

report

+1. 8V	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3150	3600	BOTTOM
+5. 0VISO	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	650	1900	BOTTOM
+5V	#TP= 9	#TP_PINS= 1	#TP_VIAS= 8	
	J21. 5	1025	3492. 52	BOTTOM
	TP- VIA	1275	1700	BOTTOM
	TP- VIA	4050	3500	BOTTOM
	TP- VIA	950	1375	BOTTOM
	TP- VIA	1525	550	BOTTOM
	TP- VIA	3550	4425	BOTTOM
	TP- VIA	500	2050	BOTTOM
	TP- VIA	3925	2125	BOTTOM
	TP- VIA	3375	3800	BOTTOM
+5VREF	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	
	J26. 49	1550	5350	BOTTOM
+12V	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	
	J21. 2	946. 26	3650	BOTTOM
+30V	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	850	1550	BOTTOM
16MHZ	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3100	1775	BOTTOM
AIR_DET	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	
	J26. 14	3350	5250	BOTTOM
AIR_TEST	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	
	J26. 17	3150	5350	BOTTOM
BATT_V	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	2750	1175	BOTTOM
BUZZER1_N	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	
	JP12. 1	725	4775	BOTTOM

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BUZZER1_P	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
	SU1. 2	2000	4345. 28 BOTTOM
BUZZER2_P	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
	SU2. 2	2950	4345. 28 BOTTOM
BUZZER_LB	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	2925	3625 BOTTOM
CANSYSERROUT	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA- THRU	3675	2200 BOTTOM
CAN_H	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	1175	2400 BOTTOM
CAN_L	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	3625	3250 BOTTOM
CAN_RC	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	1425	2000 BOTTOM
CAN_TX	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	1375	2300 BOTTOM
CPLD_AIR_TEST	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	3100	4500 BOTTOM
CPLD_DUARS232_RX	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	2800	3550 BOTTOM
CPLD_DUARS232_TX	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	2050	3075 BOTTOM
CPLD_FAULT_INTERR	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	2200	1850 BOTTOM
CPLD_FLUID_TEST	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1

	TP- VIA	1975	report 2000	BOTTOM

CPLD_MAINRS232_RX#TP= 1	#TP_PINS= 0	#TP_VIAS= 1		
TP- VIA	2375	1450	BOTTOM	

CPLD_MAINRS232_TX#TP= 1	#TP_PINS= 0	#TP_VIAS= 1		
TP- VIA	2100	2450	BOTTOM	

CPLD_MUXRS232_RX #TP= 1	#TP_PINS= 0	#TP_VIAS= 1		
TP- VIA	2050	2325	BOTTOM	

CPLD_MUXRS232_TX #TP= 1	#TP_PINS= 0	#TP_VIAS= 1		
TP- VIA	2475	1275	BOTTOM	

CPLD_PI_BUSY #TP= 1	#TP_PINS= 0	#TP_VIAS= 1		
TP- VIA	2125	4775	BOTTOM	

CPLD_PI_MISO #TP= 1	#TP_PINS= 0	#TP_VIAS= 1		
TP- VIA	1875	2075	BOTTOM	

CPLD_PI_PCS1 #TP= 1	#TP_PINS= 0	#TP_VIAS= 1		
TP- VIA	1750	2000	BOTTOM	

CPLD_PI_PCS0 #TP= 1	#TP_PINS= 0	#TP_VIAS= 1		
TP- VIA	1750	2125	BOTTOM	

CPLD_PUMP_MOTOR_E#TP= 1	#TP_PINS= 0	#TP_VIAS= 1		
TP- VIA	2550	4975	BOTTOM	

CPLD_PWR_OFF #TP= 1	#TP_PINS= 0	#TP_VIAS= 1		
TP- VIA	1725	4350	BOTTOM	

CPLD_VALUE_H_A_SI#TP= 1	#TP_PINS= 0	#TP_VIAS= 1		
TP- VIA- THRU	2800	2950	BOTTOM	

CPLD_VALUE_H_B_SI#TP= 1	#TP_PINS= 0	#TP_VIAS= 1		
TP- VIA- THRU	2800	4250	BOTTOM	

	#TP=	#TP_PINS=	#TP_VIAS=	report
DAURS232_RX	1	1	0	
J26. 41		1950	5350	BOTTOM
DAURS232_TX	1	1	0	
J26. 38		2150	5250	BOTTOM
DEBUG_RX	1	0	1	
TP- VIA		1850	775	BOTTOM
DEBUG_TX	1	0	1	
TP- VIA		1750	725	BOTTOM
DOOR_SIG	1	1	0	
J26. 37		2150	5350	BOTTOM
EPIA0	1	0	1	
TP- VIA- THRU		2750	2800	BOTTOM
EPIA1	1	0	1	
TP- VIA		1625	2500	BOTTOM
EPIA2	1	0	1	
TP- VIA		3025	1600	BOTTOM
EPIA3_RDY	1	0	1	
TP- VIA		2650	1000	BOTTOM
EPI CLOCK	1	0	1	
TP- VIA- THRU		2125	925	BOTTOM
EPI D0	1	0	1	
TP- VIA		2675	3525	BOTTOM
EPI D1	1	0	1	
TP- VIA		2625	2850	BOTTOM
EPI D2	1	0	1	
TP- VIA		2600	3450	BOTTOM

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EPI D3	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	2450	3550 BOTTOM
EPI D4	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	2675	2175 BOTTOM
EPI D5	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	2400	3100 BOTTOM
EPI D6	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	2375	2875 BOTTOM
EPI D7	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	2950	3000 BOTTOM
EPI FRAME	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	3275	950 BOTTOM
EPI RD	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	3100	850 BOTTOM
EPI WR	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	2250	2050 BOTTOM
ERROR_SOUND_BZ0	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	1450	4400 BOTTOM
ERROR_SOUND_BZ1	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	2400	4400 BOTTOM
FLUID_DET	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
	J26. 13	3350	5350 BOTTOM
FLUID_TEST	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
	J26. 15	3250	5350 BOTTOM
GND_SIGNAL	#TP= 12	#TP_PINS= 12	#TP_VIAS= 0

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J27. 19	1375	4775	BOTTOM
J26. 11	3450	5350	BOTTOM
JP12. 2	625	4775	BOTTOM
J14. 2	1500	2625	BOTTOM
J26. 52	1450	5250	BOTTOM
J26. 56	1250	5250	BOTTOM
J26. 60	1050	5250	BOTTOM
J26. 64	850	5250	BOTTOM
J26. 48	1650	5250	BOTTOM
J27. 16	1375	4475	BOTTOM
J24. 1	1400	150	BOTTOM
U28. 2	2865	2075	BOTTOM

INT_CAN_SYSTEM_ER#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
TP- VIA	3675	3350	BOTTOM

ISOUSB_DM- NUS	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	460	1355	BOTTOM

ISOUSB_DPLUS	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	460	1195	BOTTOM

ISOUSB_GND	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	700	1250	BOTTOM

LCD_A0	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	1600	3050	BOTTOM

LCD_CNFO	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	1850	3225	BOTTOM

LCD_CNF1	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	2275	2900	BOTTOM

LCD_CS_	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	2550	2650	BOTTOM

LCD_FPDATA0	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J21. 13	1025	3177. 56	BOTTOM

LCD_FPDATA1	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J21. 15	1025	3098. 82	BOTTOM

