

Comment	Description	Designator	Footprint	LibRef	Quantity	Value
	Capacitor (Semiconducto	C1	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C2	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C3	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C4	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C5	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C6	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C7	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C8	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C9	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C10	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C11	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C12	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C13	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C14	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C15	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C16	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C17	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C18	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C19	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C20	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C21	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C22	1608[0603]	Cap Semi	1	1nF
	Capacitor (Semiconducto	C23	1608[0603]	Cap Semi	1	30pF
	Capacitor (Semiconducto	C24	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C25		Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C26	1608[0603]	Cap Semi	1	10nF
	Capacitor (Semiconducto	C27	1608[0603]	Cap Semi	1	30pF
	Capacitor (Semiconducto	C28	1608[0603]	Cap Semi	1	16pF
	Capacitor (Semiconducto	C29	1608[0603]	Cap Semi	1	1nF
	Capacitor (Semiconducto	C30	1608[0603]	Cap Semi	1	16pF
	Capacitor (Semiconducto	C31	1608[0603]	Cap Semi	1	10nF
	Capacitor (Semiconducto	C32	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C33	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C34	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C35	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C36	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C37	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C38	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C39	1608[0603]	Cap Semi	1	1uF
	Capacitor (Semiconducto	C40	1608[0603]	Cap Semi	1	1uF
	Capacitor (Semiconducto	C41	1608[0603]	Cap Semi	1	1uF
	Capacitor (Semiconducto	C42	1608[0603]	Cap Semi	1	1uF
	Capacitor (Semiconducto	C43	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C44	1608[0603]	Cap Semi	1	1uF
	Capacitor (Semiconducto	C45	1608[0603]	Cap Semi	1	1uF
	Capacitor (Semiconducto	C46	1608[0603]	Cap Semi	1	1uF
	Capacitor (Semiconducto	C47	1608[0603]	Cap Semi	1	1uF
	Capacitor (Semiconducto	C48	1608[0603]	Cap Semi	1	1uF
	Capacitor (Semiconducto	C49	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C50	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C51	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C52	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semiconducto	C53	1608[0603]	Cap Semi	1	0.1uF

	Capacitor (Semicondu	C54	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C55	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C56	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C57	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C58	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C59	1608[0603]	Cap Semi	1	30pF
	Capacitor (Semicondu	C60	1608[0603]	Cap Semi	1	30pF
Tant	Capacitor (Semicondu	C61	C1206	Cap Semi	1	10uF
	Capacitor (Semicondu	C62	1608[0603]	Cap Semi	1	0.22uF
	Capacitor (Semicondu	C63	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C64	1608[0603]	Cap Semi	1	0.22uF
	Capacitor (Semicondu	C65	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C66	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C67	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C68	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C69	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C70	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C71	C1206	Cap Semi	1	10uF
	Capacitor (Semicondu	C72	C1206	Cap Semi	1	10uF
	Capacitor (Semicondu	C73	C1206	Cap Semi	1	10uF
	Capacitor (Semicondu	C74	C1206	Cap Semi	1	10uF
	Capacitor (Semicondu	C75	1608[0603]	Cap Semi	1	1uF
	Capacitor (Semicondu	C76	C1206	Cap Semi	1	10uF
	Capacitor (Semicondu	C77	1608[0603]	Cap Semi	1	1uF
	Capacitor (Semicondu	C78	C1206	Cap Semi	1	10uF
	Capacitor (Semicondu	C79	1608[0603]	Cap Semi	1	1uF
	Capacitor (Semicondu	C80	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C81	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C82	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C83	1608[0603]	Cap Semi	1	0.01uF
	Capacitor (Semicondu	C84	1608[0603]	Cap Semi	1	0.01uF
	Capacitor (Semicondu	C85	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C86	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C87	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C88	1608[0603]	Cap Semi	1	0.01uF
	Capacitor (Semicondu	C89	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C90	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C91	1608[0603]	Cap Semi	1	1uF
	Capacitor (Semicondu	C92	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C93	1608[0603]	Cap Semi	1	0.01uF
	Capacitor (Semicondu	C94	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C95	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C96	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C97	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C98	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C99	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C100	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C101	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C102	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C103	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C104	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C105	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C106	1608[0603]	Cap Semi	1	0.1uF
	Capacitor (Semicondu	C107	1608[0603]	Cap Semi	1	0.1uF

