PROJECT NAME : ELIC1
GOOGLE PROJECT NAME: PANTHEON
PCB NO : LS-G741P

Compal Confidential

Schematic Document

Pantheon

ELIC1 TYPE-C PD & SENSOR & CARD READER DB

Rev: 1.0

2018.07.13

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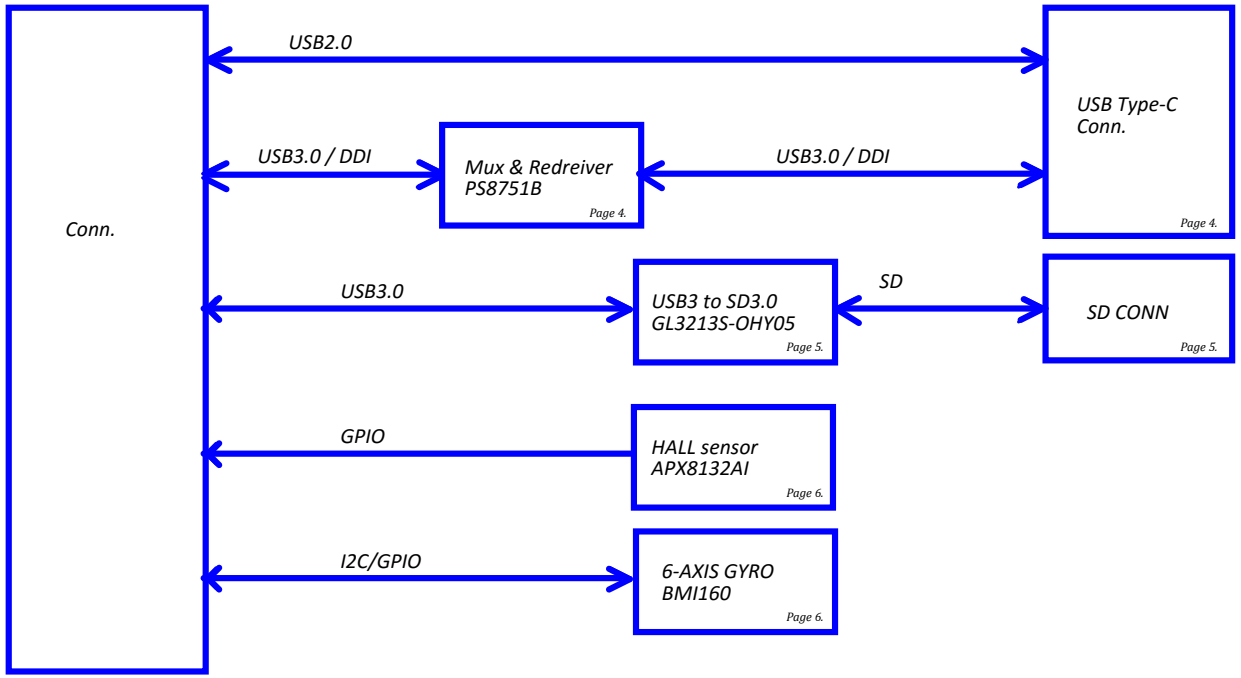
Compal Electronics, Inc.

Title: Cover Page

Size: Custom | Document Number: LS-G741P | Rev: 1.0

Date: Thursday, July 19, 2018 | Sheet 1 of 7

LS-G741P



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Compal Electronics, Inc.			
Title: Block diagram			
Size: C	Document Number: LS-G741P		Rev: 1.0
Date: Thursday, July 19, 2018	Sheet 2 of 7		

