

Octopus_A_subboard_USB

SCH: 650-02254-01-SCH
ASSY:650-02254-01

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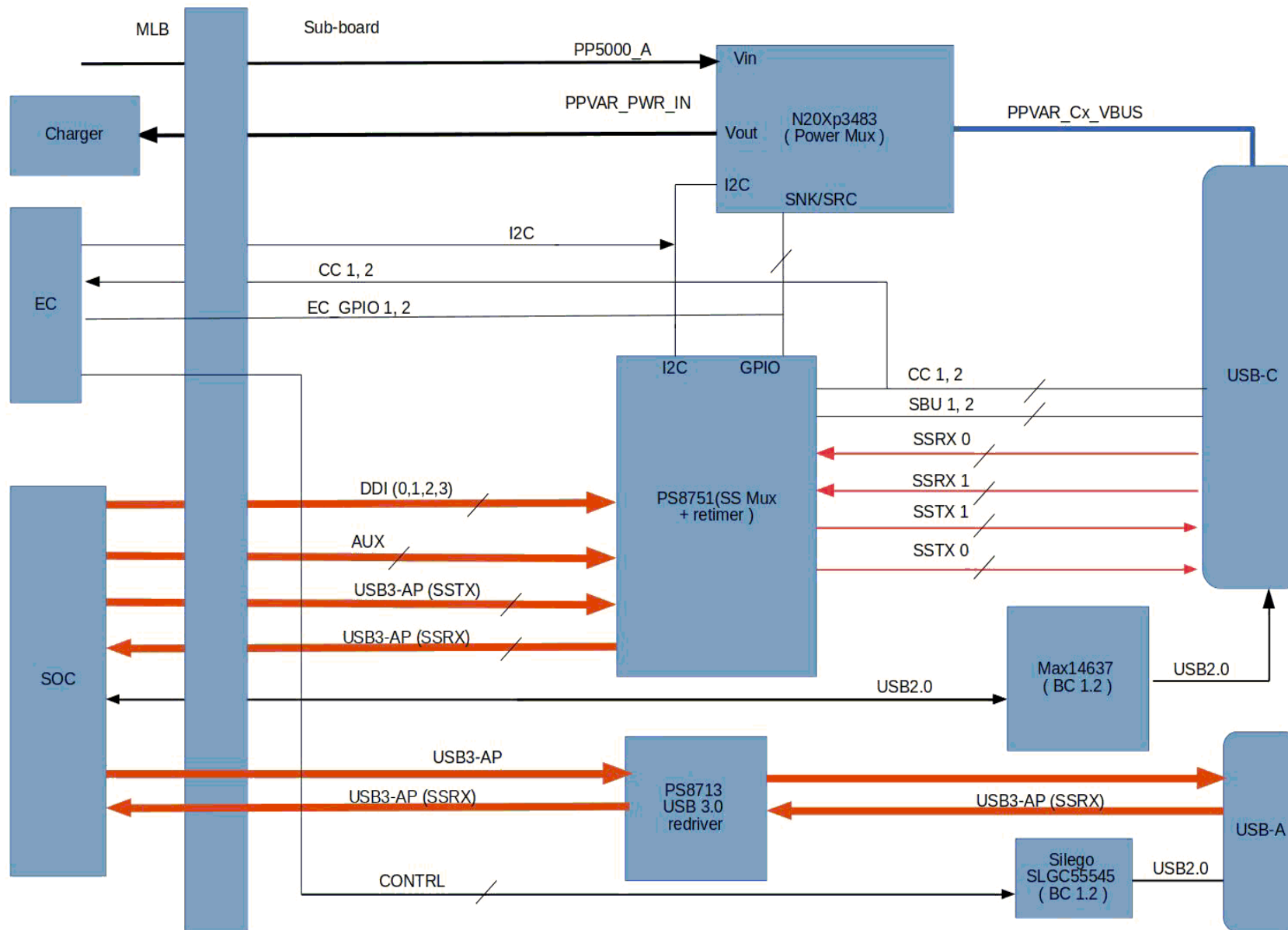
SHEET NO.	SHEET NAME

Notes:
Part Value Prefix : "*" means no stuff

BOM value option		
SW@	Switch button (For convertible only)	
U3@	USB3 TYPE-A	
U3R@	USB3 TYPE-A + W/ Redrive (For 15" only)	Either one
N3R@	USB3 TYPE-A + W/O Redrive (For 11" only)	

*11" and 15" USB3 TYPE-A connector CN3 P/N are different

the co-lay GMRs for 15" or different location in 11" are not considered before moving leading project



MUST BE ABLE TO HANDLE 3A + CURRENT

20190401 GMR board
for ZBC/ZBD

PPVAR_VBUS_TO_MLB

J25
2AC@51288-0060N-001

SELECT PER SEL SI TEAM
CONNECTOR CHOICE TBD BY CM

J18
2AC@FH34SRJ-XXS-0.5SH(50)

