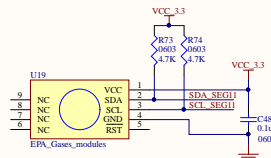
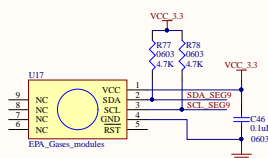
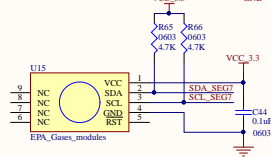
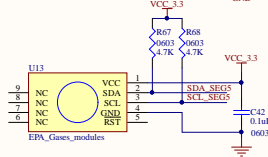
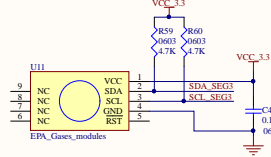
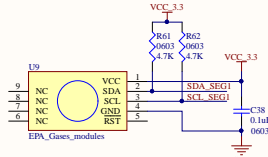
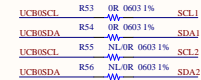
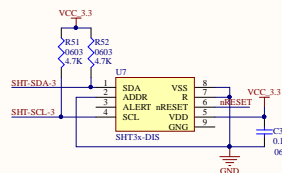
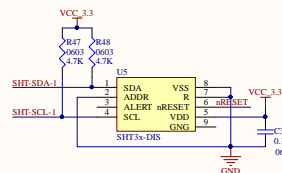
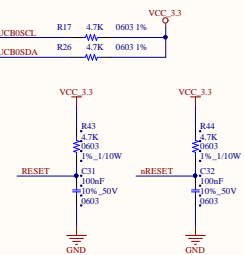
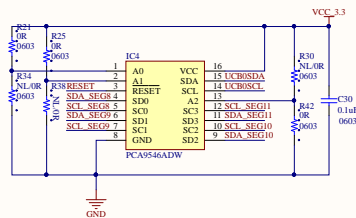
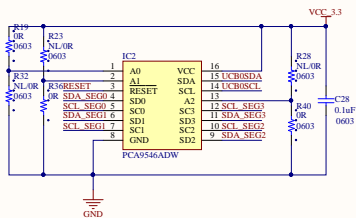


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A3		
Date:	2021/06	Sheet of
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Title		
Size A2	Number	Revision
Date: 2021/9/6	Sheet of	
File: C:\Users\JEAP-DD-DO\FixtureSchDoc\02-SchDoc		

Comment	Description	Designator	Footprint	LibRef	Quantity
0603	Capacitor (Semiconductor SIM Model)	C1, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C18, C19, C27, C28, C29, C30, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48	CC0603	Cap Semi	33
100nF	MLCC	C2, C31, C32	CC0603	ChipCap	3
0805	Capacitor (Semiconductor SIM Model)	C3	CC0805	Cap Semi	1
8200pF/X7R 25V	Capacitor (Semiconductor SIM Model)	C14	CC0603	Cap Semi	1
Cap Semi	Capacitor (Semiconductor SIM Model)	C15, C24	CC0603	Cap Semi	2
22µF/X5R 10V	Capacitor (Semiconductor SIM Model)	C16	CC0805	Cap Semi	1
22µF/X5R 10V	Capacitor (Semiconductor SIM Model)	C17	CC0805	Cap Semi	1
10µF/X5R 25V	Capacitor (Semiconductor SIM Model)	C20, C21	CC0805	Cap Semi	2
0.1µF/X5R 25V	Capacitor (Semiconductor SIM Model)	C22	CC0603	Cap Semi	1
0.47µF/X7R 16V	Capacitor (Semiconductor SIM Model)	C23	CC0603	Cap Semi	1
NL/15pF	MLCC	C25, C26	CC0603	ChipCap	2
PCA9546ADW	Integrated Circuit	IC1, IC2, IC3, IC4	SOIC127P103 0X265-16N	PCA9546ADW	4
microUSB_B	USB 2.0, SMT, B Type, Receptacle, 5 Position	J1	MicroUSB - B	microUSB_B	1
PN1X04HML_P 2.54	PN1x04.180 Pitch=2.54mm	J2	S-4P	PN1X04HML_P 2.54	1
61201421621	Connector	J3	RHDR14W64P 254_2X7_2544 X910X88SP	61201421621	1
Vin DC 5-12V	PN1x02.180 Pitch=5.08mm	J4	KRM2	PN1X02HML_P 5.08_1	1
10129381- 912001BLF	Connector	J5	HDRV12W90P 254_2X6_1524 X483X858P	10129381- 912001BLF	1
Jumper 2x		JP1	HDR2X2	Jumper 2x	1
BEAD	BEAD	L1	CR0805	BEAD	1
GSRH127- 4R7N	Inductor	L2	GSRH127	Inductor	1
YELLOW	LED	LED1, LED4, LED5	LED_0603	LED	3
GRN	LED	LED2	LED_0603	LED	1
RED	LED	LED3	LED_0603	LED	1
PDS1040-13	Diode	PD1, PD2	PDS1040L	PDS1040-13	2
2N7002KT1G	MOSFET (N- Channel)	Q1, Q2	SOT23	2N7002KT1G	2
10K	Chip Resistor	R1, R6	CR0603	ChipRes	2
0603	Resistor	R2, R3, R10, R45, R46, R47, R48, R49, R50, R51, R52, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80	CR0603	Res3	35
51.1K	Chip Resistor	R7	CR0603	ChipRes	1
22.1K	Chip Resistor	R8, R9	CR0603	ChipRes	2
1K	Chip Resistor	R11, R12	CR0603	ChipRes	2
56R	Chip Resistor	R13, R14	CR0603	ChipRes	2
100K	Chip Resistor	R15, R16	CR0603	ChipRes	2
4.7K	Chip Resistor	R17, R26, R43, R44	CR0603	ChipRes	4
NL/OR	Chip Resistor	R18, R20, R22, R23, R27, R28, R29, R30, R32, R34, R37, R38, R55, R56	CR0603	ChipRes	14
OR	Chip Resistor	R19, R21, R24, R25, R31, R33, R35, R36, R39, R40, R41, R42, R53, R54	CR0603	ChipRes	14
MSP430F672x PZ		U1	S-POFP-100	MSP430F672x PZ	1
FX230X-SSOP		U2	SSOP16	FX230X-SSOP	1
TPS54339		U3	SOIC- 8_POWERPAD	TPS54339	1
SHT3x-DIS		U4, U5, U6, U7	DFN-8-0.5MM	SHT3x-DIS	4
EPA_Gases_modules	EPA_Gases_modules	U8, U9, U10, U11, U12, U13, U14, U15, U16, U17, U18, U19	AEOL_EC_4P_V 01	EPA_Gases_modules	12
32.768KHz	XTAL, 32.768KHz	X1	XTAL-1206	XTAL-1	1