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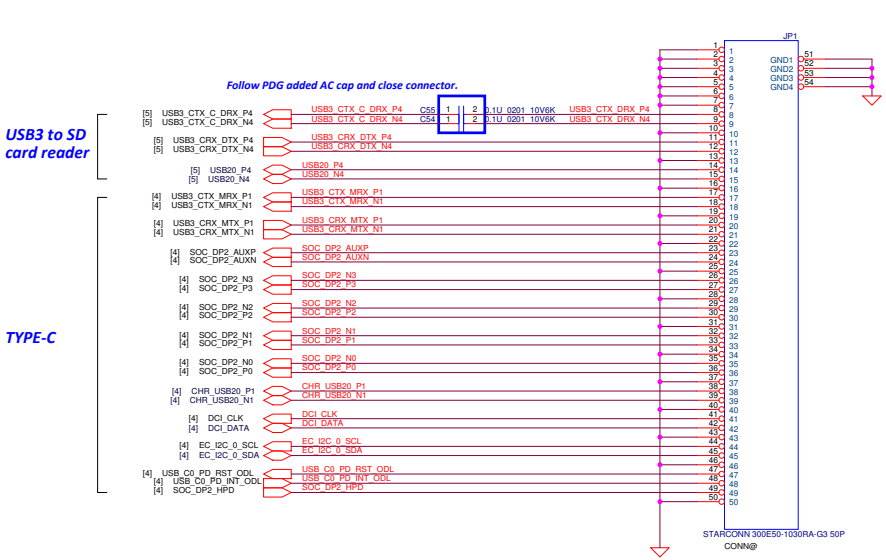

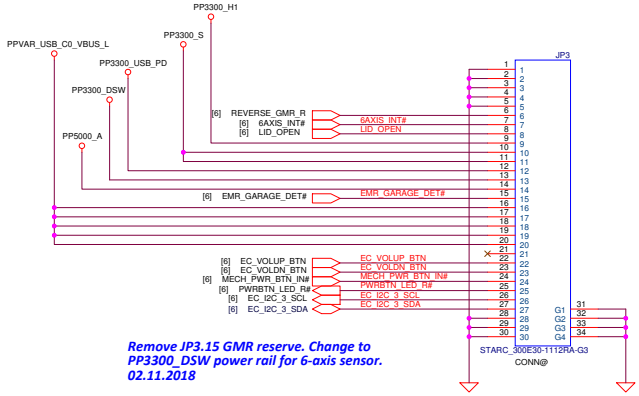

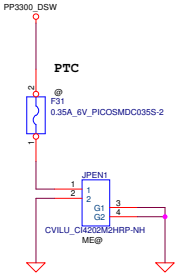

FD4 @ FD1 @ FD2 @ FD3 @
FIDUCIAL_C40M80 FIDUCIAL_C40M80 FIDUCIAL_C40M80 FIDUCIAL_C40M80

H1 H_2P5 @ H2 H_2P5 @ H3 H_2P5 @ H4 H_2P5 @ H6 H_2P3X2P8N @

ZZZ
LS-G741P
DAZ2DB00100

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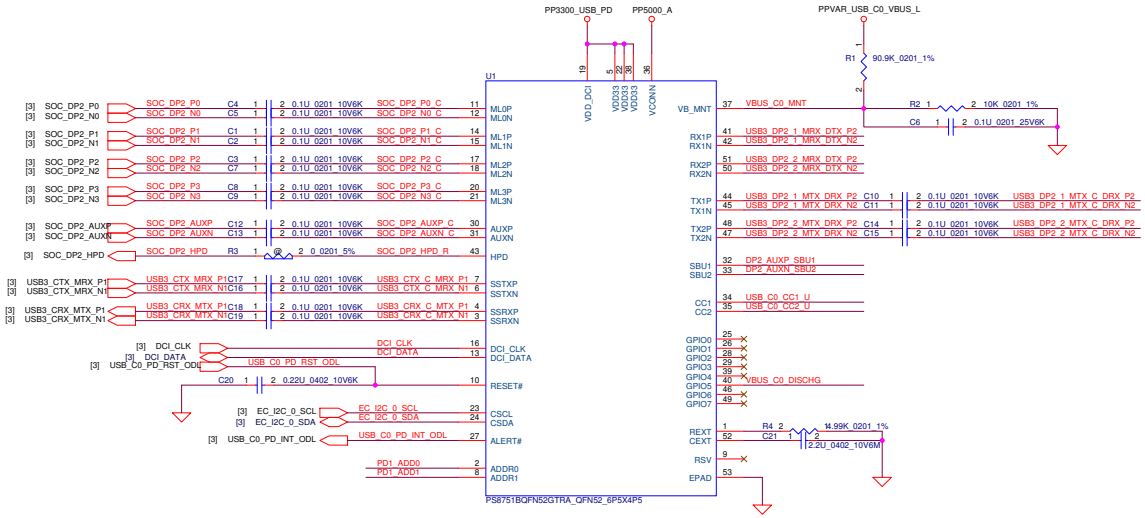
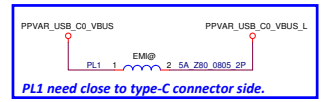
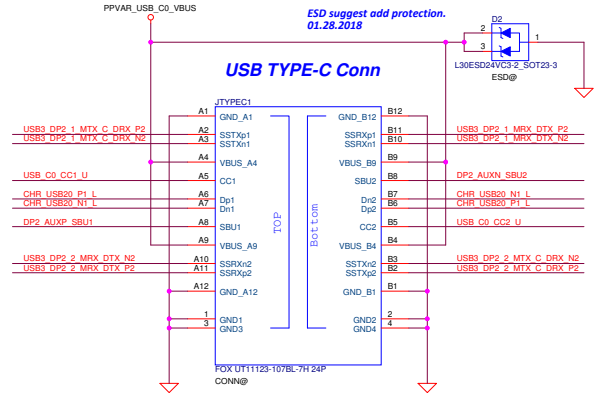
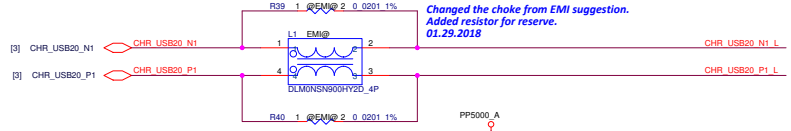
MUX & Redriver





