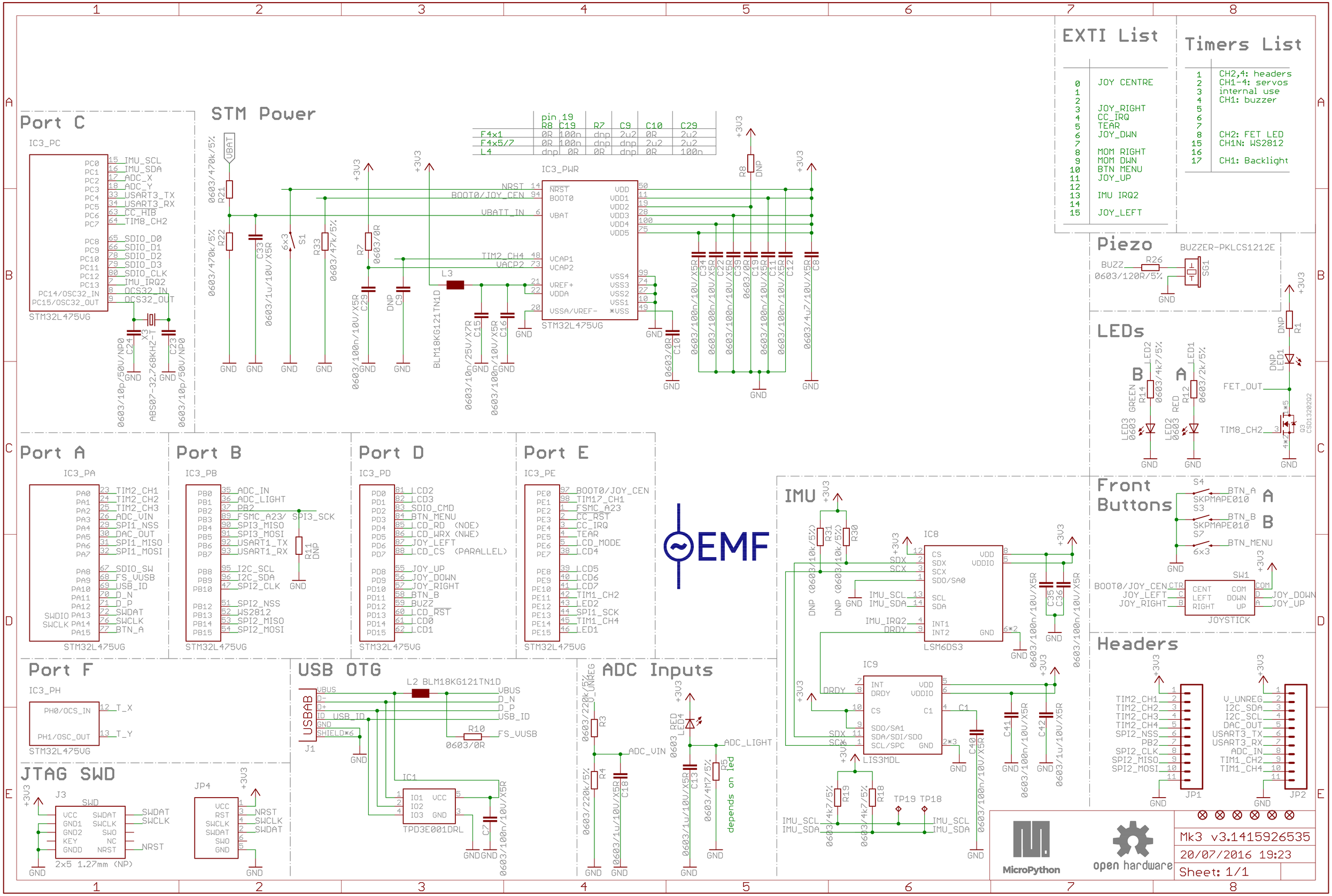
EXTI List
0 JOY CENTRE
3 JOY_RIGHT
4 CC_IRQ
5 TEAR
6 JOY_DWN
8 MOM RIGHT
9 MOM DWN
10 BTN MENU
11 JOY_UP
13 IMU IRQ2
15 JOY_LEFT
Timers List
1 CH2,4: headers
2 CH1-4: servos
3 internal use
4 CH1: buzzer
8 CH2: FET LED
15 CH1N: WS2812
17 CH1: Backlight
Port C
IC3_PC
STM32L475VG
STM Power
IC3_PWR
STM32L475VG
Piezo
BUZZER-PKLCS1212E
LEDs
Port A
IC3_PA
STM32L475VG
Port B
IC3_PB
STM32L475VG
Port D
IC3_PD
STM32L475VG
Port E
IC3_PE
STM32L475VG
IMU
IC8
LSM6DS3
IC9
LIS3MDL
Front Buttons
JOYSTICK
Headers
Port F
IC3_PH
STM32L475VG
USB OTG
TPD3E001DRL
ADC Inputs
JTAG SWD
MicroPython
open hardware
Mk3 v3.1415926535