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LCD_FPDATA2	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J21. 17	1025	3020. 08	BOTTOM
LCD_FPDATA3	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J21. 19	1025	2941. 34	BOTTOM
LCD_FPLINE	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J21. 7	1025	3413. 78	BOTTOM
LCD_FPSHIFT	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J21. 11	1025	3256. 3	BOTTOM
LCD_FRAME	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J21. 9	1025	3335. 04	BOTTOM
LCD_LUMC	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	550	3175	BOTTOM
LCD_LUMD	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	650	3025	BOTTOM
LCD_RDY	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	2100	2050	BOTTOM
LCD_RD_	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA- THRU	2600	3300	BOTTOM
LCD_SCAN_RATE	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J21. 4	946. 26	3571. 26	BOTTOM
LCD_TST	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J21. 3	1025	3571. 26	BOTTOM
LCD_WR_	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	2025	3300	BOTTOM
LED_GR	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1

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	TP- VIA	600	225	BOTTOM
LED_RD	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	450	125	BOTTOM
LIGHT_PIPE_GRA	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	225	2100	BOTTOM
LIGHT_PIPE_GRA_IO	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	200	2750	BOTTOM
LIGHT_PIPE_RDA	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	400	2175	BOTTOM
LIGHT_PIPE_RDA_IO	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	375	2750	BOTTOM
MICROSD_IRQ	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	2325	1125	BOTTOM
MICROSD_PRESENT1	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	2775	250	BOTTOM
N1530891	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	
	J26. 10	3550	5250	BOTTOM
N1531011	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA- THRU	535	125	BOTTOM
N1533523	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	
	J26. 6	3750	5250	BOTTOM
N1539261	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	2900	425	BOTTOM
N1555495	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3625	2400	BOTTOM

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N1555523	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	3825	2450 BOTTOM
N1559595	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
	J24. 2	1596. 85	346. 85 BOTTOM
N1559693	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
	J24. 3	1203. 15	346. 85 BOTTOM
N1559701	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA- THRU	2100	800 BOTTOM
N1559741	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA- THRU	2050	675 BOTTOM
N1559789	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA- THRU	2050	600 BOTTOM
N1559793	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA- THRU	2200	600 BOTTOM
N1559805	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA- THRU	1925	725 BOTTOM
N1559809	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA- THRU	2200	700 BOTTOM
N1559889	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA- THRU	1625	600 BOTTOM
N1559893	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA- THRU	1625	725 BOTTOM
N1566695	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
	J14. 3	1500	2525 BOTTOM
N1566699	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0

	J14. 4	1500	report 2425	BOTTOM
N1566711	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	
	J14. 5	1500	2325	BOTTOM
N1566729	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	
	J14. 6	1500	2225	BOTTOM
N1567321	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	2825	2625	BOTTOM
N1587413	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	1675	1025	BOTTOM
N1587417	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	1725	1125	BOTTOM
N1587432	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	1675	1225	BOTTOM
N1587436	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	1800	1275	BOTTOM
N1590681	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA- THRU	1225	2500	BOTTOM
N1590781	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	1125	2600	BOTTOM
N1591826	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	2050	4900	BOTTOM
N1604916	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	1075	1225	BOTTOM
N1623613	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA- THRU	4240	2675	BOTTOM

	#TP=	#TP_PINS=	report	#TP_VIAS=
N1623617	1	0		1
	TP- VIA- THRU	4250	2600	BOTTOM
N1623783	1	0		1
	TP- VIA- THRU	4250	2750	BOTTOM
N1623798	1	0		1
	TP- VIA	4350	2900	BOTTOM
N1623806	1	0		1
	TP- VIA- THRU	4250	2825	BOTTOM
N1624131	1	0		1
	TP- VIA	3980	2665	BOTTOM
N1625332	1	0		1
	TP- VIA	3700	2575	BOTTOM
N1625693	1	0		1
	TP- VIA- THRU	3850	2715	BOTTOM
N1625710	1	0		1
	TP- VIA- THRU	3350	2975	BOTTOM
N1629229	1	0		1
	TP- VIA	1675	1800	BOTTOM
N1629235	1	0		1
	TP- VIA	1750	1575	BOTTOM
N1629247	1	0		1
	TP- VIA	2025	1750	BOTTOM
N1665945	1	0		1
	TP- VIA	1750	5075	BOTTOM
N1667566	1	0		1
	TP- VIA	2650	4725	BOTTOM

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N1673049	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	2875	1525
			BOTTOM
N1679053	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA- THRU	3200	475
			BOTTOM
N1679057	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	3100	475
			BOTTOM
N1679061	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA- THRU	3400	475
			BOTTOM
N1679065	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	3300	475
			BOTTOM
N1684734	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	2425	3350
			BOTTOM
N1685732	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA- THRU	1800	3625
			BOTTOM
N1685768	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	1950	3225
			BOTTOM
N1689897	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	3975	1750
			BOTTOM
N1689974	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA- THRU	3875	1750
			BOTTOM
N1690039	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA- THRU	4100	1600
			BOTTOM
N1690043	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA- THRU	4025	1600
			BOTTOM
N1690521	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1

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	TP- VIA	3975	1900	BOTTOM
N1695290	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3750	925	BOTTOM
N1695294	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3950	900	BOTTOM
N1695311	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA- THRU	3675	975	BOTTOM
N1695339	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA- THRU	3875	850	BOTTOM
N1696443	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	4025	600	BOTTOM
N1696458	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	4075	825	BOTTOM
N1696478	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3750	825	BOTTOM
N1698066	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA- THRU	3850	620	BOTTOM
N1698070	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	
	J25. 1	4000	150	BOTTOM
N1709860	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3550	1200	BOTTOM
N1709864	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3650	1200	BOTTOM
N1710180	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3350	1325	BOTTOM

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N1710296	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	3425	1525 BOTTOM
N1710421	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	3700	1500 BOTTOM
N1712560	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	3225	1575 BOTTOM
N1734795	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA- THRU	1210	1895 BOTTOM
N1748331	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	1750	4915 BOTTOM
N1817443	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
	J29. 2	3200	250 BOTTOM
N1817447	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	3200	330 BOTTOM
N1817451	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
	J29. 6	3300	250 BOTTOM
N1817455	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	3400	330 BOTTOM
N1817459	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
	J29. 10	3400	250 BOTTOM
N1820156	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	2800	1025 BOTTOM
N1829292	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
	TP- VIA	3195	4910 BOTTOM
N1829428	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1

	TP- VIA	2325	report 4550	BOTTOM
N1829444	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	2725	4975	BOTTOM
N1867558	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3700	1600	BOTTOM
N1869202	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3300	1475	BOTTOM
N1872867	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3700	1300	BOTTOM
N1872874	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3700	1400	BOTTOM
N1884751	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA- THRU	2675	1950	BOTTOM
N1898345	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	4055	2835	BOTTOM
N1966118	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3595	2785	BOTTOM
N1971526	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA- THRU	3750	2775	BOTTOM
N1987490	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3800	4000	BOTTOM
N1987556	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3945	3965	BOTTOM
N1988686	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA- THRU	4050	3800	BOTTOM