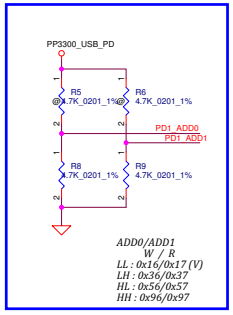
PL1 need close to type-C connector side.





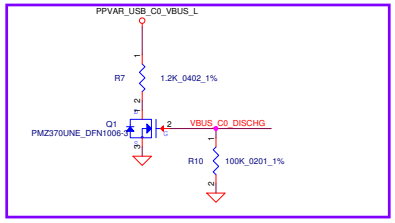
Changed the choke from EMI suggestion.
Added resistor for reserve.
01.29.2018

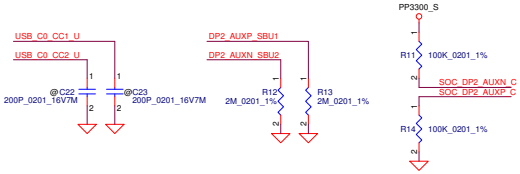
U1 I2C address

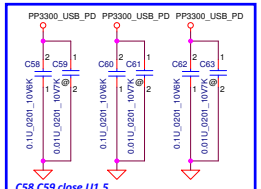


ADD0/ADD1
W / R
LL : 0x16/0x17 (V)
LH : 0x36/0x37
HL : 0x56/0x57
HH : 0x96/0x97

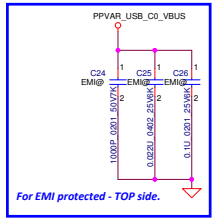
For Control 5V / 20V discharge



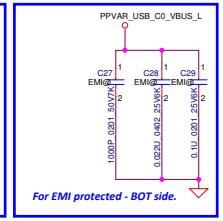




C58,C59 close U1.5
C60,C61 close U1.32
C62,C63 close U1.38
Follow PS8751 design guide.
2018.02.06

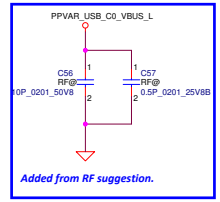


For EMI protected - TOP side.

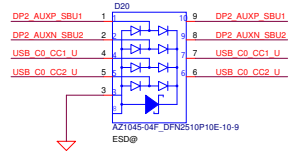


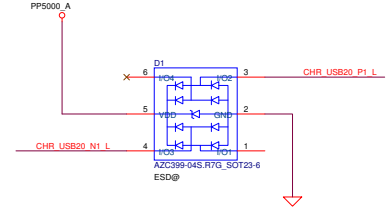
For EMI protected - BOT side.

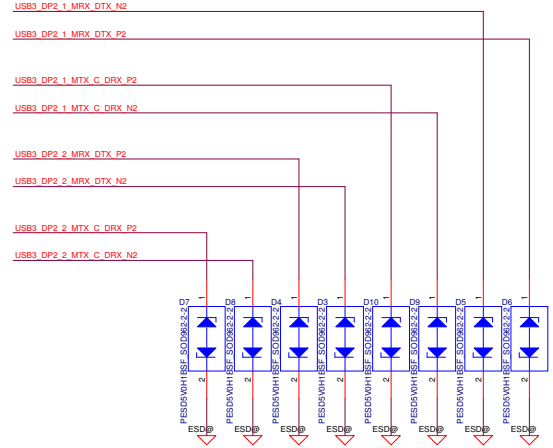
Change the capacitance from EMI suggestion.
01.29.2018



Added from RF suggestion.







