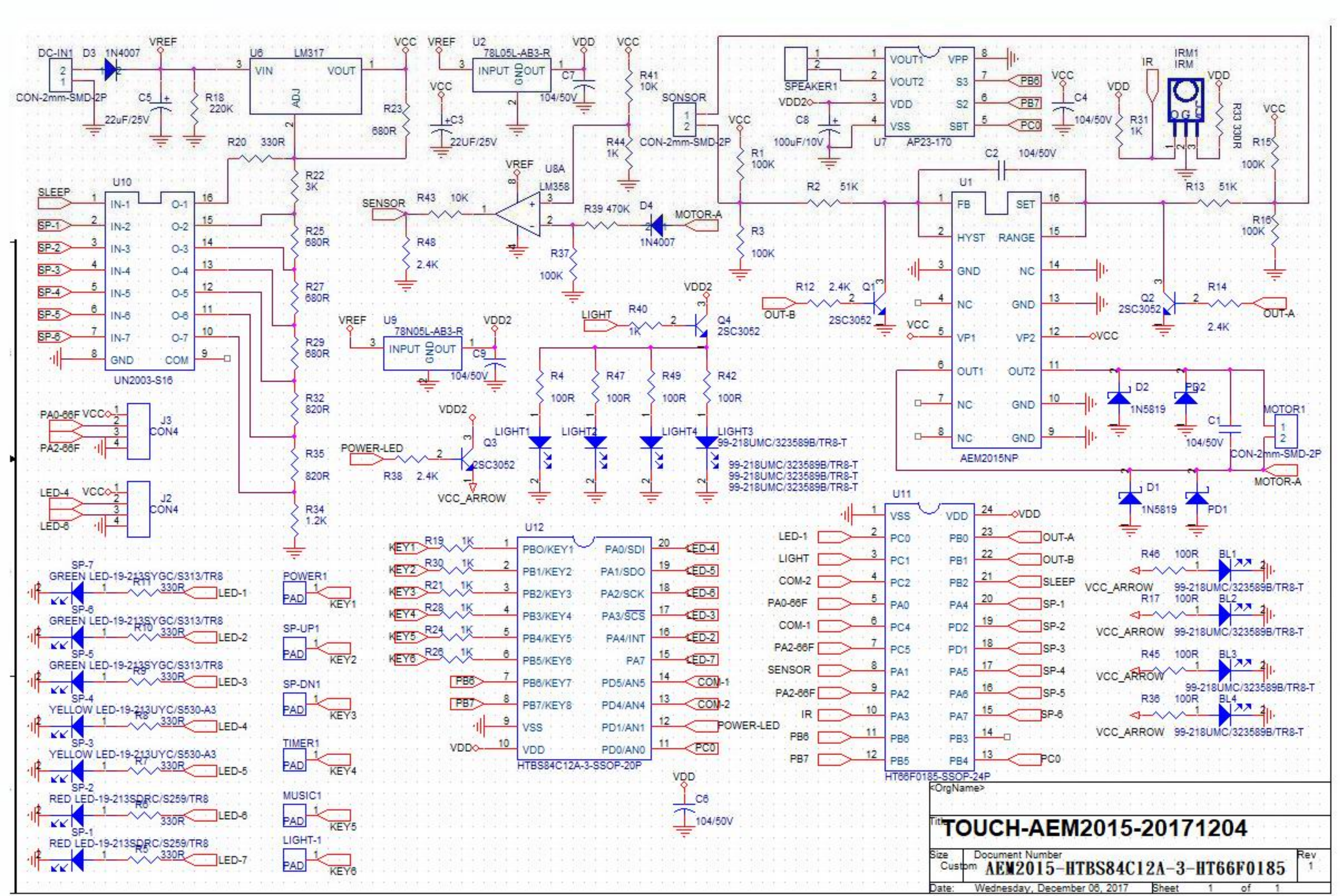

DC-IN1
D3 1N4007
CON-2mm-SMD-2P
C5 22uF/25V
R18 220K
U6 LM317
VIN VOUT ADJ
VREF
VCC
R23 680R
R20 330R
R22 3K
U2 78L05L-AB3-R
INPUT GND OUT
C7 104/50V
C3 22UF/25V
R41 10K
R44 1K
SONSOR
CON-2mm-SMD-2P
R1 100K
R3 100K
SPEAKER1
VDD2
C8 100uF/10V
U7 AP23-170
VOUT1 VOUT2 VDD VSS VPP S3 S2 SBT
PB6 PB7 PC0
C4 104/50V
IR
IRM1 IRM
R31 1K
R33 330R
R15 100K
R13 51K
C2 104/50V
U1
FB HYST GND NC VP1 OUT1 NC NC SET RANGE NC GND VP2 OUT2 GND GND
AEM2015NP
R2 51K
R16 100K
R14 2.4K
OUT-A
Q2 2SC3052
R12 2.4K
Q1 2SC3052
OUT-B
D2 1N5819
PD2
C1 104/50V
MOTOR1
CON-2mm-SMD-2P
MOTOR-A
D1 1N5819
PD1
U10
SLEEP SP-1 SP-2 SP-3 SP-4 SP-5 SP-6
IN-1 IN-2 IN-3 IN-4 IN-5 IN-6 IN-7 GND
O-1 O-2 O-3 O-4 O-5 O-6 O-7 COM
UN2003-S16
R25 680R
R27 680R
R29 680R
R32 820R
R35 820R
R34 1.2K
U8A LM358
SENSOR
R43 10K
R48 2.4K
R39 470K
D4 1N4007
MOTOR-A
R37 100K
U9 78N05L-AB3-R
INPUT GND OUT
C9 104/50V
VDD2
LIGHT
R40 1K
Q4 2SC3052
R4 100R
R47 100R
R49 100R
R42 100R
LIGHT1
LIGHT2
LIGHT4
LIGHT3
99-218UMC/323589B/TR8-T
POWER-LED
R38 2.4K
Q3 2SC3052
VCC_ARROW
PA0-66F
PA2-66F
J3 CON4
LED-4
LED-6
J2 CON4
SP-7 GREEN LED-19-213SYGC/S313/TR8 R11 330R LED-1