	#TP=	#TP_PINS=	report	#TP_VIAS=
N1988690	1	0		1
	TP- VIA- THRU	3700	3825	BOTTOM
N1989067	1	0		1
	TP- VIA	4030	4130	BOTTOM
N1989150	1	0		1
	TP- VIA	3720	4130	BOTTOM
N1990654	1	0		1
	TP- VIA	3940	3795	BOTTOM
N2041517	1	0		1
	TP- VIA	1675	925	BOTTOM
N2041607	1	0		1
	TP- VIA	1675	1325	BOTTOM
N2041877	1	0		1
	TP- VIA	1575	4725	BOTTOM
N2061167	1	0		1
	TP- VIA	4175	1100	BOTTOM
N2061181	1	0		1
	TP- VIA	4175	1200	BOTTOM
N2061537	1	0		1
	TP- VIA	4175	975	BOTTOM
N2061549	1	0		1
	TP- VIA	4175	850	BOTTOM
N2061860	1	0		1
	TP- VIA	3140	1000	BOTTOM
N2061864	1	0		1
	TP- VIA	4175	750	BOTTOM

report

 N2062168 #TP= 1 #TP_PINS= 0 #TP_VIAS= 1

 TP- VIA 3100 1350 BOTTOM

 N2119871 #TP= 1 #TP_PINS= 0 #TP_VIAS= 1

 TP- VIA- THRU 100 2475 BOTTOM

 N2119974 #TP= 1 #TP_PINS= 0 #TP_VIAS= 1

 TP- VIA- THRU 275 2475 BOTTOM

 N2123884 #TP= 1 #TP_PINS= 0 #TP_VIAS= 1

 TP- VIA 450 2575 BOTTOM

 N2123888 #TP= 1 #TP_PINS= 0 #TP_VIAS= 1

 TP- VIA 195 2525 BOTTOM

 N2124546 #TP= 1 #TP_PINS= 0 #TP_VIAS= 1

 TP- VIA- THRU 100 2650 BOTTOM

 N2124554 #TP= 1 #TP_PINS= 0 #TP_VIAS= 1

 TP- VIA- THRU 275 2650 BOTTOM

 N2142821 #TP= 1 #TP_PINS= 0 #TP_VIAS= 1

 TP- VIA 950 1175 BOTTOM

 N2143030 #TP= 1 #TP_PINS= 0 #TP_VIAS= 1

 TP- VIA 800 1075 BOTTOM

 N2167567 #TP= 1 #TP_PINS= 0 #TP_VIAS= 1

 TP- VIA- THRU 985 1900 BOTTOM

 N2177628 #TP= 1 #TP_PINS= 0 #TP_VIAS= 1

 TP- VIA 2975 1150 BOTTOM

 N2177632 #TP= 1 #TP_PINS= 0 #TP_VIAS= 1

 TP- VIA 3025 1250 BOTTOM

 N2177636 #TP= 1 #TP_PINS= 0 #TP_VIAS= 1

report

	TP- VIA	2000	1375	BOTTOM
N2177646	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	1925	1500	BOTTOM
N2377398	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA- THRU	2675	1610	BOTTOM
ON_OFF	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	
	J26. 36	2250	5250	BOTTOM
OVERHEAT	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	
	J26. 39	2050	5350	BOTTOM
PA2_FSS	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3425	1700	BOTTOM
PA2_SCLK	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3500	2450	BOTTOM
PA4_MISO	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3575	2175	BOTTOM
PA5_MOSI	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	2300	2575	BOTTOM
PD1	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3250	4725	BOTTOM
PGOOD	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	3945	3890	BOTTOM
PI_BUSY	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	
	J26. 32	2450	5250	BOTTOM
PI_MISO	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	
	J26. 34	2350	5250	BOTTOM

report

PI_MOSI	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J26. 29	2550	5350	BOTTOM
PI_PCS1	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J26. 30	2550	5250	BOTTOM
PI_PCS0	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J26. 33	2350	5350	BOTTOM
PI_SCLK	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J26. 31	2450	5350	BOTTOM
PRESSURE_IN	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J26. 53	1350	5350	BOTTOM
PUMP_FAULT	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J26. 24	2850	5250	BOTTOM
PUMP_INDEX	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J26. 43	1850	5350	BOTTOM
PUMP_MOTOR_EN	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J26. 46	1750	5250	BOTTOM
PUMP_PWM	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J26. 25	2750	5350	BOTTOM
PUMP_TACH_A	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J26. 28	2650	5250	BOTTOM
PUMP_TACH_B	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J26. 27	2650	5350	BOTTOM
PWR_OFF	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J26. 40	2050	5250	BOTTOM
RS232_LEVEL_RX	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0

			report	
	J31. 5	200	500	BOTTOM
RS232_LEVEL_TX	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	
	J31. 3	200	600	BOTTOM
RS232_REF	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	
	J31. 9	200	300	BOTTOM
RST_N	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA- THRU	3500	475	BOTTOM
RTC_IRQ	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	2550	2400	BOTTOM
RTC_SQW	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	2425	2050	BOTTOM
SND	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	
	J26. 35	2250	5350	BOTTOM
SOUND	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	1550	2950	BOTTOM
SOUND_BZ0	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	2225	4150	BOTTOM
SOUND_BZ1	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	1600	2850	BOTTOM
SPEAKER_LB	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	850	2475	BOTTOM
SPEAKER_N	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	4225	1950	BOTTOM
SPEAKER_P	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	
	TP- VIA	4175	1750	BOTTOM

	#TP=	#TP_PINS=	report	#TP_VIAS=
SPEAKER_SHUTDOWN	1	0		1
TP- VIA- THRU		3900	2300	BOTTOM
SSCS_MI_CROSD	1	0		1
TP- VIA		2425	475	BOTTOM
SSCS_RTC_	1	0		1
TP- VIA		2150	1650	BOTTOM
SSCS_SRFLASHROM1	1	0		1
TP- VIA		4250	2400	BOTTOM
SSCS_SRFLASHROM2	1	0		1
TP- VIA		3900	2400	BOTTOM
TEMP_IN	1	1		0
J26. 61		950	5350	BOTTOM
TEMP_IN_LP	1	1		0
J26. 44		1850	5250	BOTTOM
TEMP_IN_REF	1	1		0
J26. 57		1150	5350	BOTTOM
TEMP_OUT	1	1		0
J26. 59		1050	5350	BOTTOM
TEMP_OUT_LP	1	1		0
J26. 42		1950	5250	BOTTOM
TEMP_OUT_REF	1	1		0
J26. 55		1250	5350	BOTTOM
THERMOPILE_REF	1	1		0
J26. 63		850	5350	BOTTOM
TOUCHLED_GR	1	0		1
TP- VIA		425	3625	BOTTOM

report

TOUCHLED_RD	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J27. 15	1375	4375	BOTTOM
TOUCH_COLO	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J27. 7	1375	3575	BOTTOM
TOUCH_COL1	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J27. 8	1375	3675	BOTTOM
TOUCH_COL2	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J27. 9	1375	3775	BOTTOM
TOUCH_COL3	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J27. 10	1375	3875	BOTTOM
TOUCH_COL4	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J27. 11	1375	3975	BOTTOM
TOUCH_COL5	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J27. 12	1375	4075	BOTTOM
TOUCH_COL6	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J27. 13	1375	4175	BOTTOM
TOUCH_COL7	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J27. 14	1375	4275	BOTTOM
TOUCH_FRAME_GND	#TP= 2	#TP_PINS= 1	#TP_VIAS= 1
J27. 20	1375	4875	BOTTOM
TP- VIA	725	3250	BOTTOM
TOUCH_LB	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J27. 18	1375	4675	BOTTOM
TOUCH_LED_RD_A	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0
J27. 17	1375	4575	BOTTOM