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Compal Electronics, Inc.	
Title	USB3 Type-C Conn.
Size: Custom	Document Number: LS-G741P
Rev	1.0
Date: Thursday, July 19, 2018	Sheet 4 of 7

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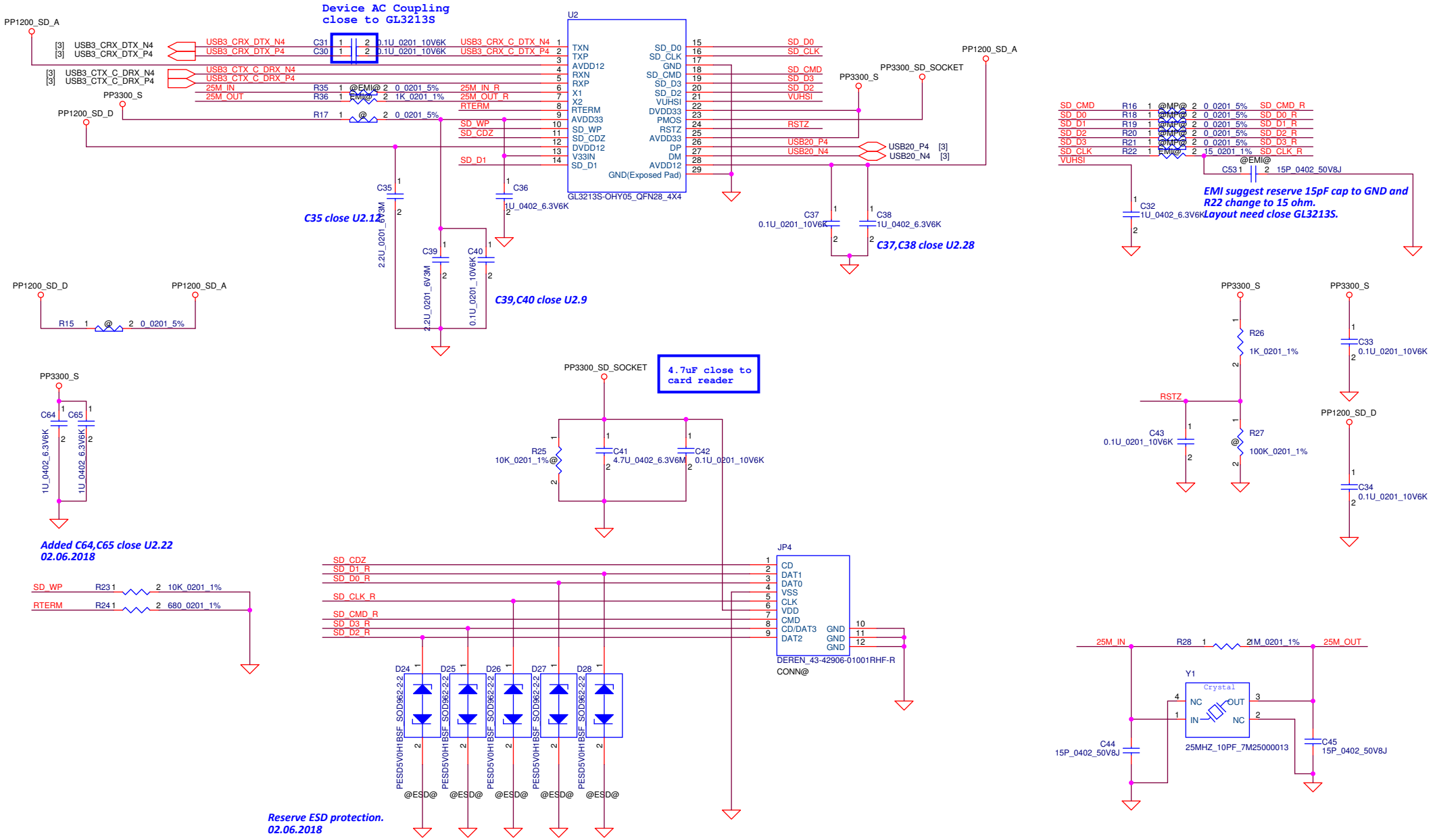

