





## Component list

Source Data From:	
Project:	Pong Clock

Report Date:

Print Date:

Variant:



1	#	Quantity PartNumber	Designator	Description	Manufacturer	Comment
Common	1	1	B1	Custom CR377 mount	Sunbeam	CR377
4	2	4	C1, C2, C13, C16			0.1uF
93D	3	3	C3, C8, C14	CAP_1206		
Led         CONN HEADER 3X2POS .100" PADS         CON3X2           7         1 Generic 4 Pin Male Header         CONN HEADER 4POS .100" SGL GOLD         Samtec         TSW-104-07-L-S           8         1 PADS         H3         CONN HEADER 6POS .100" PADS         CON6           9         1 Generic MINIUSB R/A 5POS SMD         USB_DX           10         3         R1, R10, R11         RES 10K, 0603, RES 10K 0603, RES 10K 0603, RES 10K 0603         10K           11         2         R6, R7         RES 10K, 0603         4.7K           12         1         R1         R12         RES 330R, 0603         1K           13         2         S2, S3         DX_MINI_TACT_SWITCH_RA         PPushButton           14         1 TMP102AIDRLT         U1         C DGTL TEMP SENSOR LP SOT-563         Texas Instruments         TMP102AIDRL           16         1 DS1340U-33+         U3         IC RTC SERIAL 512K 8-TSSOP         Maxim         DS1340U-33+           17         LP2985-33DBVR         U4         IC REG LDO 3.3V .15A SOT23-5         Texas Instruments         LP2985-33DBVR	4		C4	CAP CER 0.1UF 50V 10% X7R 0603	Murata	0.1uF
Toleran	5		D2	LED_0603		LED_0603
Header   Header   CONN HEADER 6POS .100" PADS   CON6     PADS	6	1	H1	CONN HEADER 3X2POS .100" PADS		CON3X2
9 1 Generic MINIUSB R/A 5POS SMD J1 CONN RECEPT MINIUSB R/A 5POS SMD USB_DX  10 3 R1, R10, R11 RES 10K, 0603, RES 10K 0603, RES 10K 0603  11 2 R6, R7 RES 10K, 0603 4.7K  12 1 R12 RES 330R, 0603 1K  13 2 S2, S3 DX_MINI_TACT_SWITCH_RA PPushButton  14 1 TMP102AIDRLT U1 IC DGTL TEMP SENSOR LP SOT-563 Texas Instruments TMP102AIDRL  15 1 ATMEGA328P-AU U2 MCU AVR 32K FLASH 32TQFP Atmel ATMEGA328  16 1 DS1340U-33+ U3 IC RTC SERIAL 512K 8-TSSOP Maxim DS1340U-33+  17 1 LP2985-33DBVR U4 IC REG LDO 3.3V .15A SOT23-5 Texas Instruments LP2985-33DBVR	7		H2	CONN HEADER 4POS .100" SGL GOLD	Samtec	TSW-104-07-L-S
SPOS SMD	8	1 PADS	H3	CONN HEADER 6POS .100" PADS		CON6
11   2   R6, R7   RES 10K, 0603   4.7K     12   1   R12   RES 330R, 0603   1K     13   2   S2, S3   DX_MINI_TACT_SWITCH_RA   PPushButton     14   1   TMP102AIDRLT   U1   IC DGTL TEMP SENSOR LP SOT-563   Texas Instruments   TMP102AIDRL     15   1   ATMEGA328P-AU   U2   MCU AVR 32K FLASH 32TQFP   Atmel   ATMEGA328     16   1   DS1340U-33+   U3   IC RTC SERIAL 512K 8-TSSOP   Maxim   DS1340U-33+     17   1   LP2985-33DBVR   U4   IC REG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     18   CRTC SERIAL 512K 8-TSSOP   Maxim   DS1340U-33+     19   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     19   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     10   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     11   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     12   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     13   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     14   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     15   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     15   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     16   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     17   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     18   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     18   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     