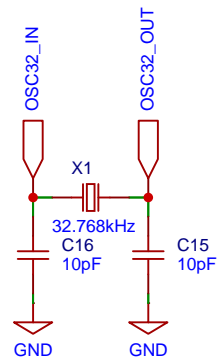
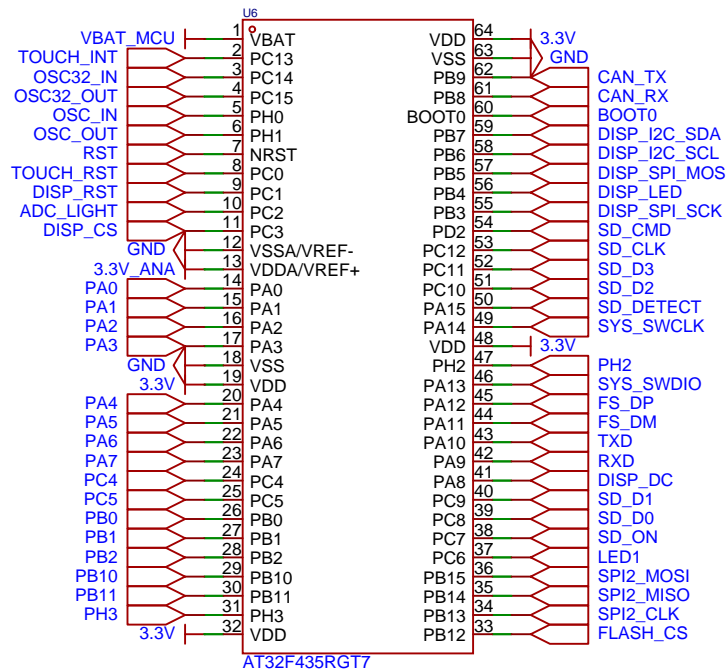
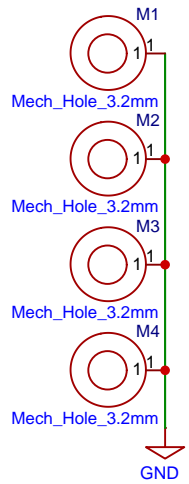
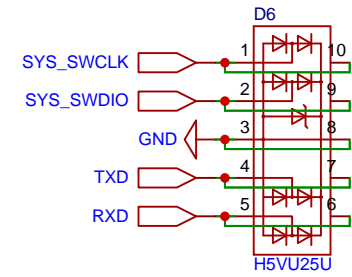
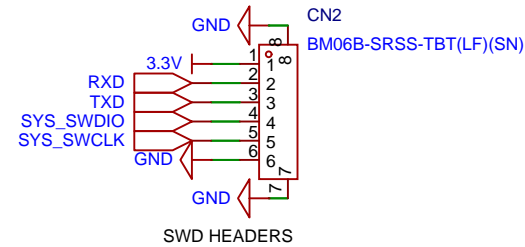
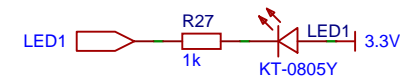
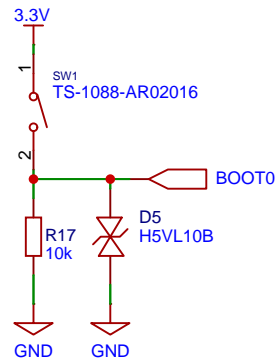
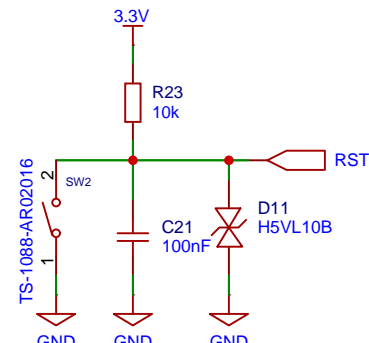


