



Bill of Materials

SoBrain CPU

 Source Data From:
 SoBrain.PrjPCB

 Project:
 SoBrain.PrjPCB

 Variant:
 None

 Creation Date:
 05/01/2016
 18:45:05

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 42374
 42374.78134

Footprint	Comment	LibRef	Designator	Description	Quantity
CAP 0603	#NAME?	C0603C104K8R	C1, C2, C3, C4, C5, C6, C7, C8, C10,	30pF, 50V, 0603, -55C to 125C, COG/NP0,	11
CAI _0003	#INCIVIL:	ACTU,	C11, C12	5%, 100nF, 10V, 0603, -55C to 125C, X7R,	
		C0603C300J5G	011, 012	10%	
		ACTU			
CAP 1206	#NAME?	C1206C106K4R	C9, C13	10uF, 16V, 1206, -55C to 125C, X7R,	2
_		ACAUTO		10%, Automotive	
CAP_1210	#NAME?	C1210C106K5R	C14	MLCC, X7R, 10uF, 50V, 1210	1
		ACTU			
DO-214AC	#NAME?	S1D-E3/5AT	D1	1A, 200V, SMD Diode	1
LED_1206	LED	KPTR-3216SGC	D2, D3, D4, D5	Green, 1206, SMD LED	4
SMF_OMNI- BLOK	#NAME?	0154.500DRT	F1	500mA, SMD, 125v, -55C to 125C	1
	#NAME?	DEBUG_PIC_JT	.I1	ARM 10-Pin Serial Wire Connector	1
L-D-TH	" · · · · · · · · · · · · · · · · · ·	AG ICSP		(1.27mm)	· ·
	M20-9990246	M20-9990246	J2	2.54 Pitch, Pin Header	1
				, , , , , , , , , , , , , , , , , , , ,	
47590-0001	47590-0001	47590-0001	J3	Micro USB, Top Mount	1
5530843-	N/A	5530843-	J4	36way dual row 2.54mm socket. Board	1
3_BoardEdge		3_BoardEdge		edge counter partconnector	
MCSDRH73B	MCSDRH73B-	MCSDRH73B-	L1	68UH, 20%, 1.04A, 0.397ohm. inductor	1
WIGGEL WIGE	680MHF	680MHF		00011, 2070, 1.0471, 0.00701111. Inductor	· ·
RES 0603	#NAME?		R1, R6, R7, R8, R9, R10	1K, 0603, 1%, 0.1W, resistor, 100K, 0603,	7
			, , , , , , ,	1%, 0.1W, Resistor	
		ERJ3EKF1003V			
RES 0603	MCWP06Y1004	MCWR06X1004	P2	1M, 0603, 1%, 62.5mW, resistor	1
NES_0003	FTL	FTL	1/2	1W, 0003, 170, 02.3HW, Tesistol	'
RES 0603		MC0063W06031	R3	10K, 0603, 1%, 0.063W, resistor	1
1.20_0000	10K	10K		1011, 0000, 170, 0.00011, 100.0101	,
1-1437565-7	1-1437565-7	1-1437565-7	SW1	TACTILE SWITCH, SPST, 0.05A, 24V	1
TQFP100 0.	PIC32MZ1024E	PIC32MZ1024E	U1	PIC32, 1MB, 512KB, 200MHZ, TQFP-44	1
5mm	CG100-I/PT	CG100-I/PT			
R-78E3.3-0.5	#NAME?	R-78E3.3-0.5	U2	3.3V, 500mA, DC-DC	1
TSOP6	IP4220CZ6,125	IP4220CZ6,125	U3	ESD PROTECTION, DUAL USB 2.0,	1
				6TSOP	
1206_LittelFu	#NAME?	V33MLA1206NH	V1	33V, 1206, 180Apk, Clamp 75V	1
se_Varistor	l			_	
9C_Crystal	ABLS-	ABLS-	X1	CRYSTAL, 12MHZ, 18PF	1
	12.000MHZ-B4-	12.000MHZ-B4-			
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Approved Notes		Notes			
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