SP-6 GREEN LED-19-213SYGC/S313/TR8 R10 330R LED-2
SP-5 GREEN LED-19-213SYGC/S313/TR8 R9 330R LED-3
SP-4 YELLOW LED-19-213UYC/S530-A3 R8 330R LED-4
SP-3 YELLOW LED-19-213UYC/S530-A3 R7 330R LED-5
SP-2 RED LED-19-213SDRC/S259/TR8 R6 330R LED-6
SP-1 RED LED-19-213SDRC/S259/TR8 R5 330R LED-7
POWER1 PAD KEY1
SP-UP1 PAD KEY2
SP-DN1 PAD KEY3
TIMER1 PAD KEY4
MUSIC1 PAD KEY5
LIGHT-1 PAD KEY6
U12
R19 1K KEY1
R30 1K KEY2
R21 1K KEY3
R28 1K KEY4
R24 1K KEY5
R26 1K KEY6
PB6
PB7
PBO/KEY1 PB1/KEY2 PB2/KEY3 PB3/KEY4 PB4/KEY5 PB5/KEY6 PB6/KEY7 PB7/KEY8 VSS VDD
PA0/SDI PA1/SDO PA2/SCK PA3/SCS PA4/INT PA7 PD5/AN5 PD4/AN4 PD1/AN1 PD0/AN0
LED-4 LED-5 LED-6 LED-3 LED-2 LED-7 COM-1 COM-2 POWER-LED PC0
HTBS84C12A-3-SSOP-20P
C6 104/50V
U11
LED-1 LIGHT COM-2 PA0-66F COM-1 PA2-66F SENSOR PA2-66F IR PB6 PB7
VSS PC0 PC1 PC2 PA0 PC4 PC5 PA1 PA2 PA3 PB6 PB5
VDD PB0 PB1 PB2 PA4 PD2 PD1 PA5 PA6 PA7 PB3 PB4
OUT-A OUT-B SLEEP SP-1 SP-2 SP-3 SP-4 SP-5 SP-6 PC0
HT66F0185-SSOP-24P
R46 100R BL1 99-218UMC/323589B/TR8-T
R17 100R BL2 99-218UMC/323589B/TR8-T
R45 100R BL3 99-218UMC/323589B/TR8-T
R36 100R BL4 99-218UMC/323589B/TR8-T
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