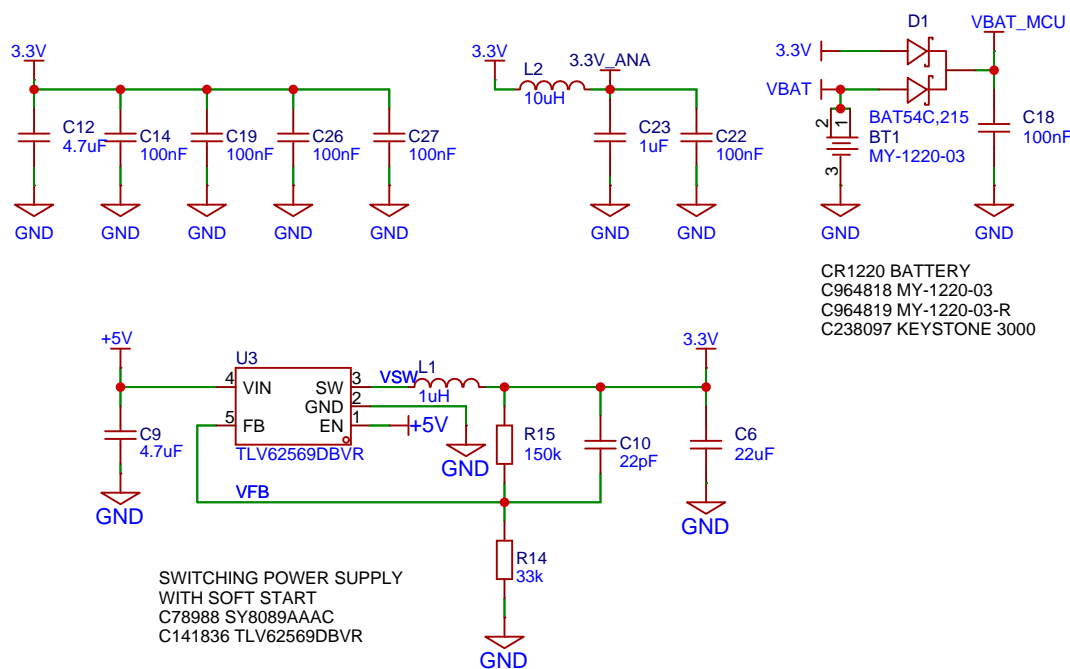
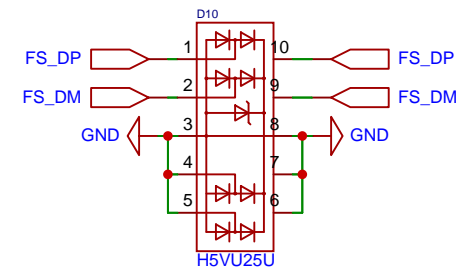
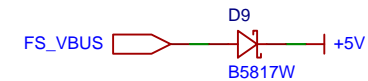
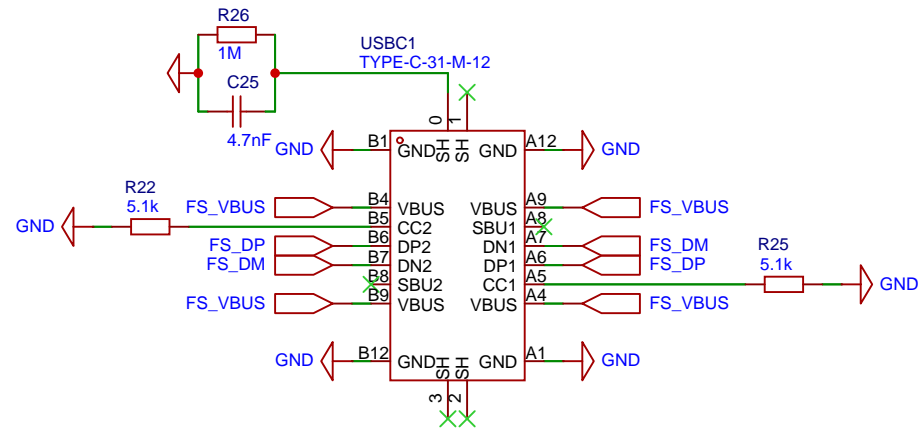
HSE CRYSTAL  
C115962 8MHZ 20PF



