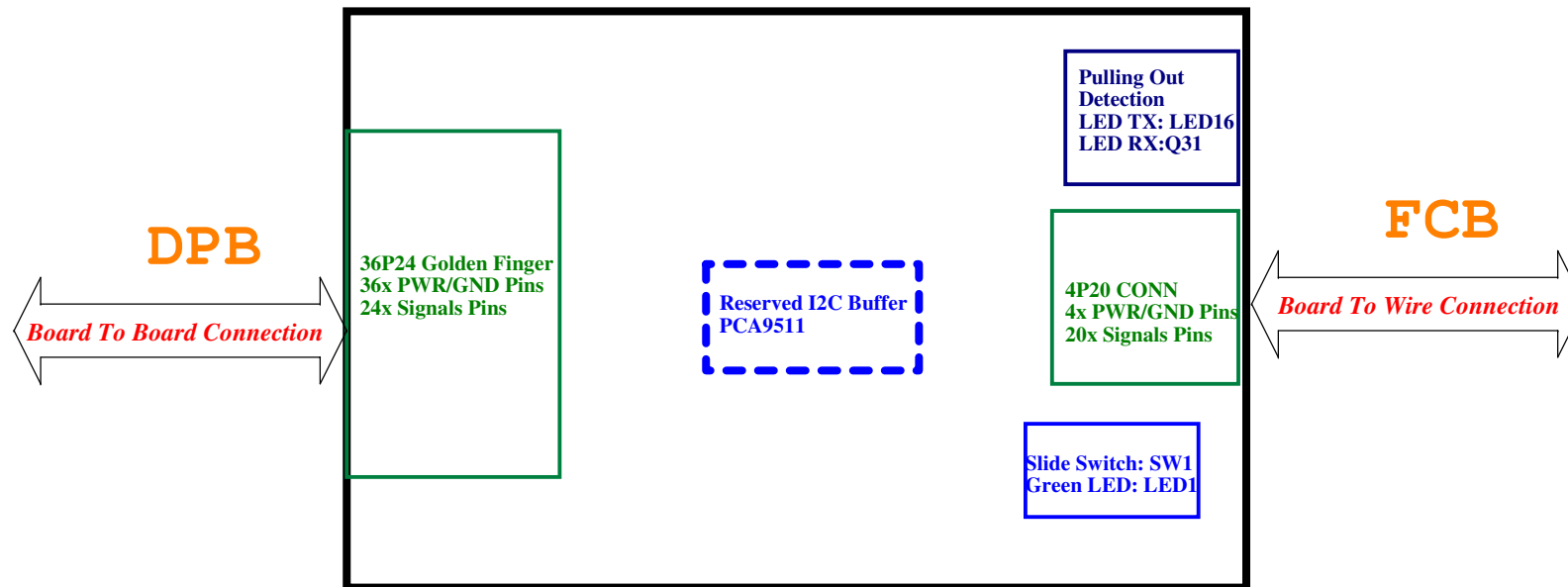


POWER TRANSITION BOARD



PIN Definition

Golden Finger To DPB

| Pin | Pin name | Type |
|-----|-------------------|------|
| S1 | GND | GND |
| S2 | 3.3V | PWR |
| S3 | 3.3V | PWR |
| S4 | PEER_TRAY_PRESENT | H/L |
| S5 | PWM_EXP_B | PWM |
| S6 | SELF_TRAY_PRESENT | H/L |
| S7 | PWM_EXP_A | PWM |
| S8 | GND | GND |
| S9 | I2C_C_SDA | PWM |
| S10 | GND | GND |
| S11 | I2C_C_SCL | PWM |
| S12 | GND | GND |
| S13 | GND | GND |
| S14 | SELF_1A&2A_HB | H/L |
| S15 | SELF_1B&2B_HB | H/L |
| S16 | TRAY_ID | H/L |
| S17 | FCB_HW_REV | H/L |
| S18 | SD_LATCH_RELEASE | H/L |
| S19 | GND | GND |
| S20 | PEER_1A&2A_HB | H/L |
| S21 | PEER_1B&2B_HB | H/L |
| S22 | GND | GND |
| S23 | GND | GND |
| S24 | 5VA | PWR |