	#TP=	#TP_PINS=	report #TP_VIAS=	
TOUCH_ROW0	1	1	0	
	J27. 6	1375	3475	BOTTOM
TOUCH_ROW1	1	1	0	
	J27. 5	1375	3375	BOTTOM
TOUCH_ROW2	1	1	0	
	J27. 4	1375	3275	BOTTOM
TOUCH_ROW3	1	1	0	
	J27. 3	1375	3175	BOTTOM
TOUCH_ROW4	1	1	0	
	J27. 2	1375	3075	BOTTOM
TOUCH_ROW5	1	1	0	
	J27. 1	1375	2975	BOTTOM
UC_AIR_DET	1	0	1	
	TP- VIA	2825	3425	BOTTOM
UC_DOOR_SIG	1	0	1	
	TP- VIA	2375	1950	BOTTOM
UC_FLUID_DET	1	0	1	
	TP- VIA	3025	3875	BOTTOM
UC_INT_CAN_SYSTEM	01	0	1	
	TP- VIA	2975	3475	BOTTOM
UC_ON_OFF	1	0	1	
	TP- VIA	2750	4050	BOTTOM
UC_PUMP_FAULT	1	0	1	
	TP- VIA	2700	3775	BOTTOM
UC_PUMP_INDEX	1	0	1	
	TP- VIA	2775	1400	BOTTOM

report

UC_PUMP_PWM	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA- THRU	2665	1100	BOTTOM
UC_PUMP_TACH_A	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	2425	4775	BOTTOM
UC_PUMP_TACH_B	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	3150	725	BOTTOM
UC_VALUE_CLOSED_S	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	2375	3850	BOTTOM
UC_VALUE_L_A_SIG	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	1600	2375	BOTTOM
UC_VALUE_L_A_SIG	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	1550	1750	BOTTOM
UC_VALUE_L_B_SIG	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	1825	2350	BOTTOM
UC_VALUE_L_B_SIG	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	1650	2000	BOTTOM
UC_VALUE_OPEN_SIG	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	3200	2125	BOTTOM
UC_VALVE_FAULT	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1
TP- VIA	2550	3775	BOTTOM
USB_PIN	#TP= 11	#TP_PINS= 1	#TP_VIAS= 10
J14. 1	1500	2725	BOTTOM
TP- VIA	3400	1025	BOTTOM
TP- VIA	2400	925	BOTTOM
TP- VIA	700	5150	BOTTOM
TP- VIA	3900	1350	BOTTOM
TP- VIA	450	225	BOTTOM
TP- VIA	2575	4200	BOTTOM
TP- VIA	1200	4100	BOTTOM
TP- VIA	3650	1825	BOTTOM

			report	
TP- VIA		4025	2400	BOTTOM
TP- VIA		4275	3925	BOTTOM

USB_VBUS	#TP= 1	#TP_PINS= 0	#TP_VIAS= 1	

TP- VIA		2875	1100	BOTTOM

VALUE_CLOSED_SIG	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	

J26. 16		3250	5250	BOTTOM

VALUE_H_A_SIG	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	

J26. 21		2950	5350	BOTTOM

VALUE_H_B_SIG	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	

J26. 20		3050	5250	BOTTOM

VALUE_L_A_SIG	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	

J26. 23		2850	5350	BOTTOM

VALUE_L_B_SIG	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	

J26. 22		2950	5250	BOTTOM

VALUE_MID_SIG	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	

J26. 18		3150	5250	BOTTOM

VALUE_OPEN_SIG	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	

J26. 19		3050	5350	BOTTOM

VALVE_CURRENT	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	

J26. 51		1450	5350	BOTTOM

VALVE_FAULT	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	

J26. 26		2750	5250	BOTTOM

VBAT	#TP= 1	#TP_PINS= 1	#TP_VIAS= 0	

U28. 1		3672	2075	BOTTOM

report

N1629064
 N1659454
 N1690071
 N1690096
 N1697668
 N1697721
 N1709868
 N1709924
 N2112665

= List all nets and whether they have testpoints -- a2017C.pcb -- Mon May 20
 13: 53: 26 2013

Signal	TP in net?	#TP
+1. 8V	YES	1
+5. OVISO	YES	1
+5V	YES	9
+5VREF	YES	1
+12V	YES	1
+30V	YES	1
16MHZ	YES	1
AIR_DET	YES	1
AIR_TEST	YES	1
BATT_V	YES	1
BUZZER1_N	YES	1
BUZZER1_P	YES	1
BUZZER2_P	YES	1
BUZZER_LB	YES	1
CANSYSERROUT	YES	1
CAN_H	YES	1
CAN_L	YES	1
CAN_RC	YES	1
CAN_TX	YES	1
CPLD_AIR_TEST	YES	1
CPLD_DUARS232_RX	YES	1
CPLD_DUARS232_TX	YES	1
CPLD_FAULT_INTERRYES	YES	1
CPLD_FLUID_TEST	YES	1
CPLD_MAINRS232_RXYES	YES	1
CPLD_MAINRS232_TXYES	YES	1
CPLD_MUXRS232_RX	YES	1
CPLD_MUXRS232_TX	YES	1
CPLD_PI_BUSY	YES	1
CPLD_PI_MISO	YES	1
CPLD_PI_PCS1	YES	1
CPLD_PI_PCS0	YES	1
CPLD_PUMP_MOTOR_EYES	YES	1
CPLD_PWR_OFF	YES	1
CPLD_VALUE_H_A_SIYES	YES	1
CPLD_VALUE_H_B_SIYES	YES	1
DAURS232_RX	YES	1
DAURS232_TX	YES	1
DEBUG_RX	YES	1
DEBUG_TX	YES	1
DOOR_SIG	YES	1
EPIA0	YES	1
EPIA1	YES	1
EPIA2	YES	1
EPIA3_RDY	YES	1

report

EPI_CLOCK	YES	1
EPI_D0	YES	1
EPI_D1	YES	1
EPI_D2	YES	1
EPI_D3	YES	1
EPI_D4	YES	1
EPI_D5	YES	1
EPI_D6	YES	1
EPI_D7	YES	1
EPI_FRAME	YES	1
EPI_RD	YES	1
EPI_WR	YES	1
ERROR_SOUND_BZ0	YES	1
ERROR_SOUND_BZ1	YES	1
FLUID_DET	YES	1
FLUID_TEST	YES	1
GND_SIGNAL	YES	12
INT_CAN_SYSTEM_ERYES	YES	1
ISOUSB_DM_NUS	YES	1
ISOUSB_DPLUS	YES	1
ISOUSB_GND	YES	1
LCD_A0	YES	1
LCD_CNFO	YES	1
LCD_CNF1	YES	1
LCD_CS	YES	1
LCD_FPDATA0	YES	1
LCD_FPDATA1	YES	1
LCD_FPDATA2	YES	1
LCD_FPDATA3	YES	1
LCD_FPLINE	YES	1
LCD_FPSHIFT	YES	1
LCD_FRAME	YES	1
LCD_LUMC	YES	1
LCD_LUMD	YES	1
LCD_RDY	YES	1
LCD_RD	YES	1
LCD_SCAN_RATE	YES	1
LCD_TST	YES	1
LCD_WR	YES	1
LED_GR	YES	1
LED_RD	YES	1
LIGHT_PIPE_GRA	YES	1
LIGHT_PIPE_GRA_IOYES	YES	1
LIGHT_PIPE_RDA	YES	1
LIGHT_PIPE_RDA_IOYES	YES	1
MICROSD_IRQ	YES	1
MICROSD_PRESENT1	YES	1
N1530891	YES	1
N1531011	YES	1
N1533523	YES	1
N1539261	YES	1
N1555495	YES	1
N1555523	YES	1
N1559595	YES	1
N1559693	YES	1
N1559701	YES	1
N1559741	YES	1
N1559789	YES	1
N1559793	YES	1
N1559805	YES	1
N1559809	YES	1
N1559889	YES	1
N1559893	YES	1