18   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     18   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     18   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     18   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     18   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     18   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     18   CREG LDO 3.3V .15A SOT23-5   Texas Instruments   LP2985-33DBVR     18   CREG LDO 3.3V .15A SOT23-5   Texas Instrument	9		A J1	CONN RECEPT MINIUSB R/A 5POS SMD		USB_DX
12       1       R12       RES 330R, 0603       1K         13       2       S2, S3       DX_MINI_TACT_SWITCH_RA       PPushButton         14       1       TMP102A IDRLT       U1       IC DGTL TEMP SENSOR LP SOT-563       Texas Instruments       TMP102A IDRL         15       1       ATMEGA328P-AU       U2       MCU AVR 32K FLASH 32TQFP       Atmel       ATMEGA328         16       1       DS1340U-33+       U3       IC RTC SERIAL 512K 8-TSSOP       Maxim       DS1340U-33+         17       1       LP2985-33DBVR       U4       IC REG LDO 3.3V .15A SOT23-5       Texas Instruments       LP2985-33DBVR	10	3	R1, R10, R11			10K
13       2       S2, S3       DX_MINI_TACT_SWITCH_RA       PPushButton         14       1       TMP102A IDRLT       U1       IC DGTL TEMP SENSOR LP SOT-563       Texas Instruments       TMP102A IDRL         15       1       ATMEGA328P-AU       U2       MCU AVR 32K FLASH 32TQFP       Atmel       ATMEGA328         16       1       DS1340U-33+       U3       IC RTC SERIAL 512K 8-TSSOP       Maxim       DS1340U-33+         17       1       LP2985-33DBVR       U4       IC REG LDO 3.3V .15A SOT23-5       Texas Instruments       LP2985-33DBVR	11	2	R6, R7	RES 10K, 0603		4.7K
14         1         TMP102AIDRLT         U1         IC DGTL TEMP SENSOR LP SOT-563         Texas Instruments         TMP102AIDRL           15         1         ATMEGA328P-AU         U2         MCU AVR 32K FLASH 32TQFP         Atmel         ATMEGA328           16         1         DS1340U-33+         U3         IC RTC SERIAL 512K 8-TSSOP         Maxim         DS1340U-33+           17         1         LP2985-33DBVR         U4         IC REG LDO 3.3V .15A SOT23-5         Texas Instruments         LP2985-33DBVR	12	1	R12	RES 330R, 0603		1K
15         1         ATMEGA328P-AU         U2         MCU AVR 32K FLASH 32TQFP         Atmel         ATMEGA328           16         1         DS1340U-33+         U3         IC RTC SERIAL 512K 8-TSSOP         Maxim         DS1340U-33+           17         1         LP2985-33DBVR         U4         IC REG LDO 3.3V .15A SOT23-5         Texas Instruments         LP2985-33DBVR	13	2	S2, S3	DX_MINI_TACT_SWITCH_RA		PPushButton
16         1         DS1340U-33+         U3         IC RTC SERIAL 512K 8-TSSOP         Maxim         DS1340U-33+           17         1         LP2985-33DBVR         U4         IC REG LDO 3.3V .15A SOT23-5         Texas Instruments         LP2985-33DBVR	14	1 TMP102AIDRLT	U1	IC DGTL TEMP SENSOR LP SOT-563	Texas Instruments	TMP102AIDRL
17 1 LP2985-33DBVR U4 IC REG LDO 3.3V .15A SOT23-5 Texas Instruments LP2985-33DBVR	15	1 ATMEGA328P-AU	U2	MCU AVR 32K FLASH 32TQFP	Atmel	ATMEGA328
	16	1 DS1340U-33+	U3	IC RTC SERIAL 512K 8-TSSOP	Maxim	DS1340U-33+
18 1 CSTCF8M00G55-R0 X2 CFR RESONATOR 8 0MHZ SMD Murata 8Mhz					Texas Instruments	
	18	1 CSTCE8M00G55-R0		CER RESONATOR 8.0MHZ SMD	Murata	8Mhz
19 1 ECS327-12.5-34B X3 CRY STAL 32.768 KHZ 12.5PF SMD ECS 32Khz Crystal	19	1 ECS327-12.5-34B	X3	CRYSTAL 32.768 KHZ 12.5PF SMD	ECS	32Khz Crystal

Approved