LSE CRYSTAL  
C32346 32768HZ 12.5PF



C3029577 AT32F435RGT7




CHECKLIST:

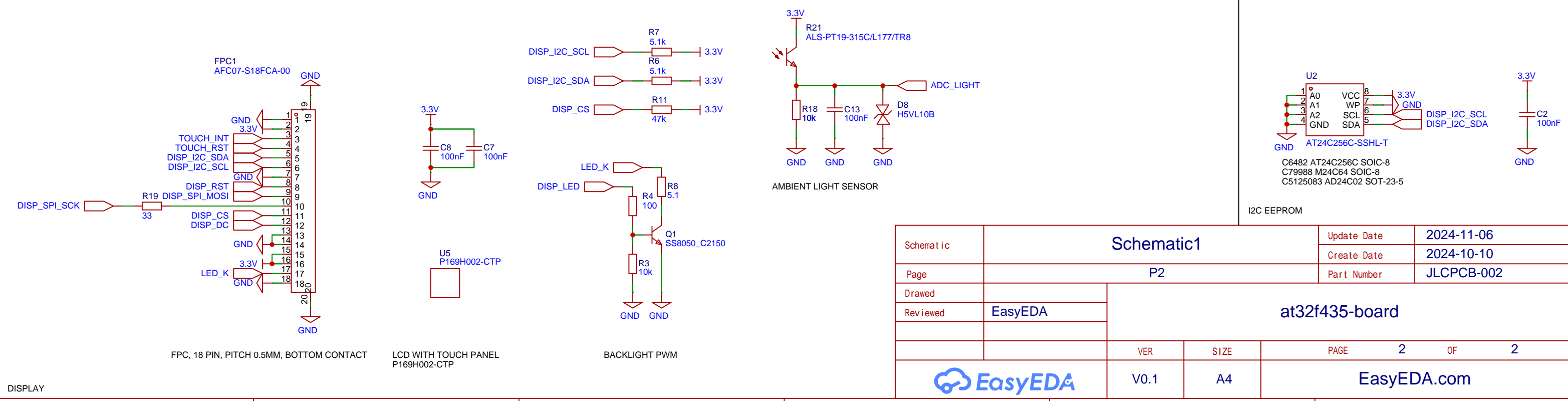
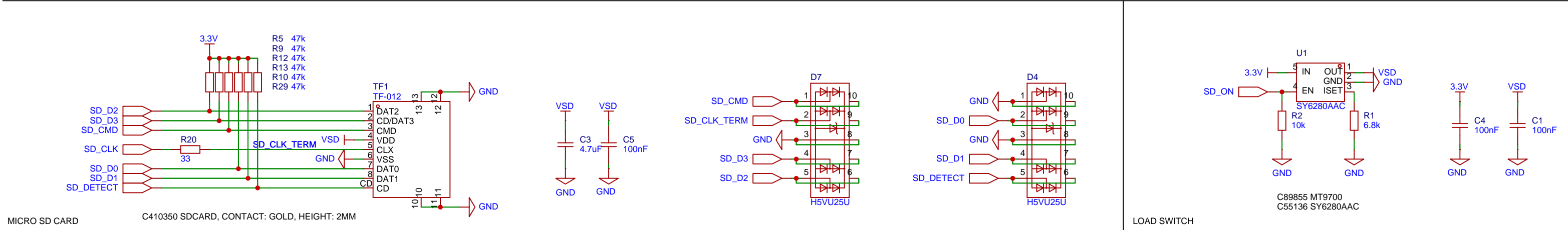
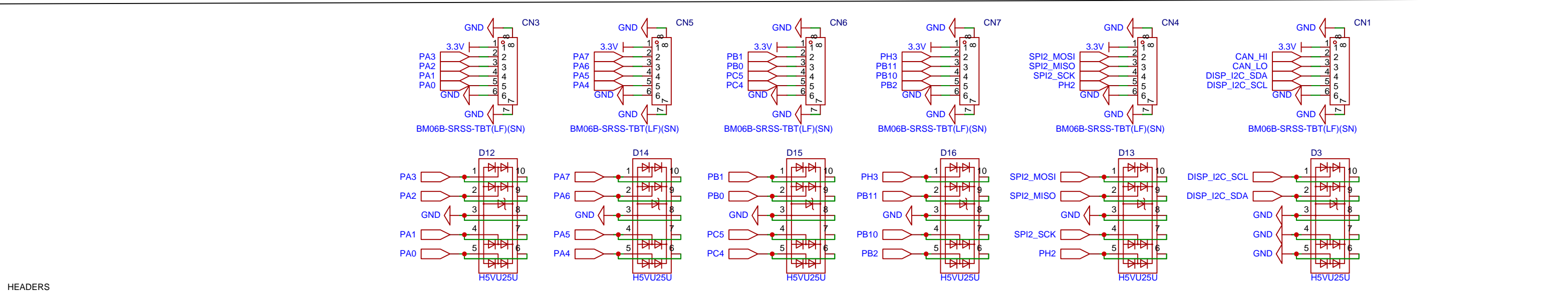
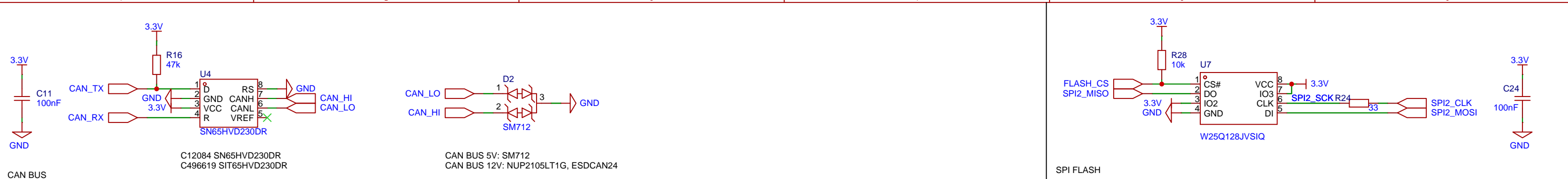
- LCD BACKLIGHT ON PWM
- LED ON PWM
- LED FAR AWAY FROM LIGHT SENSOR
- TOUCH PANEL INTERRUPT ON WAKEUP
- USER KEY ON WAKEUP
- SD CARD LENGTH, IMPEDANCE
- USB LENGTH, IMPEDANCE
- USB 10 MIL TRACE 8 MIL SPACE
- 50 OHM 13 MIL TRACE
- TRANSMISSION LINES OVER GROUND PLANE


