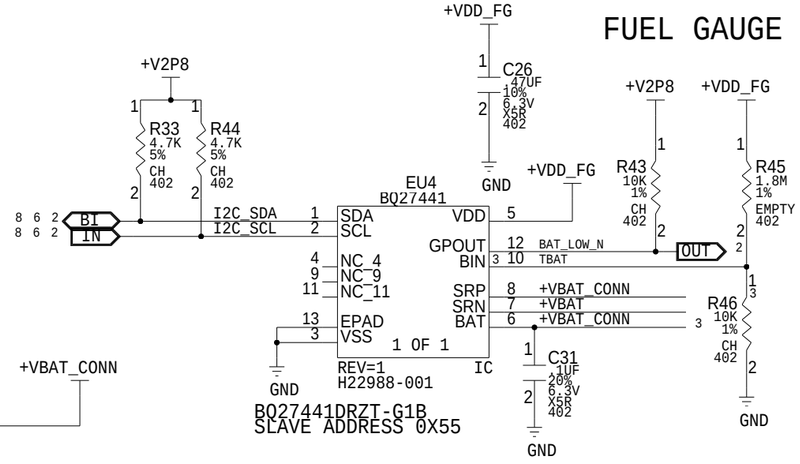


BATTERY CONNECTOR

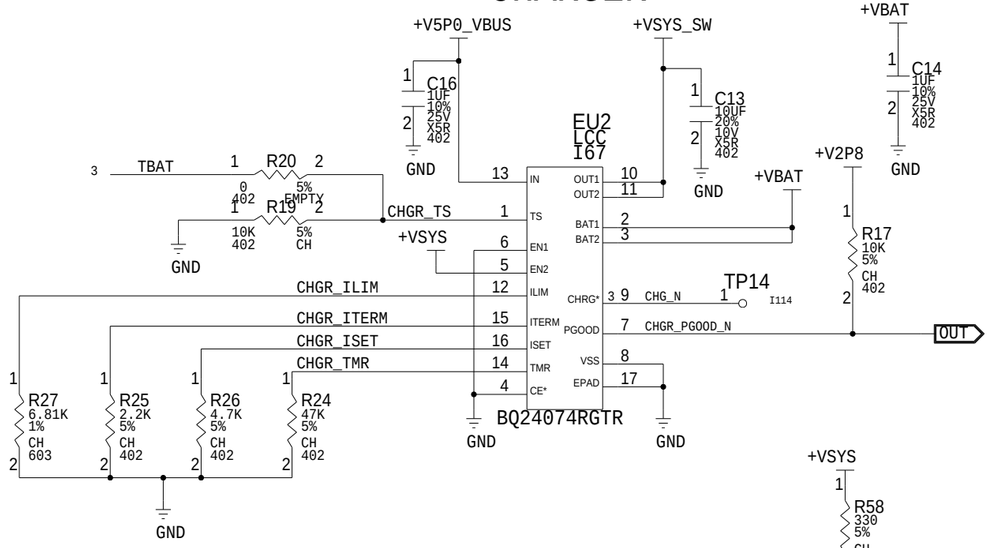


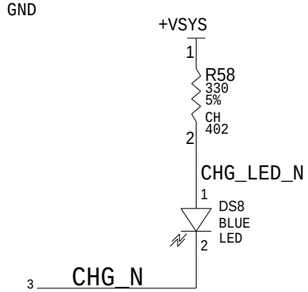


FUEL GAUGE



CHARGER

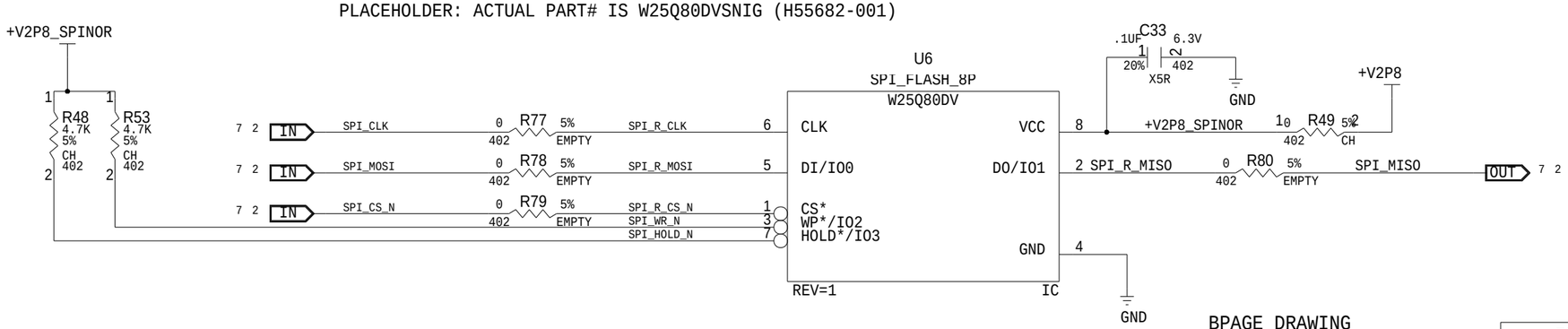




OSRAM OPTO - LAL296-Q2R2
(ORANGE)