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Title: **USB3 to SD Card reader**

Size: Custom | Document Number: **LS-G741P** | Rev: 1.0

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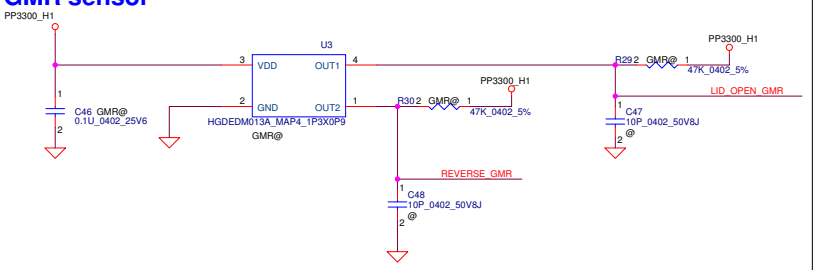
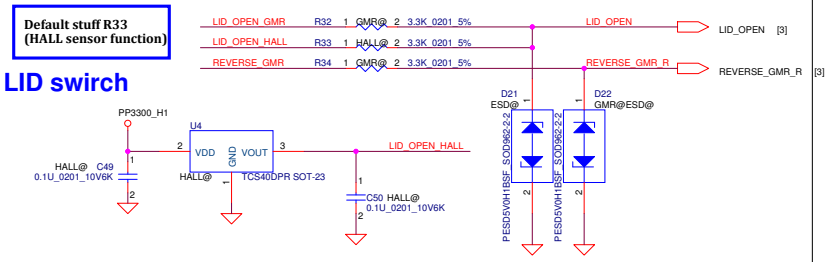
GMR sensor

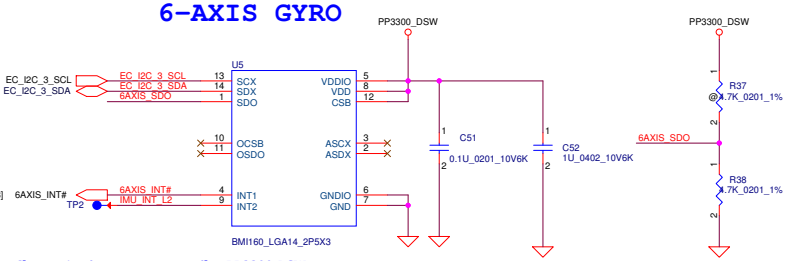


Default stuff R33 (HALL sensor function)