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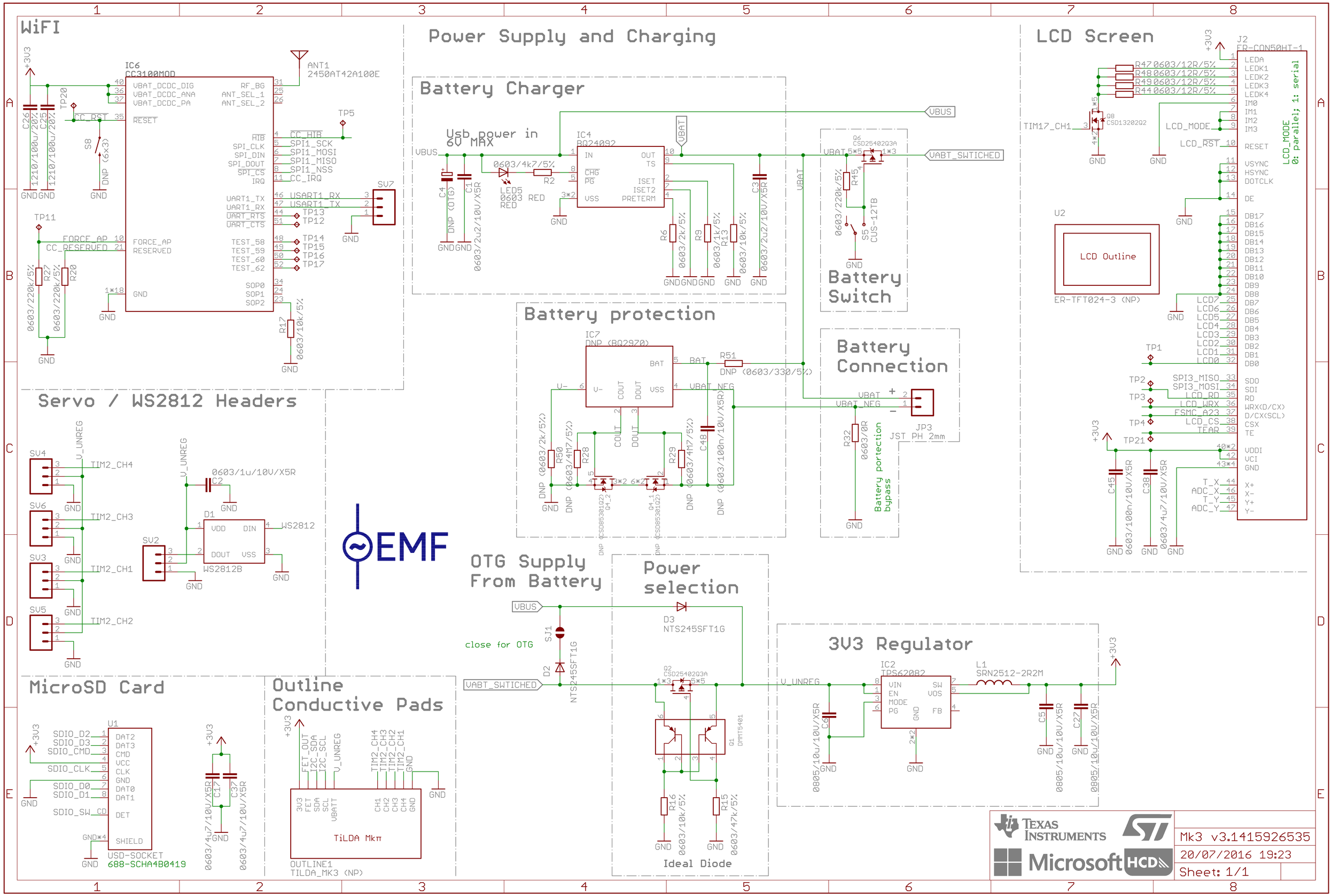
Sheet: 1/1


WiFi
IC6
CC3100MOD
ANT1
2450AT42A100E
Power Supply and Charging
Battery Charger
Usb power in
6V MAX
IC4
BQ24092
Battery Switch
Battery protection
IC7
DNP (BQ2970)
Battery Connection
JP3
JST_PH_2mm
LCD Screen
J2
FR-CON50HT-1
LCD Outline
ER-TFT024-3 (NP)
Servo / WS2812 Headers
WS2812B
EMF
OTG Supply
From Battery
close for OTG
Power
selection
Ideal Diode
3V3 Regulator
IC2
TPS62082
MicroSD Card
USD-SOCKET
688-SCHA4B0419
Outline
Conductive Pads
TiLDA Mkπ
OUTLINE1
TILDA_MK3 (NP)
Texas Instruments
Microsoft HCD
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