4P20S To FCB

| Pin | Pin name | Type |
|-----|-------------------|------|
| A1 | I2C_C_SDA | PWM |
| A2 | GND | GND |
| A3 | I2C_C_SCL | PWM |
| A4 | GND | GND |
| A5 | PWM_1B/2B | PWM |
| B1 | GND | GND |
| B2 | PWM_1A/2A | PWM |
| B3 | GND | GND |
| B4 | SELF_1B&2B_HB | H/L |
| B5 | GND | GND |
| C1 | TPS2490_EN1 | H/L |
| C2 | TPS2490_EN2 | H/L |
| C3 | SELF_1A&2A_HB | H/L |
| C4 | PEER_1A&2A_HB | H/L |
| C5 | PEER_1B&2B_HB | H/L |
| D1 | PEER_TRAY_PRESENT | H/L |
| D2 | TRAY_ID | H/L |
| D3 | FCB_HW_REV | H/L |
| D4 | SD_LATCH_RELEASE | H/L |
| D5 | SELF_TRAY_PRESENT | H/L |

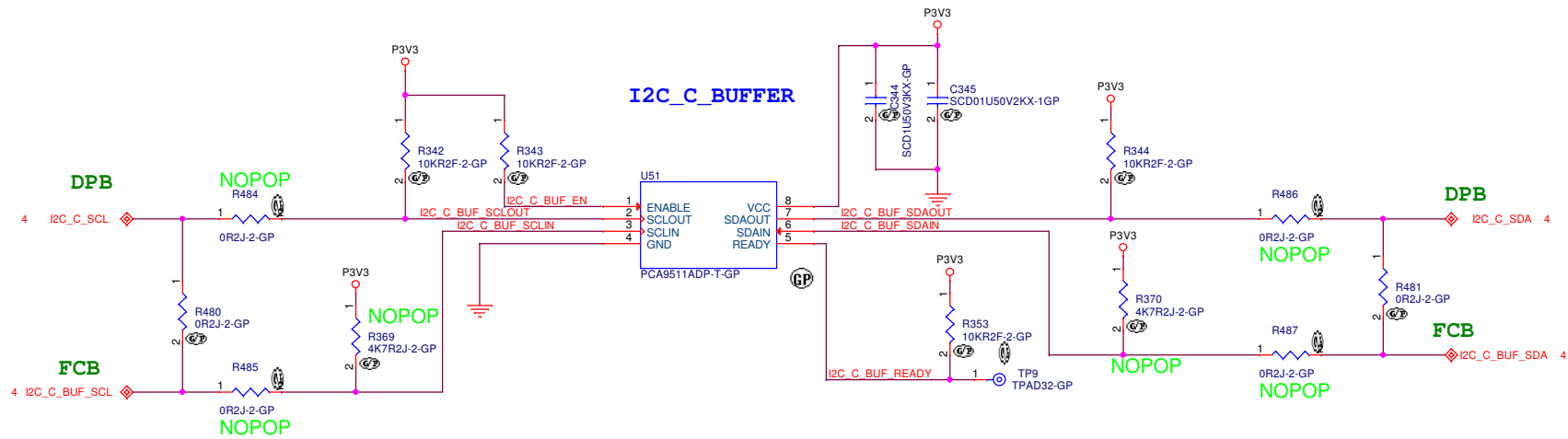
DY=Dummy parts
=not populated

SCD1U10V2KX-5GP
D1U = 0.1uF (2D2U means 2.2uF)
10Voltage (6D3V means 6.3V)
2 = size 0402, K tolerance
K=tolerance
[C code as below:]
G=2%
J=5%
K=10%
M=20%
X=temp characteristics
[C Series/Temp]
N=NPO
X=X7R/X5R
Y=Y5V
-5=different symbol/customer
GP= Green Part (RoHS)