- (4) SUB_USB3_C_TX_P
- (4) SUB_USB3_C_TX_N
- (6) SUB_USB2_A_N
- (6) SUB_USB2_A_P
- (4) SUB_USB3_C_RX_P
- (4) SUB_USB3_C_RX_N
- (5) SUB_USB2_C_P
- (5) SUB_USB2_C_N
- (4) SUB_DDI1_TX3_N
- (4) SUB_DDI1_TX3_P
- (4) SUB_DDI1_TX2_N
- (4) SUB_DDI1_TX2_P
- (4) SUB_DDI1_TX1_N
- (4) SUB_DDI1_TX1_P
- (4) SUB_DDI1_TX0_N
- (4) SUB_DDI1_TX0_P
- (6) SUB_USB3_A_TX_N
- (6) SUB_USB3_A_TX_P
- (6) SUB_USB3_A_RX_P
- (6) SUB_USB3_A_RX_N

TYPE C PORT 1

TYPE A PORT 1

```
EC_GPIO_ADC IS AN ADC GPIO ON EC
IT CAN BE USE AS A GPIO TO OR FROM EC
OR IT CAN BE USE TO DETECT VBUS ON TYPE-C PORT
```

0102_Q_Changed R34 to short pad

U1Q,C3Q is for Bobba/ZAK, Bobba/ZAKA, Sparky/ZAP

(FSW_SUB)

SUB_VOLDN_BTN_ODL

SUB_VOLUP_BTN_ODL

(4,5) SUB_EN C1 5V OUT R23 *0.5% 2 EC_GPIO_1

(4.5) SUB USB C1 CHARGE ON >> R24 0 5% 2 EC_GPIO_2

EC_GPIO_1, EC_GPIO_2 ARE SPARE IO ON THE EC
THEY CAN BE USE AS A GPIO TO OR FROM EC
ONE EXAMPLE IS TO USE IT FOR GMR SENSOR SIGNALS.
OR IT CAN BE USE AS GPIO TO CONTROL PPC

STUFFING OPTION FOR EC OR PS8751 CONTROL CONTROL PPC
DEFAULT IS PS8751 TO CONTROL THE PPC



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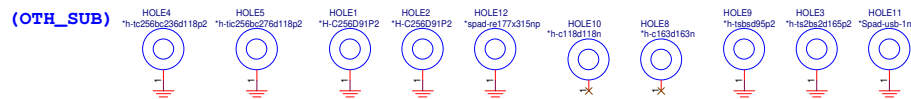
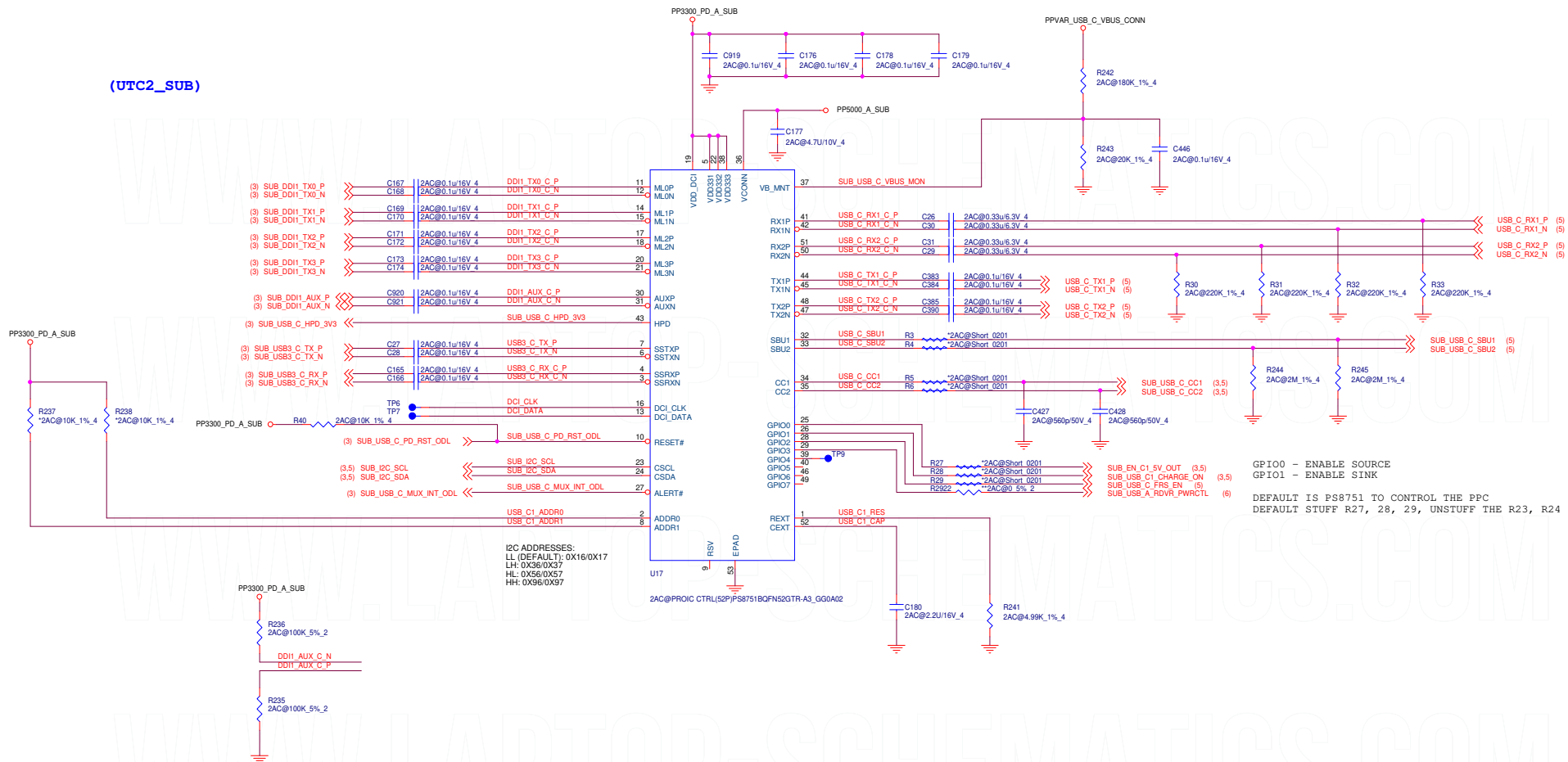
PROJECT : ZBA ZBB