SPI NOR FOR STORAGE

PLACEHOLDER: ACTUAL PART# IS W25Q80DVSNIG (H55682-001)



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temperaturesensor.sch_1.3
Mon Feb 23 15:15:45 2015

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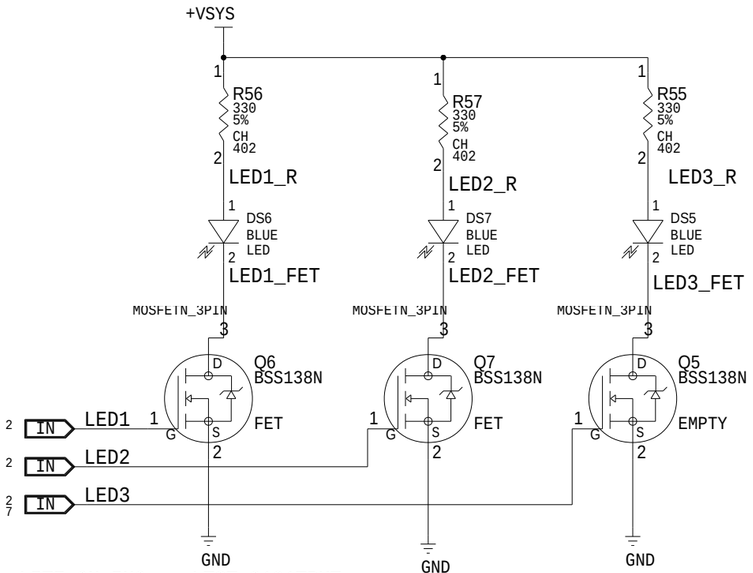
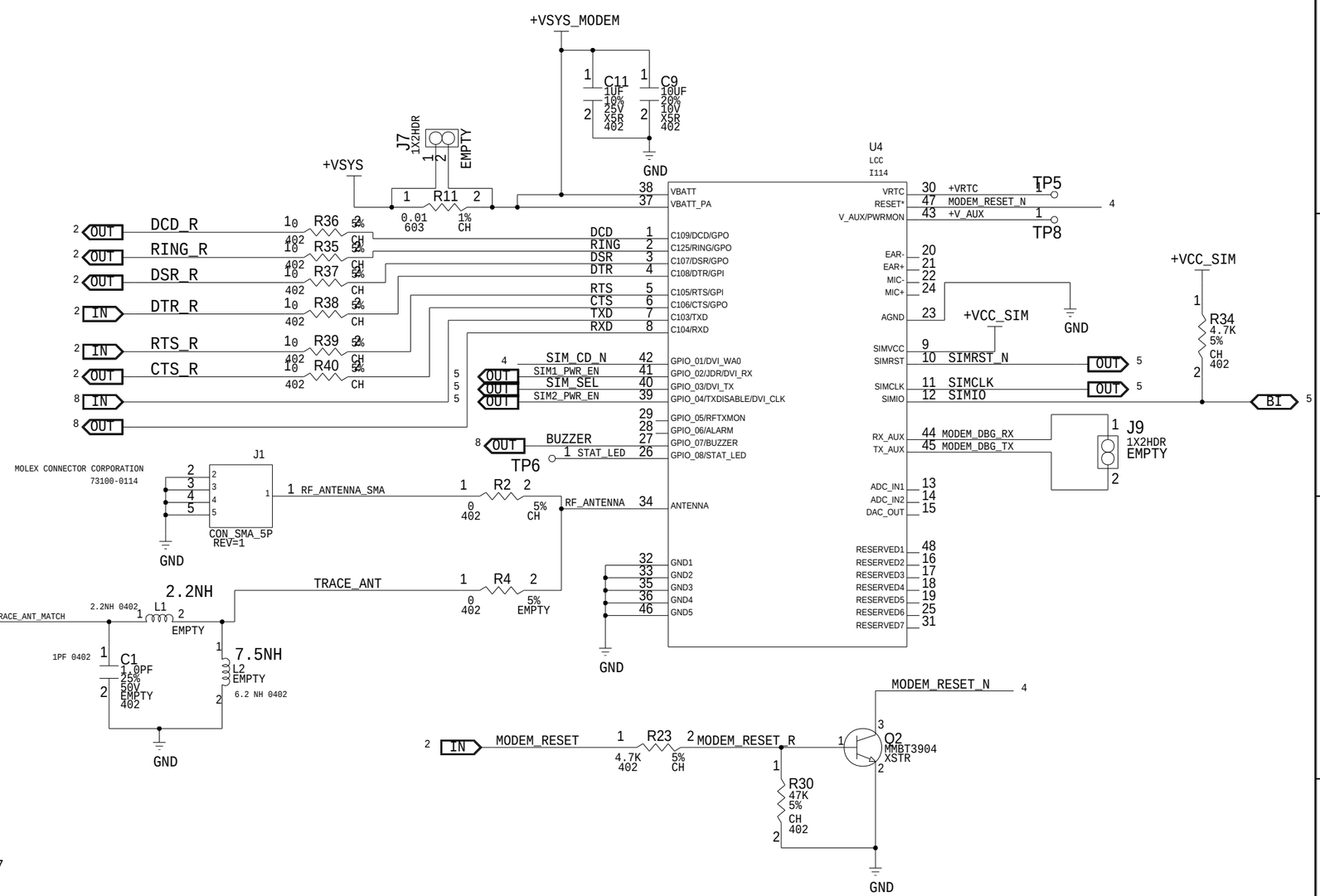
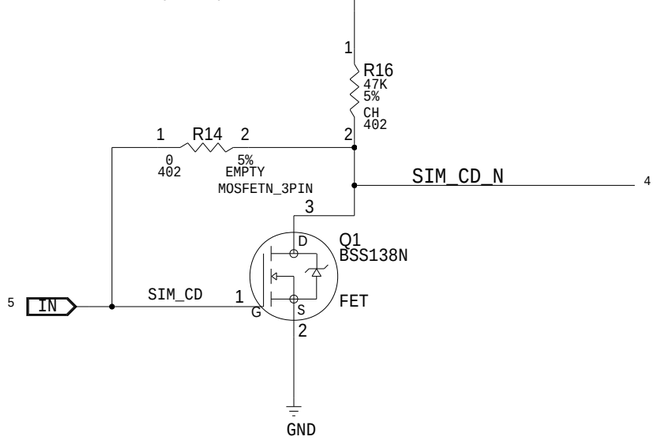
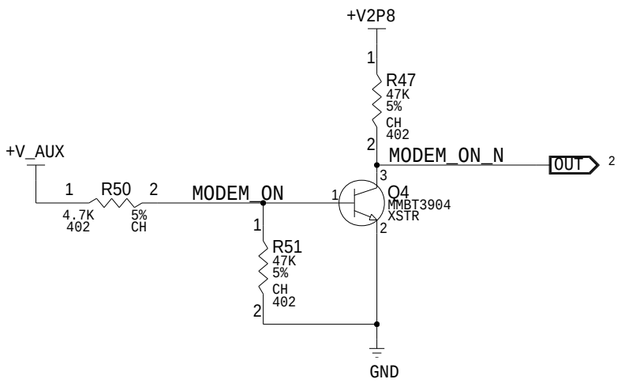
MODULE REV DETAILS		
MODULE NAME	REV	DATE