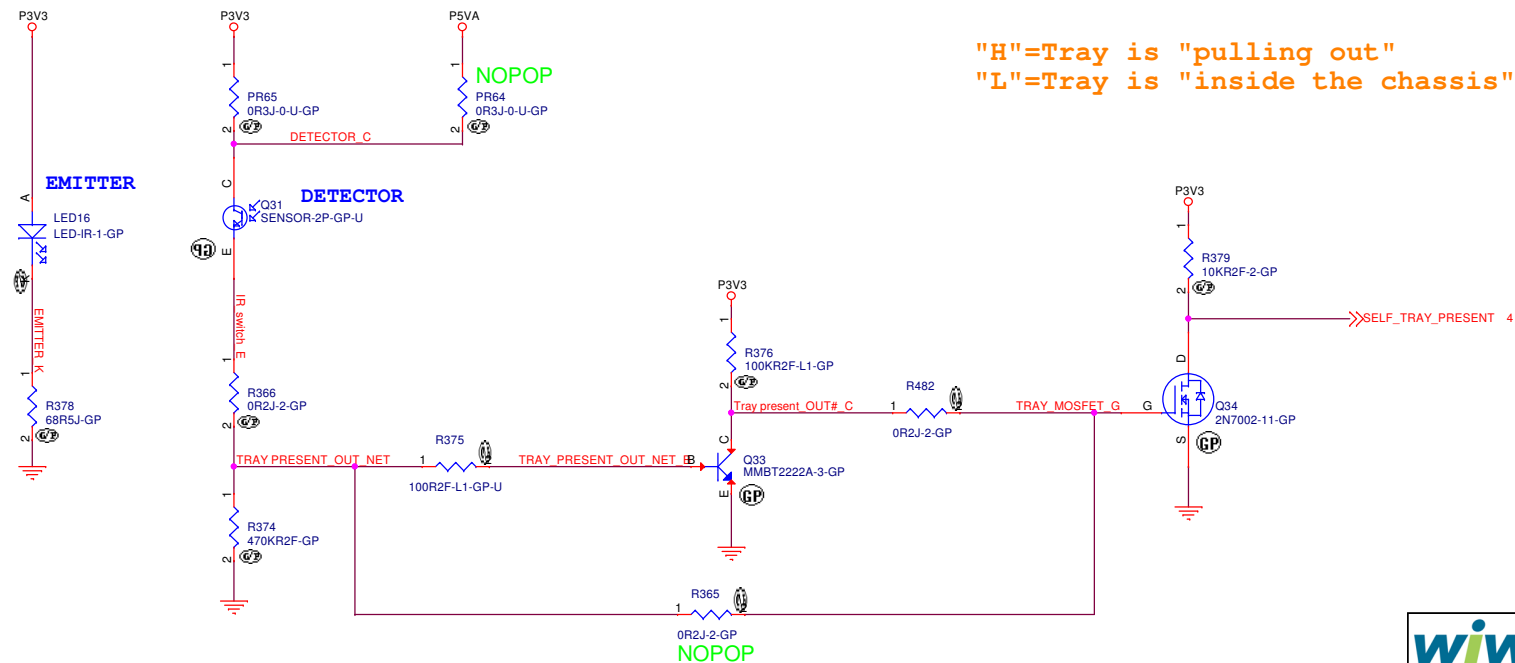
562R2F- GP
562 = 562 ohm, (2K2R means 2.2K ohm)
2 = size 0402
F = 1% tolerance
GP= Green Part (RoHS)
RC size code as below:
1 = 0201
2= 0402
3= 0603
5= 0805
6= 1206
R tolerance code as below:
D=0.5%
F= 1%
J= 5%