LID swirch

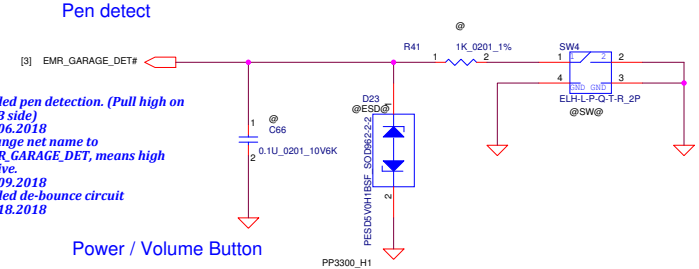


6-AXIS GYRO



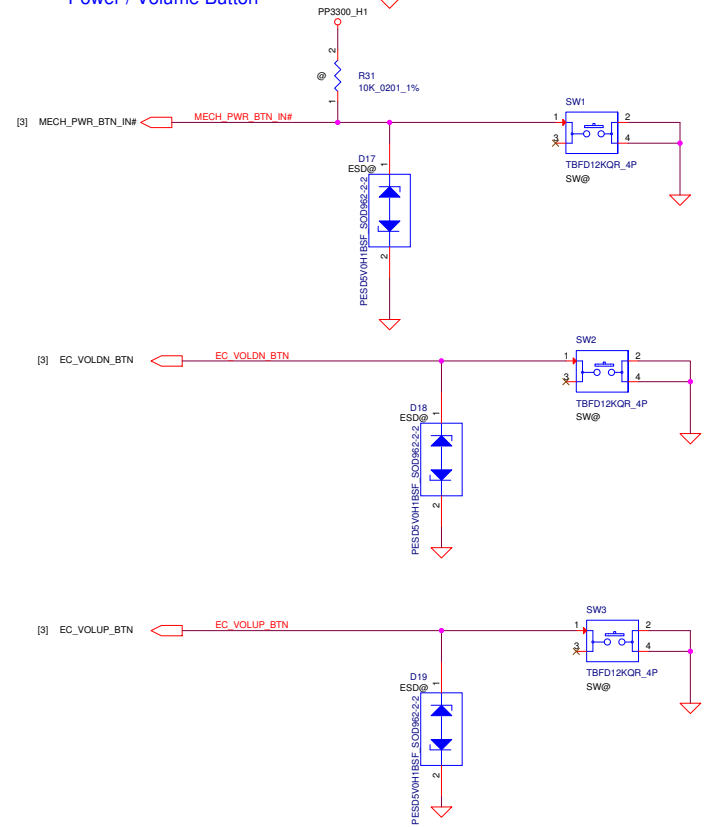
Change 6-axis sensor power rail to PP3300_DSW.
2018.02.11

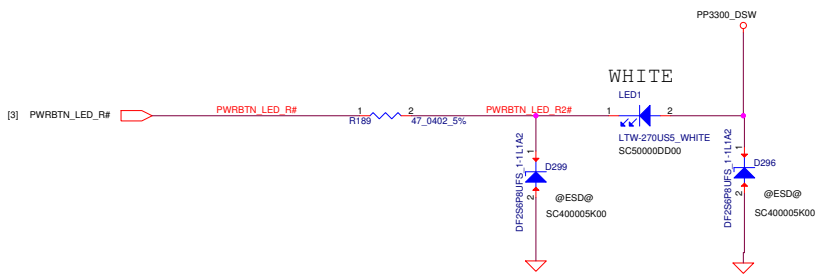
Pen detect



Added pen detection. (Pull high on M/B side)
02.06.2018
Change net name to EMR_GARAGE_DET, means high active.
05.09.2018
Added de-bounce circuit
05.18.2018

Power / Volume Button





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Issued Date	2018/02/07	Deciphered Date	2019/02/07
Title	SENSORS/ BUTTON		
Size C	Document Number LS-G741P		Rev 1.0
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Item	Page	Function/Signal/Parts	Change Descrption	Modified date
Proto change list				
1	3	JPEN1, F31	Reserve JPEN1 and F31 for Active Ppen function	2018/3/9
2	6	LED	Add LED1 and Q77 for power LED. D296 and D299 are reserved.	2018/3/9
3	3	LED	JP3.25 change to PWRBTN_LED_R# and connect to R189.1. Remove Q77	2018/3/21
4	5	0_0201_1%	R3,R15-R21,R33,R35,R36 change to 0_0201_5%	2018/3/26
5	4	0.1U 25V K X5R 0201	C6,C26,C29 SE00001AA00 change to SE00001AAZ0	2018/3/26
6	5	2.2U 10V K X5R 0201	C35,C39 change from 2.2U_0201_10V to 2.2U_0201_6V3M	2018/3/26
EVT change list				
7	4	D1	D1 change to SC300001G00 by ESD request	2018/4/26
8	3	REVERSE_GMR_R	REVERSE_GMR_R connect to JP3.6	2018/4/30
9	6	R33	R33 change to 3.3k	2018/5/2
DVT change list				
10	6	HALL sensor	Change R32 and R34 to 3.3K ohm.	2018/6/1
11	5	R36,C44,C45	Changed R36 , C44 and C45 value to have better frequency deviation.	2018/6/1
12	6	R31	R31 unstuff, due to double pull high with M/B	2018/6/1
13	6	LED	LED1.2 PP5000_A change to PP3300_DSW	2018/6/1
14	6	C66 , R41	Added circuit for SW4 debounce.	2018/6/1
15	4	D1	D1.5 change to PP5000_A and D1 component change to AZC399-04S (SC300005Y00)	2018/6/3
16	6	C66 , R41	Unstuff R44, C66 due to not support PEN funciton.	2018/6/19
PVT change list				
17	4,5	R3, R16, R18, R19, R20, R21, R17, R15, R35	0ohm change to shortpad	2018/7/13
18	3	PCB Compal PN	PCB Compal PN change to DAZ2DB00100	2018/7/13

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Compal Electronics, Inc.

Title: **Change list**

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