BPAGE DRAWING
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Mon Feb 23 15:15:46 2015

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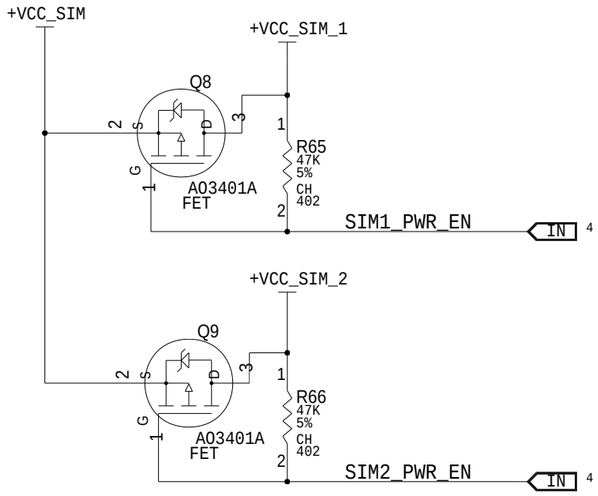
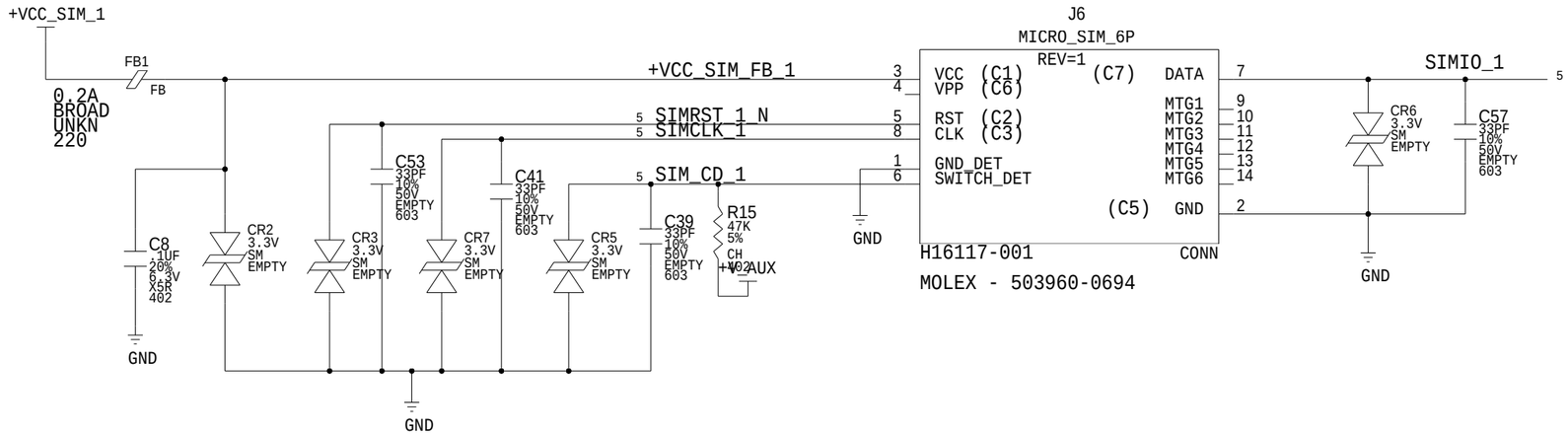
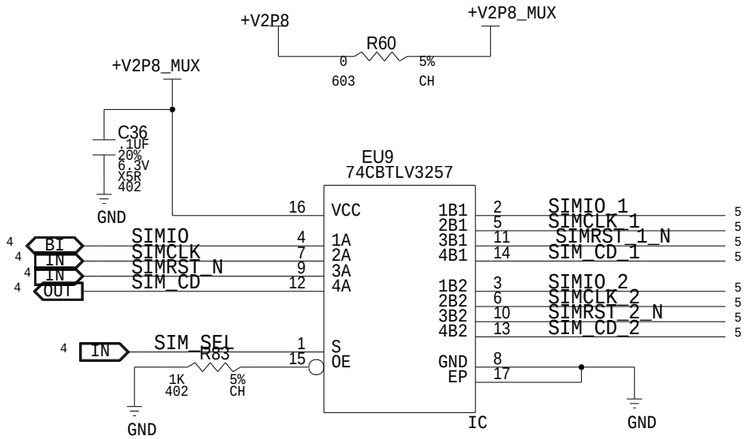
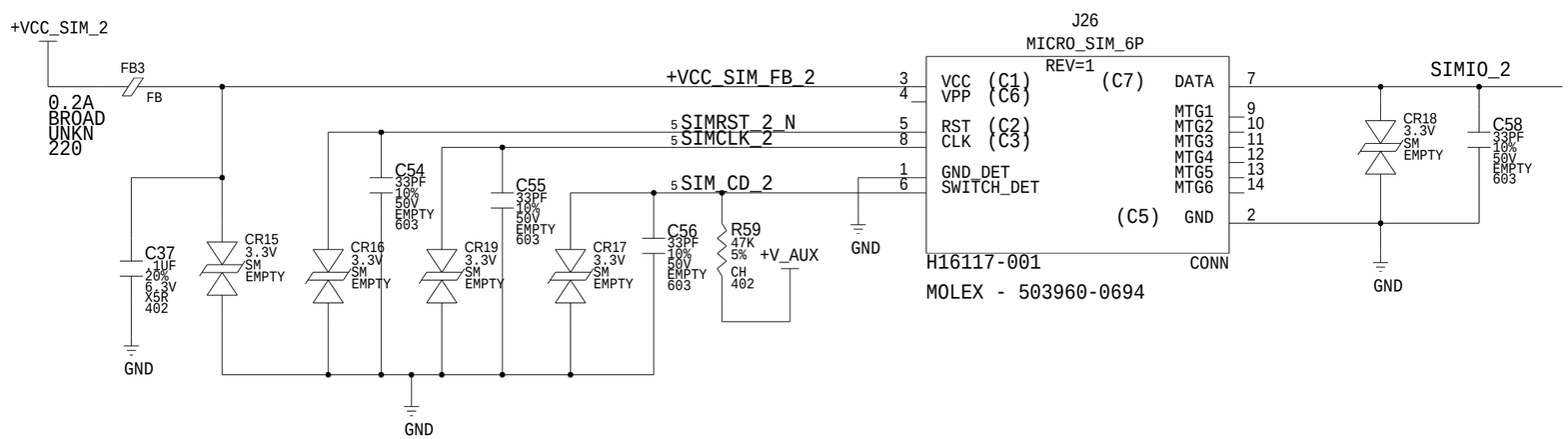
MODULE REV DETAILS		
MODULE NAME	REV	DATE