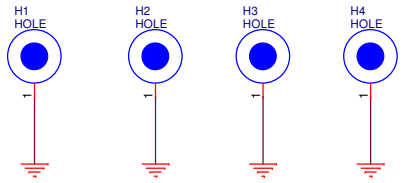
24 Pins PWR/GND

| Pin | Pin name | Type | Pin | Pin name | Type |
|-----|----------|------|-----|----------|------|
| P1 | 12.5V | PWR | P9 | GND | GND |
| P2 | 12.5V | PWR | P10 | GND | GND |
| P3 | 12.5V | PWR | P11 | GND | GND |
| P4 | 12.5V | PWR | P12 | GND | GND |
| P5 | 12.5V | PWR | P13 | GND | GND |
| P6 | 12.5V | PWR | P14 | GND | GND |
| P7 | 12.5V | PWR | P15 | GND | GND |
| P8 | 12.5V | PWR | P16 | GND | GND |
| P19 | GND | GND | P17 | GND | GND |
| P20 | GND | GND | P18 | GND | GND |
| P21 | GND | GND | P29 | 12.5V | PWR |
| P22 | GND | GND | P30 | 12.5V | PWR |
| P23 | GND | GND | P31 | 12.5V | PWR |
| P24 | GND | GND | P32 | 12.5V | PWR |
| P25 | GND | GND | P33 | 12.5V | PWR |
| P26 | GND | GND | P34 | 12.5V | PWR |
| P27 | GND | GND | P35 | 12.5V | PWR |
| P28 | GND | GND | P36 | 12.5V | PWR |