report

N1566695	YES	1
N1566699	YES	1
N1566711	YES	1
N1566729	YES	1
N1567321	YES	1
N1587413	YES	1
N1587417	YES	1
N1587432	YES	1
N1587436	YES	1
N1590681	YES	1
N1590781	YES	1
N1591826	YES	1
N1604916	YES	1
N1623613	YES	1
N1623617	YES	1
N1623783	YES	1
N1623798	YES	1
N1623806	YES	1
N1624131	YES	1
N1625332	YES	1
N1625693	YES	1
N1625710	YES	1
N1629064	NO	0
N1629229	YES	1
N1629235	YES	1
N1629247	YES	1
N1659454	NO	0
N1665945	YES	1
N1667566	YES	1
N1673049	YES	1
N1679053	YES	1
N1679057	YES	1
N1679061	YES	1
N1679065	YES	1
N1684734	YES	1
N1685732	YES	1
N1685768	YES	1
N1689897	YES	1
N1689974	YES	1
N1690039	YES	1
N1690043	YES	1
N1690071	NO	0
N1690096	NO	0
N1690521	YES	1
N1695290	YES	1
N1695294	YES	1
N1695311	YES	1
N1695339	YES	1
N1696443	YES	1
N1696458	YES	1
N1696478	YES	1
N1697668	NO	0
N1697721	NO	0
N1698066	YES	1
N1698070	YES	1
N1709860	YES	1
N1709864	YES	1
N1709868	NO	0
N1709924	NO	0
N1710180	YES	1
N1710296	YES	1
N1710421	YES	1
N1712560	YES	1

report

N1734795	YES	1
N1748331	YES	1
N1817443	YES	1
N1817447	YES	1
N1817451	YES	1
N1817455	YES	1
N1817459	YES	1
N1820156	YES	1
N1829292	YES	1
N1829428	YES	1
N1829444	YES	1
N1867558	YES	1
N1869202	YES	1
N1872867	YES	1
N1872874	YES	1
N1884751	YES	1
N1898345	YES	1
N1966118	YES	1
N1971526	YES	1
N1987490	YES	1
N1987556	YES	1
N1988686	YES	1
N1988690	YES	1
N1989067	YES	1
N1989150	YES	1
N1990654	YES	1
N2041517	YES	1
N2041607	YES	1
N2041877	YES	1
N2061167	YES	1
N2061181	YES	1
N2061537	YES	1
N2061549	YES	1
N2061860	YES	1
N2061864	YES	1
N2062168	YES	1
N2112665	NO	0
N2119871	YES	1
N2119974	YES	1
N2123884	YES	1
N2123888	YES	1
N2124546	YES	1
N2124554	YES	1
N2142821	YES	1
N2143030	YES	1
N2167567	YES	1
N2177628	YES	1
N2177632	YES	1
N2177636	YES	1
N2177646	YES	1
N2377398	YES	1
ON_OFF	YES	1
OVERHEAT	YES	1
PA2_FSS	YES	1
PA2_SCLK	YES	1
PA4_MISO	YES	1
PA5_MOSI	YES	1
PD1	YES	1
PGOOD	YES	1
PI_BUSY	YES	1
PI_MISO	YES	1
PI_MOSI	YES	1
PI_PCS1	YES	1

report

PI_PCSO	YES	1
PI_SCLK	YES	1
PRESSURE_IN	YES	1
PUMP_FAULT	YES	1
PUMP_INDEX	YES	1
PUMP_MOTOR_EN	YES	1
PUMP_PWM	YES	1
PUMP_TACH_A	YES	1
PUMP_TACH_B	YES	1
PWR_OFF	YES	1
RS232_LEVEL_RX	YES	1
RS232_LEVEL_TX	YES	1
RS232_REF	YES	1
RST_N	YES	1
RTC_IRQ	YES	1
RTC_SQW	YES	1
SND	YES	1
SOUND	YES	1
SOUND_BZO	YES	1
SOUND_BZ1	YES	1
SPEAKER_LB	YES	1
SPEAKER_N	YES	1
SPEAKER_P	YES	1
SPEAKER_SHUTDOWN	YES	1
SSCS_MICROSD	YES	1
SSCS_RTC	YES	1
SSCS_SRFLASHROM1	YES	1
SSCS_SRFLASHROM2	YES	1
TEMP_IN	YES	1
TEMP_IN_LP	YES	1
TEMP_IN_REF	YES	1
TEMP_OUT	YES	1
TEMP_OUT_LP	YES	1
TEMP_OUT_REF	YES	1
THERMOPILE_REF	YES	1
TOUCHLED_GR	YES	1
TOUCHLED_RD	YES	1
TOUCH_COLO	YES	1
TOUCH_COL1	YES	1
TOUCH_COL2	YES	1
TOUCH_COL3	YES	1
TOUCH_COL4	YES	1
TOUCH_COL5	YES	1
TOUCH_COL6	YES	1
TOUCH_COL7	YES	1
TOUCH_FRAME_GND	YES	2
TOUCH_LB	YES	1
TOUCH_LED_RD_A	YES	1
TOUCH_ROW0	YES	1
TOUCH_ROW1	YES	1
TOUCH_ROW2	YES	1
TOUCH_ROW3	YES	1
TOUCH_ROW4	YES	1
TOUCH_ROW5	YES	1
UC_AIR_DET	YES	1
UC_DOOR_SIG	YES	1
UC_FLUID_DET	YES	1
UC_INT_CAN_SYSTEMYESROR	YES	1
UC_ON_OFF	YES	1
UC_PUMP_FAULT	YES	1
UC_PUMP_INDEX	YES	1
UC_PUMP_PWM	YES	1
UC_PUMP_TACH_A	YES	1

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UC_PUMP_TACH_B	YES	1
UC_VALUE_CLOSED_SYES		1
UC_VALUE_L_A_SIG	YES	1
UC_VALUE_L_A_SIG	YES	1
UC_VALUE_L_B_SIG	YES	1
UC_VALUE_L_B_SIG	YES	1
UC_VALUE_OPEN_SIG	YES	1
UC_VALVE_FAULT	YES	1
USB_PIN	YES	11
USB_VBUS	YES	1
VALUE_CLOSED_SIG	YES	1
VALUE_H_A_SIG	YES	1
VALUE_H_B_SIG	YES	1
VALUE_L_A_SIG	YES	1
VALUE_L_B_SIG	YES	1
VALUE_MID_SIG	YES	1
VALUE_OPEN_SIG	YES	1
VALVE_CURRENT	YES	1
VALVE_FAULT	YES	1
VBAT	YES	1

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= All TP on board, by net -- a2017C.pcb -- Mon May 20 13:53:26 2013

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Signal name	TP Name	X	Y	Side
+1.8V	TP-VIA	3150	3600	BOTTOM
+5.0VISO	TP-VIA	650	1900	BOTTOM
+5V	J21.5	1025	3492.52	BOTTOM
+5V	TP-VIA	1275	1700	BOTTOM
+5V	TP-VIA	4050	3500	BOTTOM
+5V	TP-VIA	950	1375	BOTTOM
+5V	TP-VIA	1525	550	BOTTOM
+5V	TP-VIA	3550	4425	BOTTOM
+5V	TP-VIA	500	2050	BOTTOM
+5V	TP-VIA	3925	2125	BOTTOM
+5V	TP-VIA	3375	3800	BOTTOM
+5VREF	J26.49	1550	5350	BOTTOM
+12V	J21.2	946.26	3650	BOTTOM
+30V	TP-VIA	850	1550	BOTTOM
16MHZ	TP-VIA	3100	1775	BOTTOM
AIR_DET	J26.14	3350	5250	BOTTOM
AIR_TEST	J26.17	3150	5350	BOTTOM
BATT_V	TP-VIA	2750	1175	BOTTOM
BUZZER1_N	JP12.1	725	4775	BOTTOM
BUZZER1_P	SU1.2	2000	4345.28	BOTTOM
BUZZER2_P	SU2.2	2950	4345.28	BOTTOM
BUZZER_LB	TP-VIA	2925	3625	BOTTOM
CANSYSERROUT	TP-VIA-THRU	3675	2200	BOTTOM
CAN_H	TP-VIA	1175	2400	BOTTOM
CAN_L	TP-VIA	3625	3250	BOTTOM
CAN_RC	TP-VIA	1425	2000	BOTTOM
CAN_TX	TP-VIA	1375	2300	BOTTOM
CPLD_AIR_TEST	TP-VIA	3100	4500	BOTTOM
CPLD_DUARS232_RX	TP-VIA	2800	3550	BOTTOM
CPLD_DUARS232_TX	TP-VIA	2050	3075	BOTTOM
CPLD_FAULT_INTERT	TP-VIA	2200	1850	BOTTOM
CPLD_FLUID_TEST	TP-VIA	1975	2000	BOTTOM
CPLD_MAINRS232_RTP	TP-VIA	2375	1450	BOTTOM
CPLD_MAINRS232_TTP	TP-VIA	2100	2450	BOTTOM