Newhaven Display N		DISP1	PCB-1539121-1	SYM-1539121-1	1	
SI-50170	MagJack SI-50170 Et	J1	SI51070	SI-50170	1	
Speaker	3.5mm Stereo Jack w	J2	SJ1-352	PHONEJACK STEREO	1	
Microphone	3.5mm Stereo Jack w	J3	SJ1-352	PHONEJACK STEREO	1	
Power Connector	EJ508A	J4	EJ508A	EJ508A	1	
Header 3	Header, 3-Pin	JTAG_SEL	HDR1X3	Header 3	1	
KEYPAD4X4	Grayhill 4x4 Keypad	K1	SIP8	KEYPAD4X4	1	
742792116	SMD EMI Suppressor	L1	SMD-1206	742792116	1	
742792116	SMD EMI Suppressor	L2	SMD-1206	742792116	1	
742792116	SMD EMI Suppressor	L3	SMD-1206	742792116	1	
742792116	SMD EMI Suppressor	L4	SMD-1206	742792116	1	
LED	LED	L5	LTST-C191KFKT	LTST-C191KFKT	1	
LED	LED	L6	LTST-C191KFKT	LTST-C191KFKT	1	
LED	LED	L7	LTST-C191KFKT	LTST-C191KFKT	1	
Header 10X2	Header, 10-Pin, Dual	P1	HDR2X10	Header 10X2	1	
Header 4	Header, 4-Pin	P2	HDR1X4	Header 4	1	
Header 3	Header, 3-Pin	P3	HDR1X3	Header 3	1	
Header 8X2	Header, 8-Pin, Dual r	P4	HDR2X8	Header 8X2	1	
Header 8X2	Header, 8-Pin, Dual r	P5	HDR2X8	Header 8X2	1	
Header 8X2	Header, 8-Pin, Dual r	P6	HDR2X8	Header 8X2	1	
Header 8X2	Header, 8-Pin, Dual r	P7	HDR2X8	Header 8X2	1	
Header 4X2	Header, 4-Pin, Dual r	P8	HDR2X4	Header 4X2	1	
Header 6	Header, 6-Pin	P9	HDR1X6	Header 6	1	
MMBFJ175LT1	JFET Chopper, P-Cha	Q1	ONSC-SOT-23-3-318	MMBFJ175LT1	1	
DMG3420U		Q2	SOT23	DMG3420	1	
Res3	Resistor	R1	J1-0603	Res3	1	909
Res3	Resistor	R2	J1-0603	Res3	1	1000
Res3	Resistor	R3	J1-0603	Res3	1	12K
Res3	Resistor	R4	J1-0603	Res3	1	10K
Res3	Resistor	R5	J1-0603	Res3	1	10K
Res3	Resistor	R6	J1-0603	Res3	1	10K
Res3	Resistor	R7	J1-0603	Res3	1	10K
Res3	Resistor	R8	J1-0603	Res3	1	10K
Res3	Resistor	R9	J1-0603	Res3	1	10K
Res3	Resistor	R10	J1-0603	Res3	1	10K
Res3	Resistor	R11	J1-0603	Res3	1	10K
Res3	Resistor	R12	J1-0603	Res3	1	10K
Res3	Resistor	R13	J1-0603	Res3	1	10K
Res3	Resistor	R14	J1-0603	Res3	1	10K
Res3	Resistor	R15	J1-0603	Res3	1	10K
Res3	Resistor	R16	J1-0603	Res3	1	2.2k
Res3	Resistor	R17	J1-0603	Res3	1	2.2k
Res3	Resistor	R18	J1-0603	Res3	1	2.2K
Res3	Resistor	R19	J1-0603	Res3	1	2.2K
Res3	Resistor	R20	J1-0603	Res3	1	2.2K
Res3	Resistor	R21	J1-0603	Res3	1	220
Res3	Resistor	R22	J1-0603	Res3	1	220
Res3	Resistor	R23	J1-0603	Res3	1	1.5K
Res3	Resistor	R24	J1-0603	Res3	1	2K
Res3	Resistor	R25	J1-0603	Res3	1	510K
Res3	Resistor	R26	J1-0603	Res3	1	34K
Res3	Resistor	R27	J1-0603	Res3	1	2.2K
Res3	Resistor	R28	J1-0603	Res3	1	2.2K
Res3	Resistor	R29	J1-0603	Res3	1	2.2K