SIM_SEL	SIM_SEL
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1	SIM2

BPAGE DRAWING
temperaturesensor.sch_1.5
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INTEL CONFIDENTIAL	DOCUMENT_NUMBER	PAGE	REV
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MODULE REV DETAILS

MODULE NAME	REV	DATE

+V3P3

C2 10UF 20% 10V X5R 402

C3 1UF 20% 6.3V X5R 402

GND

U1
MAX6958
REV=1

16	VP	DIG0/SEG0	4
		DIG1/SEG1	5
		DIG2/SEG2	6
		DIG3/SEG3	7
		SEG4	11
		SEG5	12
		SEG6	13
		SEG7	14
		SEG8	15
		SEG9	3
1	SDA		
2	SCL		
9	INPUT1		
10	INPUT2		
8	GND		

8 3 2 BI — I2C_SDA — 1 SDA
8 3 2 IN — I2C_SCL — 2 SCL

I135
TP1 1 LED_INP1 — 9 INPUT1
I136
TP2 1 LED_INP2 — 10 INPUT2

GND

E87021-001

IC
MAX6958AAEE+
SLAVE ADDRESS 0X38

LED_SEG4 — 6
LED_SEG5 — 6
LED_SEG6 — 6
LED_SEG7 — 6
LED_SEG8 — I127 — 6
LED_SEG9 — 1 TP16

+V3P3

R6 10K 5% EMPTY 402
R5 10K 5% EMPTY 402
R3 10K 5% EMPTY 402
R1 10K 5% EMPTY 402

6 LED_SEG3
6 LED_SEG2
6 LED_SEG1
6 LED_SEG0

DS1 DIGIT 0
DS2 DIGIT 1
DS3 DIGIT 2
DS4 DIGIT 3

DP CT COM