CPLD_MUXRS232_RXTP- VIA	2050	2325	BOTTOM
CPLD_MUXRS232_TXTP- VIA	2475	1275	BOTTOM
CPLD_PI_BUSY TP- VIA	2125	4775	BOTTOM
CPLD_PI_MISO TP- VIA	1875	2075	BOTTOM
CPLD_PI_PCS1 TP- VIA	1750	2000	BOTTOM
CPLD_PI_PCS0 TP- VIA	1750	2125	BOTTOM
CPLD_PUMP_MOTOR_TP- VIA	2550	4975	BOTTOM
CPLD_PWR_OFF TP- VIA	1725	4350	BOTTOM
CPLD_VALUE_H_A_STP- VIA- THRU	2800	2950	BOTTOM
CPLD_VALUE_H_B_STP- VIA- THRU	2800	4250	BOTTOM
DAURS232_RX J26. 41	1950	5350	BOTTOM
DAURS232_TX J26. 38	2150	5250	BOTTOM
DEBUG_RX TP- VIA	1850	775	BOTTOM
DEBUG_TX TP- VIA	1750	725	BOTTOM
DOOR_SIG J26. 37	2150	5350	BOTTOM
EPIA0 TP- VIA- THRU	2750	2800	BOTTOM
EPIA1 TP- VIA	1625	2500	BOTTOM
EPIA2 TP- VIA	3025	1600	BOTTOM
EPIA3_RDY TP- VIA	2650	1000	BOTTOM
EPI CLOCK TP- VIA- THRU	2125	925	BOTTOM
EPI D0 TP- VIA	2675	3525	BOTTOM
EPI D1 TP- VIA	2625	2850	BOTTOM
EPI D2 TP- VIA	2600	3450	BOTTOM
EPI D3 TP- VIA	2450	3550	BOTTOM
EPI D4 TP- VIA	2675	2175	BOTTOM
EPI D5 TP- VIA	2400	3100	BOTTOM
EPI D6 TP- VIA	2375	2875	BOTTOM
EPI D7 TP- VIA	2950	3000	BOTTOM
EPI FRAME TP- VIA	3275	950	BOTTOM
EPI RD TP- VIA	3100	850	BOTTOM
EPI WR TP- VIA	2250	2050	BOTTOM
ERROR_SOUND_BZ0 TP- VIA	1450	4400	BOTTOM
ERROR_SOUND_BZ1 TP- VIA	2400	4400	BOTTOM
FLUID_DET J26. 13	3350	5350	BOTTOM
FLUID_TEST J26. 15	3250	5350	BOTTOM
GND_SIGNAL J27. 19	1375	4775	BOTTOM
GND_SIGNAL J26. 11	3450	5350	BOTTOM
GND_SIGNAL JP12. 2	625	4775	BOTTOM
GND_SIGNAL J14. 2	1500	2625	BOTTOM
GND_SIGNAL J26. 52	1450	5250	BOTTOM
GND_SIGNAL J26. 56	1250	5250	BOTTOM
GND_SIGNAL J26. 60	1050	5250	BOTTOM
GND_SIGNAL J26. 64	850	5250	BOTTOM
GND_SIGNAL J26. 48	1650	5250	BOTTOM
GND_SIGNAL J27. 16	1375	4475	BOTTOM
GND_SIGNAL J24. 1	1400	150	BOTTOM
GND_SIGNAL U28. 2	2865	2075	BOTTOM
INT_CAN_SYSTEM_ETP- VIA	3675	3350	BOTTOM
ISOUSB_DM_NUS TP- VIA	460	1355	BOTTOM
ISOUSB_DPLUS TP- VIA	460	1195	BOTTOM
ISOUSB_GND TP- VIA	700	1250	BOTTOM
LCD_A0 TP- VIA	1600	3050	BOTTOM
LCD_CNFO TP- VIA	1850	3225	BOTTOM
LCD_CNF1 TP- VIA	2275	2900	BOTTOM
LCD_CS TP- VIA	2550	2650	BOTTOM
LCD_FPDATA0 J21. 13	1025	3177. 56	BOTTOM
LCD_FPDATA1 J21. 15	1025	3098. 82	BOTTOM
LCD_FPDATA2 J21. 17	1025	3020. 08	BOTTOM
LCD_FPDATA3 J21. 19	1025	2941. 34	BOTTOM
LCD_FPLINE J21. 7	1025	3413. 78	BOTTOM
LCD_FPSHIFT J21. 11	1025	3256. 3	BOTTOM
LCD_FRAME J21. 9	1025	3335. 04	BOTTOM
LCD_LUMC TP- VIA	550	3175	BOTTOM

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LCD_LUMD	TP- VIA	650	3025	BOTTOM
LCD_RDY	TP- VIA	2100	2050	BOTTOM
LCD_RD	TP- VIA- THRU	2600	3300	BOTTOM
LCD_SCAN_RATE	J21. 4	946. 26	3571. 26	BOTTOM
LCD_TST	J21. 3	1025	3571. 26	BOTTOM
LCD_WR	TP- VIA	2025	3300	BOTTOM
LED_GR	TP- VIA	600	225	BOTTOM
LED_RD	TP- VIA	450	125	BOTTOM
LIGHT_PIPE_GRA	TP- VIA	225	2100	BOTTOM
LIGHT_PIPE_GRA_I	TP- VIA	200	2750	BOTTOM
LIGHT_PIPE_RDA	TP- VIA	400	2175	BOTTOM
LIGHT_PIPE_RDA_I	TP- VIA	375	2750	BOTTOM
MICROSD_IRQ	TP- VIA	2325	1125	BOTTOM
MICROSD_PRESENT1	TP- VIA	2775	250	BOTTOM
N1530891	J26. 10	3550	5250	BOTTOM
N1531011	TP- VIA- THRU	535	125	BOTTOM
N1533523	J26. 6	3750	5250	BOTTOM
N1539261	TP- VIA	2900	425	BOTTOM
N1555495	TP- VIA	3625	2400	BOTTOM
N1555523	TP- VIA	3825	2450	BOTTOM
N1559595	J24. 2	1596. 85	346. 85	BOTTOM
N1559693	J24. 3	1203. 15	346. 85	BOTTOM
N1559701	TP- VIA- THRU	2100	800	BOTTOM
N1559741	TP- VIA- THRU	2050	675	BOTTOM
N1559789	TP- VIA- THRU	2050	600	BOTTOM
N1559793	TP- VIA- THRU	2200	600	BOTTOM
N1559805	TP- VIA- THRU	1925	725	BOTTOM
N1559809	TP- VIA- THRU	2200	700	BOTTOM
N1559889	TP- VIA- THRU	1625	600	BOTTOM
N1559893	TP- VIA- THRU	1625	725	BOTTOM
N1566695	J14. 3	1500	2525	BOTTOM
N1566699	J14. 4	1500	2425	BOTTOM
N1566711	J14. 5	1500	2325	BOTTOM
N1566729	J14. 6	1500	2225	BOTTOM
N1567321	TP- VIA	2825	2625	BOTTOM
N1587413	TP- VIA	1675	1025	BOTTOM
N1587417	TP- VIA	1725	1125	BOTTOM
N1587432	TP- VIA	1675	1225	BOTTOM
N1587436	TP- VIA	1800	1275	BOTTOM
N1590681	TP- VIA- THRU	1225	2500	BOTTOM
N1590781	TP- VIA	1125	2600	BOTTOM
N1591826	TP- VIA	2050	4900	BOTTOM
N1604916	TP- VIA	1075	1225	BOTTOM
N1623613	TP- VIA- THRU	4240	2675	BOTTOM
N1623617	TP- VIA- THRU	4250	2600	BOTTOM
N1623783	TP- VIA- THRU	4250	2750	BOTTOM
N1623798	TP- VIA	4350	2900	BOTTOM
N1623806	TP- VIA- THRU	4250	2825	BOTTOM
N1624131	TP- VIA	3980	2665	BOTTOM
N1625332	TP- VIA	3700	2575	BOTTOM
N1625693	TP- VIA- THRU	3850	2715	BOTTOM
N1625710	TP- VIA- THRU	3350	2975	BOTTOM
N1629229	TP- VIA	1675	1800	BOTTOM
N1629235	TP- VIA	1750	1575	BOTTOM
N1629247	TP- VIA	2025	1750	BOTTOM
N1665945	TP- VIA	1750	5075	BOTTOM
N1667566	TP- VIA	2650	4725	BOTTOM
N1673049	TP- VIA	2875	1525	BOTTOM
N1679053	TP- VIA- THRU	3200	475	BOTTOM
N1679057	TP- VIA	3100	475	BOTTOM
N1679061	TP- VIA- THRU	3400	475	BOTTOM
N1679065	TP- VIA	3300	475	BOTTOM
N1684734	TP- VIA	2425	3350	BOTTOM