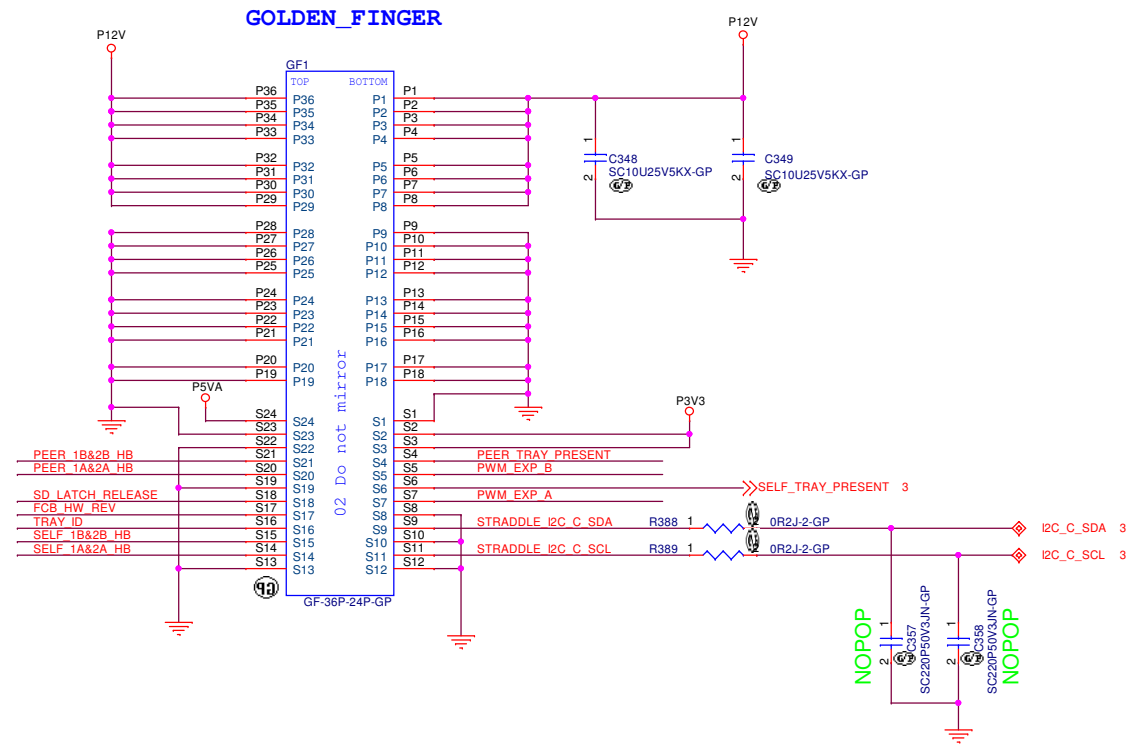
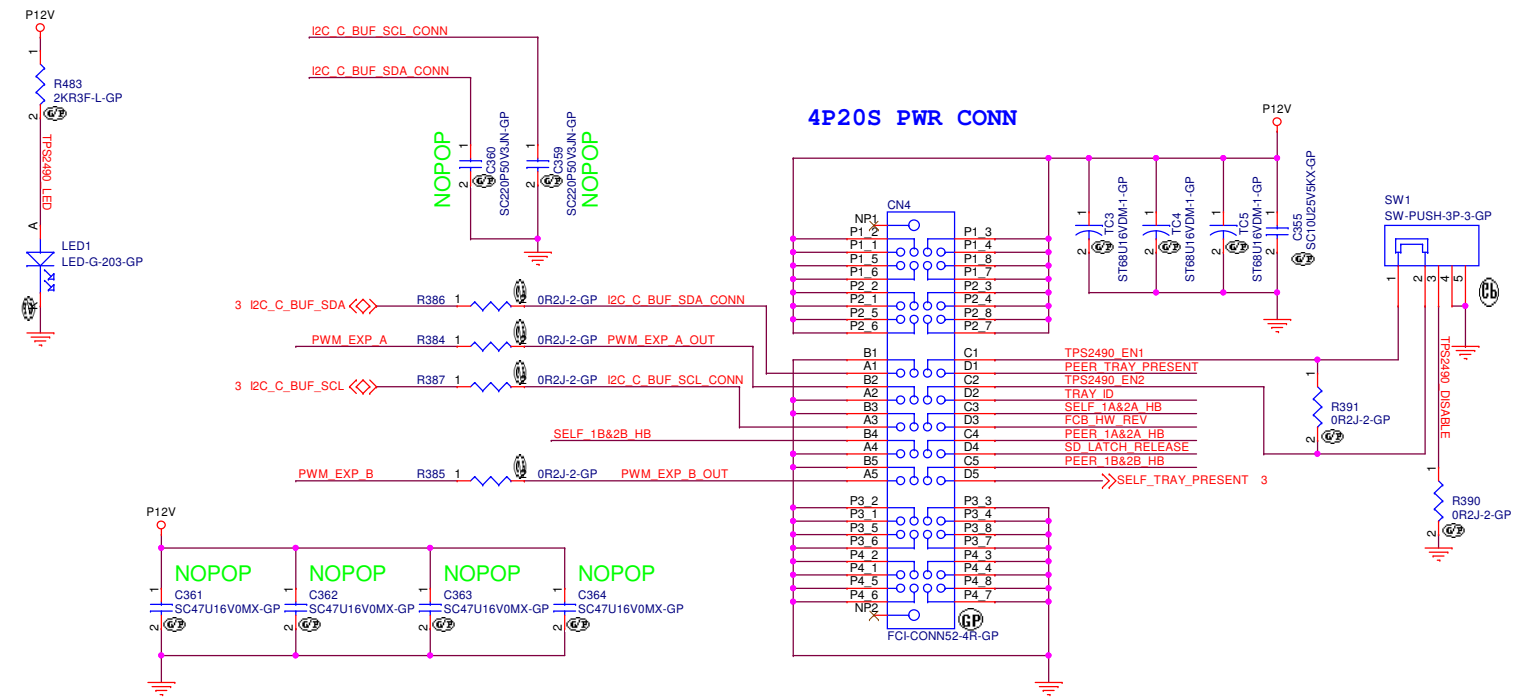


PULLING OUT DETECTION






SCREW HOLDS



GOLDEN_FINGER



Wiwynn
8F,90,Sec.1,Hsin Tai Wu Rd,
Hsichih, Taipei Hsien 221, Taiwan, R.O.C
H/W R&D Dept. II

Title

CONNs

Size

A3

Document Number

Lightning PTB

Date:

Thursday, March 09, 2017

Sheet

4 of 5

Rev

-1

BLANK