SUB-MLB CONNECTORS

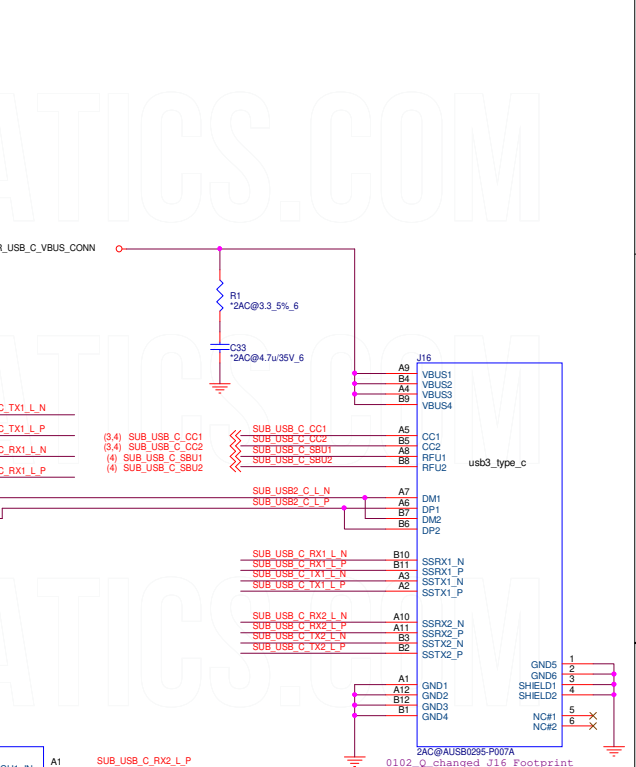
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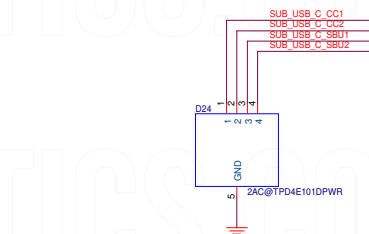
DAUGHTER BOARD



slave a



SED BY WWW.LAPTOP-SCHEMATICS.COM slave a



P ON THE MLB SIDE

SUB: TYPE-C		SA
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BC 1.2 FOR THE TYPE-A PORT A1



U3 Redirve	STUFF	C10,C11,C23,C24,C6,C7,R1Q,R2Q
	DNS	R3Q,R4Q,R5Q,R6Q,R7Q.R8Q.C1Q.C2Q
Non U3 Redirve	STUFF	R3Q,R4Q,R5Q,R6Q,R7Q.R8Q.C1Q.C2Q
	DNS	C10,C11,C23,C24,C6,C7,R1Q,R2Q

Model	Version	CHANGE LIST
ZAMA	1A	2018/5/7 First Verison

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PROJECT : ZBA-ZBB
SUB: Change List
Date: Monday, April 01, 2019 Sheet 7 of 7 Rev 3A