MANUFACTURING:  
PCB CONTROLLED IMPEDANCE JLC04161H-7628  
NO SOLDER PASTE ON MIDDLE PAD OF BATTERY HOLDER C964818  
BOX SLA RESIN  
BOX CLOSURES WITH 4 M3x8MM SCREWS AND 4 M3 NUTS, NYLON OR ACRYLIC

COMPARISON  
AT32F435:  
HSE CRYSTAL  
C115962 8MHZ 20PF  
LSE CRYSTAL  
C32346 FC135 32768HZ 12.5PF  
PINOUT  
PIN 30: GPIO PB11  
PIN 31: GPIO PH3  
PIN 47: GPIO PH2

STM32:  
HSE CRYSTAL  
C400090 8MHz 10PF  
LSE CRYSTAL  
C97604 SC-32S 32768Hz 7PF  
C213424 DST310S 32768Hz 7PF  
PINOUT  
PIN 30: 4.7UF OR GPIO PB11  
PIN 31: GROUND  
PIN 47: GROUND

Schematic	Schematic1			Update Date	2024-11-06
				Create Date	2024-10-10
Page	P1			Part Number	JLCPCB-002
Drawn		at32f435-board			
Reviewed	EasyEDA				
		VER	SIZE	PAGE	1 OF 2
		V0.1	A4	EasyEDA.com	



Schematic	Schematic1			Update Date	2024-11-06	
				Create Date	2024-10-10	
Page	P2			Part Number	JLPCPB-002	
Drawn		at32f435-board				
Reviewed	EasyEDA					
		VER	SIZE	PAGE	2	OF 2
		V0.1	A4	EasyEDA.com		