1 OF 1 REV1 IC

A B C D E F G

7 6 4 2 1 9 10

D24357-002

KINGBRIGHT - ACSC02-41CGKWA-F01

6 LED_SEG8
6 LED_SEG7
6 LED_SEG6
6 LED_SEG5
6 LED_SEG4
6 LED_SEG3
6 LED_SEG2
6 LED_SEG1
6 LED_SEG0

BUZZER OFF
E-SWITCH - TL3304AF160QJ

+V2P8

R81 47K 5% CH 402

SW3 — BUZ_OFF — OUT 2

C51 2200PF 10% 50V X5R 402

CR22 3.3V SM EMPTY

GND

EXTRA BUTTON
E-SWITCH - TL3304AF160QJ

+V2P8

R82 47K 5% CH 402

SW4 — EXTRA_BTN — OUT 2

C52 2200PF 10% 50V X5R 402

CR23 3.3V SM EMPTY

GND

BUTTON FOR SWITCHING CHANNELS
E-SWITCH - TL3304AF160QJ

+V2P8

R12 47K 5% CH 402

SW1 — LED_BTN — OUT 2

C10 2200PF 10% 50V X5R 402

CR4 3.3V SM EMPTY

GND

BUTTON FOR RESET
E-SWITCH - TL3304AF160QJ

+V2P8

R54 47K 5% CH 402

SW2 — RST_N — OUT 8 2

C35 2200PF 10% 50V X5R 402

CR12 3.3V SM EMPTY

GND

+VSYS

C5 1UF 10% 25V X5R 402

GND

EU1
MIC5305-ADJ

3	VIN	VOUT	4
1	EN	BYP	6+V3P3_BYP
5	ADJ	GND	2
		EPAD	7

REV=1 IC

+V3P3_R — R8 0 603 5% CH — +V3P3

C7 1UF 20% 6.3V X5R 402

C4 1UF 10% 25V X5R 402

GND GND