N1685732	TP- VIA- THRU	1800	3625	BOTTOM
N1685768	TP- VIA	1950	3225	BOTTOM
N1689897	TP- VIA	3975	1750	BOTTOM
N1689974	TP- VIA- THRU	3875	1750	BOTTOM
N1690039	TP- VIA- THRU	4100	1600	BOTTOM
N1690043	TP- VIA- THRU	4025	1600	BOTTOM
N1690521	TP- VIA	3975	1900	BOTTOM
N1695290	TP- VIA	3750	925	BOTTOM
N1695294	TP- VIA	3950	900	BOTTOM
N1695311	TP- VIA- THRU	3675	975	BOTTOM
N1695339	TP- VIA- THRU	3875	850	BOTTOM
N1696443	TP- VIA	4025	600	BOTTOM
N1696458	TP- VIA	4075	825	BOTTOM
N1696478	TP- VIA	3750	825	BOTTOM
N1698066	TP- VIA- THRU	3850	620	BOTTOM
N1698070	J25. 1	4000	150	BOTTOM
N1709860	TP- VIA	3550	1200	BOTTOM
N1709864	TP- VIA	3650	1200	BOTTOM
N1710180	TP- VIA	3350	1325	BOTTOM
N1710296	TP- VIA	3425	1525	BOTTOM
N1710421	TP- VIA	3700	1500	BOTTOM
N1712560	TP- VIA	3225	1575	BOTTOM
N1734795	TP- VIA- THRU	1210	1895	BOTTOM
N1748331	TP- VIA	1750	4915	BOTTOM
N1817443	J29. 2	3200	250	BOTTOM
N1817447	TP- VIA	3200	330	BOTTOM
N1817451	J29. 6	3300	250	BOTTOM
N1817455	TP- VIA	3400	330	BOTTOM
N1817459	J29. 10	3400	250	BOTTOM
N1820156	TP- VIA	2800	1025	BOTTOM
N1829292	TP- VIA	3195	4910	BOTTOM
N1829428	TP- VIA	2325	4550	BOTTOM
N1829444	TP- VIA	2725	4975	BOTTOM
N1867558	TP- VIA	3700	1600	BOTTOM
N1869202	TP- VIA	3300	1475	BOTTOM
N1872867	TP- VIA	3700	1300	BOTTOM
N1872874	TP- VIA	3700	1400	BOTTOM
N1884751	TP- VIA- THRU	2675	1950	BOTTOM
N1898345	TP- VIA	4055	2835	BOTTOM
N1966118	TP- VIA	3595	2785	BOTTOM
N1971526	TP- VIA- THRU	3750	2775	BOTTOM
N1987490	TP- VIA	3800	4000	BOTTOM
N1987556	TP- VIA	3945	3965	BOTTOM
N1988686	TP- VIA- THRU	4050	3800	BOTTOM
N1988690	TP- VIA- THRU	3700	3825	BOTTOM
N1989067	TP- VIA	4030	4130	BOTTOM
N1989150	TP- VIA	3720	4130	BOTTOM
N1990654	TP- VIA	3940	3795	BOTTOM
N2041517	TP- VIA	1675	925	BOTTOM
N2041607	TP- VIA	1675	1325	BOTTOM
N2041877	TP- VIA	1575	4725	BOTTOM
N2061167	TP- VIA	4175	1100	BOTTOM
N2061181	TP- VIA	4175	1200	BOTTOM
N2061537	TP- VIA	4175	975	BOTTOM
N2061549	TP- VIA	4175	850	BOTTOM
N2061860	TP- VIA	3140	1000	BOTTOM
N2061864	TP- VIA	4175	750	BOTTOM
N2062168	TP- VIA	3100	1350	BOTTOM
N2119871	TP- VIA- THRU	100	2475	BOTTOM
N2119974	TP- VIA- THRU	275	2475	BOTTOM
N2123884	TP- VIA	450	2575	BOTTOM
N2123888	TP- VIA	195	2525	BOTTOM
N2124546	TP- VIA- THRU	100	2650	BOTTOM

