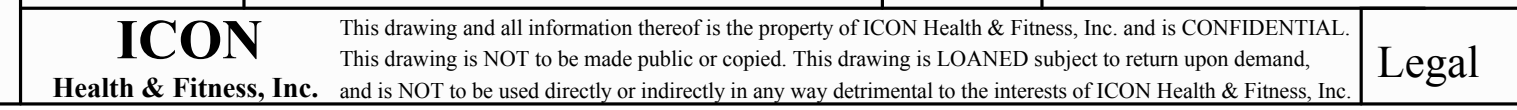


SCH DrawingNumber

Settings switches
We will use Key output9 specifically for all board switches
All led Resistors are 470, this is to reduce total current draw



Bill of Materials

<Parameter Title not found>

Source Data From: MainBoard.PrjPcb
Project: MainBoard.PrjPcb
Variant: None

Creation Date: 10/10/2014 8:47:54 AM
Print Date: 41922 41922.36667

Footprint	Comment	LibRef	Designator	Description	Quantity
100uF_6.3V_Tant_0805	100UF_TANT_6.3V_0805	100UF_TANT_6.3V_0805	C1, C2	Capacitor	2
RC0603REFLOW-IPC	0.01UF_0603REFLOW	0.01UF_0603REFLOW	C3, C4, C5, C6, C7, C9, C11, C12	Capacitor	8
CAP_100RP42_6MMDIA	10UF_RP_16V_100	10UF_RP_16V_100	C8, C10	Capacitor	2
DIODE400/70/42	1N4001	1N4001	D1	Diode	1
DIODE400/60/32	1N4148	5283	D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13	Diode, 1N4148, 75V, 0.4 in., DO-35, 150mA, Switching, 500mW, Any	12
HDR3PIN100SHRD	HDR3PIN100SHRD	1767	HD1	Header, 0.100 in., 3 pin Pins, Shrouded, AMP: 644486-3	1
HD_USB_MINI_B	USB-MINI_B	USB-MINI_B	HD2	Header	1
HDR-20PIN-2X10	HDR,20PIN,2X10	HDR,20PIN,2X10	HD5	HDR,20PIN,2X10	1
KLD-0202JoyStick	PWR2.5JoyStick	PWR2.5JoyStick	J1	Low Voltage Power Supply Connector	1
LED0603REFLOW-IPC-COLOR	0603_RED	0603_RED	JS*1		1
HDR1X12	Header 12	Header 12	LD1, LD2, LD3	LED	3
HDR1X4	Header 4	Header 4	P1, P2, P4, P5	Header, 12-Pin	4
SFM-T3/A6.6V	NPN_TRANSISTOR	265442	P3	Header, 4-Pin	1
SOT23-3	NPN_TRANSISTOR	265442	Q1	Transistor, MMBT4401, 40V, SOT23-3, 500mA, NPN, Transistor, On Semi: MMBT4401LT1	1
RESC2012L	Res Semi	Res Semi	Q2, Q3	Transistor, MMBT4401, 40V, SOT23-3, 500mA, NPN, Transistor, On Semi: MMBT4401LT1	2
SOT223REFLOWCherryMxSwitch	LM1117SPX-3.3_SOT223CherrySwitch	LM1117SPX-3.3_SOT223CherrySwitch	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27	Semiconductor Resistor	27
SW-PCB-4PIN	SW-PCB-4P-6MM	SW-PCB-4P-6MM	RG1	Regulator	1
64A_NHD44780	ATSAMD21J	ATSAMD21J	SW1, SW2, SW3, SW4, SW5, SW7, SW8, SW9, SW10, SW11, SW12, SW13	Cherry MX Switch layout	12
			SW6	Switch	1
			U1	ATSAMD21J	1
			U2		1
					84

Approved	Notes