6 +V3P3_R — R10 10K 1% 402 CH — +V3P3_ADJ

R9 6.04K 1% 402 CH

GND

MICREL MIC5305YML

GND TEST POINTS

I143 TP13
I142 TP10
I144 TP7
I145 TP4
I146 TP11
I147 TP9

GND

MOUTING HOLES

MTG2 RC2_MTG_HOLE NC9 9 EMPTY GND=1,2,3,4,5,6,7,8

MTG1 RC2_MTG_HOLE NC9 9 EMPTY GND=1,2,3,4,5,6,7,8

MTG3 RC2_MTG_HOLE NC9 9 EMPTY GND=1,2,3,4,5,6,7,8

MTG4 RC2_MTG_HOLE NC9 9 EMPTY GND=1,2,3,4,5,6,7,8

GND

BPAGE DRAWING
temperaturesensor.sch_1.6
Mon Feb 23 15:15:46 2015

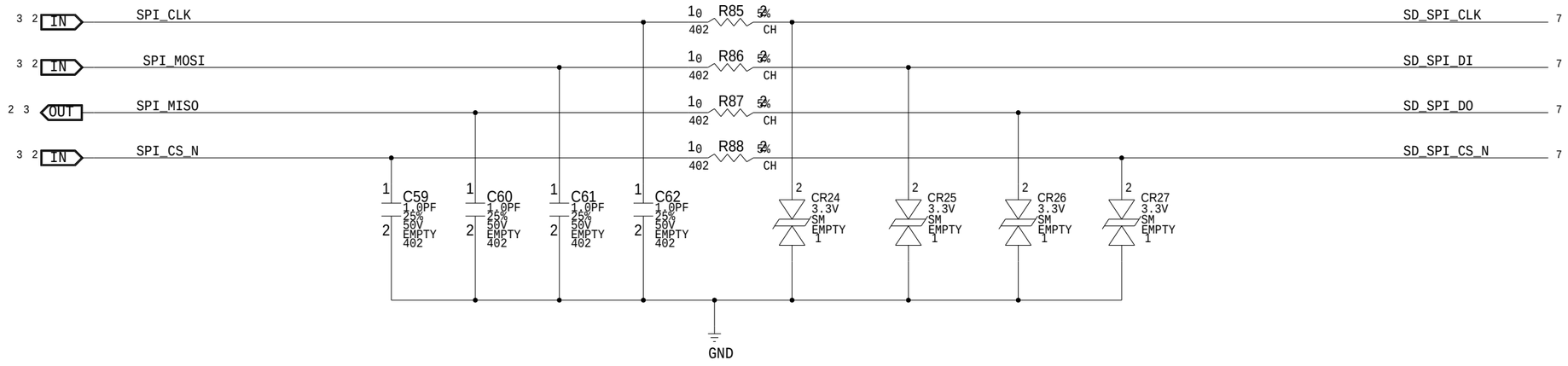
INTEL CONFIDENTIAL	DOCUMENT_NUMBER	PAGE	REV
	<DOCUMENT_NUMBER>	6	<REV>

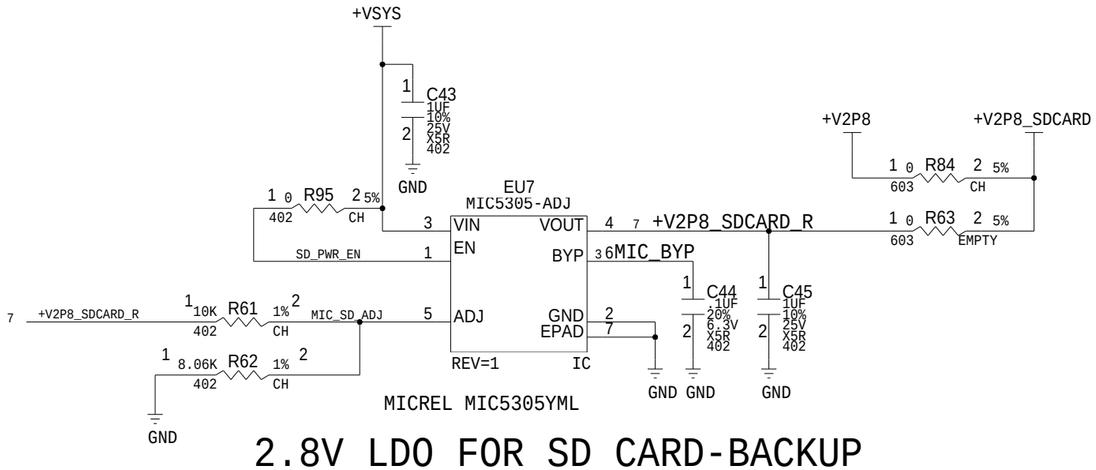
CUSTOM TEXT BPAGE

MODULE REV DETAILS		
MODULE NAME	REV	DATE

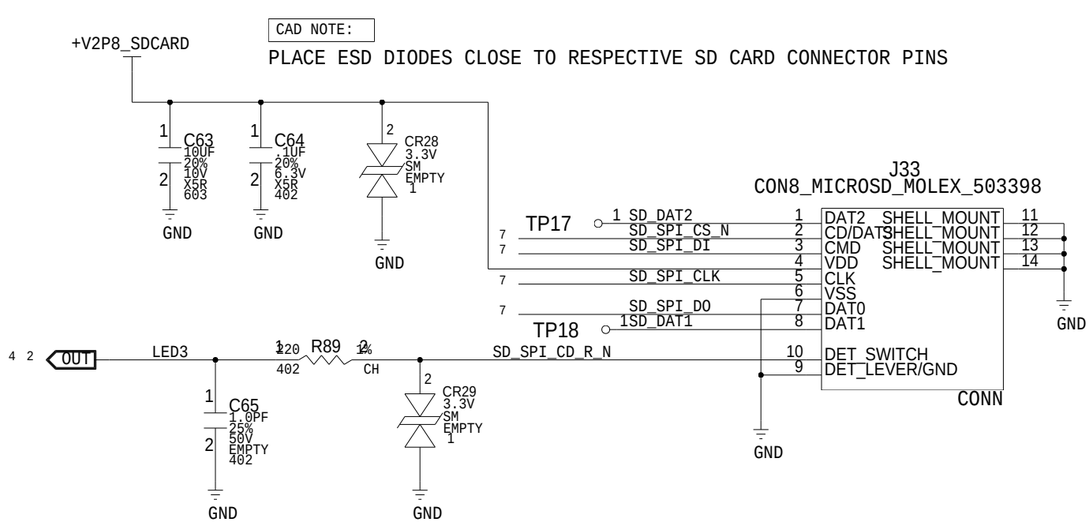
MICRO SDCARD CONNECTOR

SD CARD IN SPI MODE





2.8V LDO FOR SD CARD-BACKUP



NOTE: IN SPI MODE, IF CURRENT IS 100MA OR LESS,
REMOVE THIS REGULATOR AND USE +V2P8(DEFAULT).

NOTE: IN SPI MODE IS 2.8V OK?

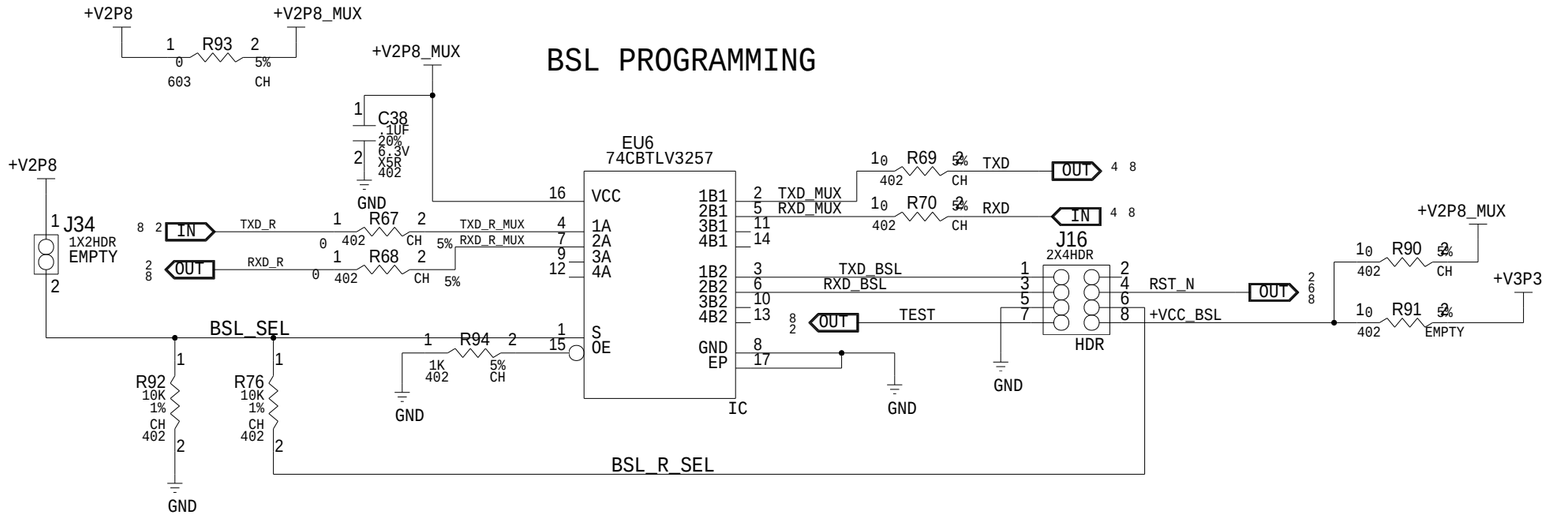
BPAGE DRAWING
temperaturesensor.sch_1.7
Mon Feb 23 15:15:46 2015