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N2124554	TP- VIA- THRU	275	2650	BOTTOM
N2142821	TP- VIA	950	1175	BOTTOM
N2143030	TP- VIA	800	1075	BOTTOM
N2167567	TP- VIA- THRU	985	1900	BOTTOM
N2177628	TP- VIA	2975	1150	BOTTOM
N2177632	TP- VIA	3025	1250	BOTTOM
N2177636	TP- VIA	2000	1375	BOTTOM
N2177646	TP- VIA	1925	1500	BOTTOM
N2377398	TP- VIA- THRU	2675	1610	BOTTOM
ON_OFF	J26. 36	2250	5250	BOTTOM
OVERHEAT	J26. 39	2050	5350	BOTTOM
PA2_FSS	TP- VIA	3425	1700	BOTTOM
PA2_SCLK	TP- VIA	3500	2450	BOTTOM
PA4_MISO	TP- VIA	3575	2175	BOTTOM
PA5_MOSI	TP- VIA	2300	2575	BOTTOM
PD1	TP- VIA	3250	4725	BOTTOM
PGOOD	TP- VIA	3945	3890	BOTTOM
PI_BUSY	J26. 32	2450	5250	BOTTOM
PI_MISO	J26. 34	2350	5250	BOTTOM
PI_MOSI	J26. 29	2550	5350	BOTTOM
PI_PCS1	J26. 30	2550	5250	BOTTOM
PI_PCS0	J26. 33	2350	5350	BOTTOM
PI_SCLK	J26. 31	2450	5350	BOTTOM
PRESSURE_IN	J26. 53	1350	5350	BOTTOM
PUMP_FAULT	J26. 24	2850	5250	BOTTOM
PUMP_INDEX	J26. 43	1850	5350	BOTTOM
PUMP_MOTOR_EN	J26. 46	1750	5250	BOTTOM
PUMP_PWM	J26. 25	2750	5350	BOTTOM
PUMP_TACH_A	J26. 28	2650	5250	BOTTOM
PUMP_TACH_B	J26. 27	2650	5350	BOTTOM
PWR_OFF	J26. 40	2050	5250	BOTTOM
RS232_LEVEL_RX	J31. 5	200	500	BOTTOM
RS232_LEVEL_TX	J31. 3	200	600	BOTTOM
RS232_REF	J31. 9	200	300	BOTTOM
RST_N	TP- VIA- THRU	3500	475	BOTTOM
RTC_IRQ	TP- VIA	2550	2400	BOTTOM
RTC_SQW	TP- VIA	2425	2050	BOTTOM
SND	J26. 35	2250	5350	BOTTOM
SOUND	TP- VIA	1550	2950	BOTTOM
SOUND_BZO	TP- VIA	2225	4150	BOTTOM
SOUND_BZ1	TP- VIA	1600	2850	BOTTOM
SPEAKER_LB	TP- VIA	850	2475	BOTTOM
SPEAKER_N	TP- VIA	4225	1950	BOTTOM
SPEAKER_P	TP- VIA	4175	1750	BOTTOM
SPEAKER_SHUTDOWN	TP- VIA- THRU	3900	2300	BOTTOM
SSCS_MICROSD	TP- VIA	2425	475	BOTTOM
SSCS_RTC	TP- VIA	2150	1650	BOTTOM
SSCS_SRFLASHROM1	TP- VIA	4250	2400	BOTTOM
SSCS_SRFLASHROM2	TP- VIA	3900	2400	BOTTOM
TEMP_IN	J26. 61	950	5350	BOTTOM
TEMP_IN_LP	J26. 44	1850	5250	BOTTOM
TEMP_IN_REF	J26. 57	1150	5350	BOTTOM
TEMP_OUT	J26. 59	1050	5350	BOTTOM
TEMP_OUT_LP	J26. 42	1950	5250	BOTTOM
TEMP_OUT_REF	J26. 55	1250	5350	BOTTOM
THERMOPILE_REF	J26. 63	850	5350	BOTTOM
TOUCHLED_GR	TP- VIA	425	3625	BOTTOM
TOUCHLED_RD	J27. 15	1375	4375	BOTTOM
TOUCH_COLO	J27. 7	1375	3575	BOTTOM
TOUCH_COL1	J27. 8	1375	3675	BOTTOM
TOUCH_COL2	J27. 9	1375	3775	BOTTOM
TOUCH_COL3	J27. 10	1375	3875	BOTTOM
TOUCH_COL4	J27. 11	1375	3975	BOTTOM

TOUCH_COL5	J27. 12	1375	4075	BOTTOM
TOUCH_COL6	J27. 13	1375	4175	BOTTOM
TOUCH_COL7	J27. 14	1375	4275	BOTTOM
TOUCH_FRAME_GND	J27. 20	1375	4875	BOTTOM
TOUCH_FRAME_GND	TP- VIA	725	3250	BOTTOM
TOUCH_LB	J27. 18	1375	4675	BOTTOM
TOUCH_LED_RD_A	J27. 17	1375	4575	BOTTOM
TOUCH_ROW0	J27. 6	1375	3475	BOTTOM
TOUCH_ROW1	J27. 5	1375	3375	BOTTOM
TOUCH_ROW2	J27. 4	1375	3275	BOTTOM
TOUCH_ROW3	J27. 3	1375	3175	BOTTOM
TOUCH_ROW4	J27. 2	1375	3075	BOTTOM
TOUCH_ROW5	J27. 1	1375	2975	BOTTOM
UC_AIR_DET	TP- VIA	2825	3425	BOTTOM
UC_DOOR_SIG	TP- VIA	2375	1950	BOTTOM
UC_FLUID_DET	TP- VIA	3025	3875	BOTTOM
UC_INT_CAN_SYSTETP	VIAR	2975	3475	BOTTOM
UC_ON_OFF	TP- VIA	2750	4050	BOTTOM
UC_PUMP_FAULT	TP- VIA	2700	3775	BOTTOM
UC_PUMP_INDEX	TP- VIA	2775	1400	BOTTOM
UC_PUMP_PWM	TP- VIA- THRU	2665	1100	BOTTOM
UC_PUMP_TACH_A	TP- VIA	2425	4775	BOTTOM
UC_PUMP_TACH_B	TP- VIA	3150	725	BOTTOM
UC_VALUE_CLOSED	TP- VIA	2375	3850	BOTTOM
UC_VALUE_L_A_SIG	TP- VIA	1600	2375	BOTTOM
UC_VALUE_L_A_SIG	TP- VIA	1550	1750	BOTTOM
UC_VALUE_L_B_SIG	TP- VIA	1825	2350	BOTTOM
UC_VALUE_L_B_SIG	TP- VIA	1650	2000	BOTTOM
UC_VALUE_OPEN_SITP	VIA	3200	2125	BOTTOM
UC_VALVE_FAULT	TP- VIA	2550	3775	BOTTOM
USB_PIN	J14. 1	1500	2725	BOTTOM
USB_PIN	TP- VIA	3400	1025	BOTTOM
USB_PIN	TP- VIA	2400	925	BOTTOM
USB_PIN	TP- VIA	700	5150	BOTTOM
USB_PIN	TP- VIA	3900	1350	BOTTOM
USB_PIN	TP- VIA	450	225	BOTTOM
USB_PIN	TP- VIA	2575	4200	BOTTOM
USB_PIN	TP- VIA	1200	4100	BOTTOM
USB_PIN	TP- VIA	3650	1825	BOTTOM
USB_PIN	TP- VIA	4025	2400	BOTTOM
USB_PIN	TP- VIA	4275	3925	BOTTOM
USB_VBUS	TP- VIA	2875	1100	BOTTOM
VALUE_CLOSED_SIG	J26. 16	3250	5250	BOTTOM
VALUE_H_A_SIG	J26. 21	2950	5350	BOTTOM
VALUE_H_B_SIG	J26. 20	3050	5250	BOTTOM
VALUE_L_A_SIG	J26. 23	2850	5350	BOTTOM
VALUE_L_B_SIG	J26. 22	2950	5250	BOTTOM
VALUE_MID_SIG	J26. 18	3150	5250	BOTTOM
VALUE_OPEN_SIG	J26. 19	3050	5350	BOTTOM
VALVE_CURRENT	J26. 51	1450	5350	BOTTOM
VALVE_FAULT	J26. 26	2750	5250	BOTTOM
VBAT	U28. 1	3672	2075	BOTTOM
NONE	J31. 10	300	300	BOTTOM
NONE	J31. 8	300	400	BOTTOM
NONE	J31. 7	200	400	BOTTOM
NONE	J31. 6	300	500	BOTTOM
NONE	J31. 4	300	600	BOTTOM
NONE	J31. 2	300	700	BOTTOM
NONE	J31. 1	200	700	BOTTOM
NONE	J26. 47	1650	5350	BOTTOM
NONE	J26. 45	1750	5350	BOTTOM
NONE	J26. 8	3650	5250	BOTTOM
NONE	J26. 7	3650	5350	BOTTOM

NONE	J26. 5	3750	report 5350	BOTTOM
NONE	J26. 4	3850	5250	BOTTOM
NONE	J26. 3	3850	5350	BOTTOM
NONE	J26. 2	3950	5250	BOTTOM
NONE	J26. 1	3950	5350	BOTTOM