Res3	Resistor	R30	J1-0603	Res3	1	2.2K
Res3	Resistor	R31	J1-0603	Res3	1	510K
Res3	Resistor	R32	J1-0603	Res3	1	34K
Res3	Resistor	R33	J1-0603	Res3	1	2K
Res3	Resistor	R34	J1-0603	Res3	1	2.2K
Res3	Resistor	R35	J1-0603	Res3	1	2.2K
Res3	Resistor	R36	J1-0603	Res3	1	2.2K
Res3	Resistor	R37	J1-0603	Res3	1	2.2K
Res3	Resistor	R38	J1-0603	Res3	1	2.2K
Res3	Resistor	R39	J1-0603	Res3	1	2.2K
Res3	Resistor	R40	J1-0603	Res3	1	4.87K
Res3	Resistor	R41	J1-0603	Res3	1	49.9
Res3	Resistor	R42	J1-0603	Res3	1	49.9
Res3	Resistor	R43	J1-0603	Res3	1	49.9
Res3	Resistor	R44	J1-0603	Res3	1	49.9
Res3	Resistor	R45	J1-0603	Res3	1	10K
Res3	Resistor	R46	J1-0603	Res3	1	10K
Res3	Resistor	R47	J1-0603	Res3	1	120
Res3	Resistor	R48	J1-0603	Res3	1	52.3
Res3	Resistor	R49	J1-0603	Res3	1	120
Res3	Resistor	R50	J1-0603	Res3	1	365
Res3	Resistor	R51	J1-0603	Res3	1	120
Res3	Resistor	R52	J1-0603	Res3	1	196
Res3	Resistor	R53	J1-0603	Res3	1	120
Res3	Resistor	R54	J1-0603	Res3	1	169
Res3	Resistor	R55	J1-0603	Res3	1	0
Res3	Resistor	R56	J1-0603	Res3	1	0
Res3	Resistor	R57	J1-0603	Res3	1	0
1W	MCR100JZHJ2R2	R58	RESC6332	Res3	1	2.2
Res3	Resistor	R59	J1-0603	Res3	1	2.2K
1W	MCR100JZHJ2R2	R60	RESC6332	Res3	1	2.2
1W	MCR100JZHJ2R2	R61	RESC6332	Res3	1	2.2
1W	MCR100JZHJ2R2	R62	RESC6332	Res3	1	2.2
Res3	Resistor	R63	J1-0603	Res3	1	2.2k
Res3	Resistor	R64	J1-0603	Res3	1	2.2k
Res3	Resistor	R65	J1-0603	Res3	1	1k
Res3	Resistor	R66	J1-0603	Res3	1	100k
Res3	Resistor	R67	J1-0603	Res3	1	1k
Res3	Resistor	R68	J1-0603	Res3	1	1k
Res3	Resistor	R69	J1-0603	Res3	1	330
Res3	Resistor	R70	J1-0603	Res3	1	150
LM1086-ADJ	1.5A Low Dropout Po	REG_1V8	TO-220V	LM1086	1	
LM1086-ADJ	1.5A Low Dropout Po	REG_3V	TO-220V	LM1086	1	
LM1086-ADJ	1.5A Low Dropout Po	REG_3V3	TO-220V	LM1086	1	
LM1086-ADJ	1.5A Low Dropout Po	REG_5V	TO-220V	LM1086	1	
KS01Q01		SW_HANGUP	KS01Q01	KS01Q01	1	
KS01Q01		SW_RESET	KS01Q01	KS01Q01	1	
AT91RM9200	Atmel ARM	U1	PQFP208	AT91RM9200	1	
74LVT16245	16-Bit Bus Transceiver	U2	TSSOP48	74LVT16245	1	
MAX705	Maxim uP Supervisor	U3	DIPS8	MAX705	1	
74LVT16245	16-Bit Bus Transceiver	U4	TSSOP48	74LVT16245	1	
ISPLSI1016E	In-System Programm	U5	PLCCS44	ISPLSI1016E	1	
SRAM IDT71V016	64K x 16 3.3V Static C	U6	SSOP44.400	IDT71V016	1	
ROM 29LV040	4 Megabit (512K x 8)	U7	PLCCS32	29LV040	1	

74LVT16245	16-Bit Bus Transceiver	U8	TSSOP48	74LVT16245	1	
TI-CD40109B-16		U9	TI-PW16_M	TI-CD40109B-16	1	
TI-CD40109B-16		U11	TI-PW16_M	TI-CD40109B-16	1	
MM74C923	20-Key Encoder	U13	DIPS20	MM74C923	1	
24AA32	I2C Serial EEPROM	U15	DIPS8	24AA32	1	
DP83848	PHYTER - Single Port	U16	LQFP48	DP83848	1	
TLV320AIC1106	PCM Codec	U17	PSOP20	TLV320AIC1106	1	
74LVT16245	16-Bit Bus Transceiver	U18	TSSOP48	74LVT16245	1	
74LVT16245	16-Bit Bus Transceiver	U19	TSSOP48	74LVT16245	1	
DRAM1MX8	1M x 8 DRAM SIMM	U20	SIMM30	DRAM1MX8	1	
74LVT16245	16-Bit Bus Transceiver	U21	TSSOP48	74LVT16245	1	
20 MHz	Crystal	X1	HC-49U	CRYSTAL	1	
32.768 kHz	Crystal	X2	FX-3	CRYSTAL	1	
25 MHz	Crystal	X3	HC-49U	CRYSTAL	1	