INTEL CONFIDENTIAL	DOCUMENT_NUMBER <DOCUMENT_NUMBER>	PAGE 7	REV <REV>

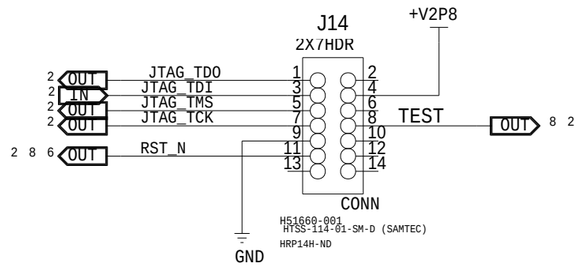
CUSTOM TEXT BPAGE

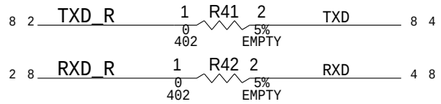
MODULE REV DETAILS		
MODULE NAME	REV	DATE

BSL PROGRAMMING

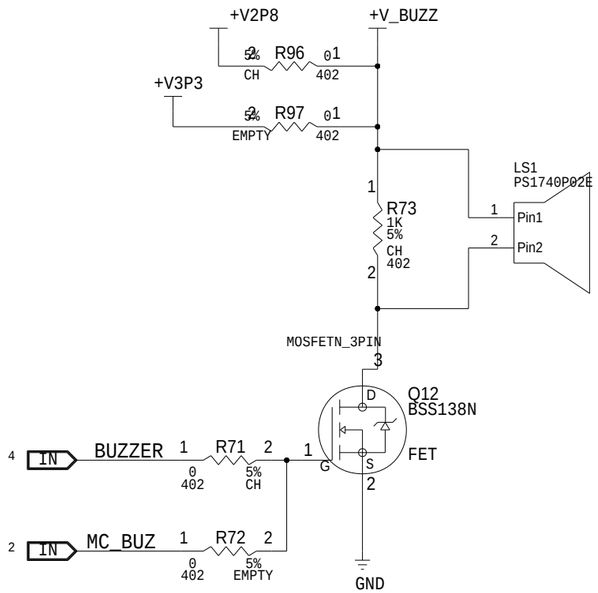


MSP430 JTAG CONNECTOR

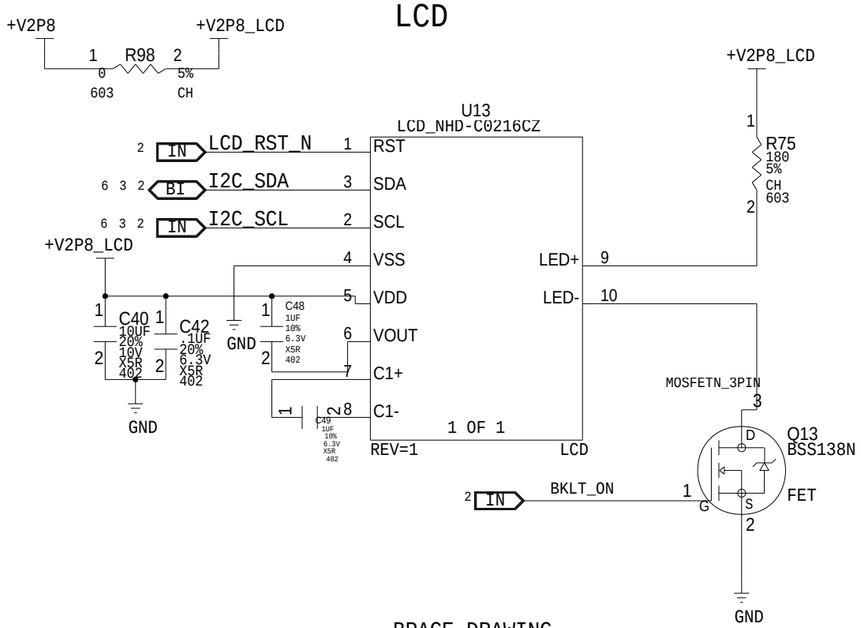




BUZZER



LCD



BPAGE DRAWING
temperatureresensor.sch_1.8
Mon Feb 23 15:15:46 2015

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