

STM32F401 Pin Mapping

PA1	Control Pilot Signal Control			Control Pilot
PA2	USART Header TX			USART Header Connections
PA3	USART Header RX			
PA4	USART Header Clock			
PA5	SPI Display Header - SCK			External SPI Display Header
PA6	SPI Display Header - MISO			
PA7	SPI Display Header - MOSI			
PA8	SPI Display Header - Reset			
PA10	SPI Display Header - DC			
PA13	SWDIO			MCU Programming Connector
PA14	SWCLK			
PC1	Control Pilot Status Led 1			Programmable Status LEDs
PC2	Control Pilot Status Led 2			
PC3	Control Pilot Status Led 3			
PC4	Control Pilot Status Led 4			
PC5	ADE7953 CF2 Signal			ADE7953 Indicator Connections
PB0	ADE7953 CF1 Signal			
PC6	ADE7953 RX			USART 6
PB7	ADE7953 TX			
PC8	ADE7953 IRQ			ADE7953 Interrupt
PB1	Control Pilot Voltage Detection			Control Pilot
PB3	SWD			MCU Programming
PB9	SPI Display CS			SPI Display Header
PB13	AFE3010 Alarm Fault Detection			Leakage Detection
PB14	MCU Main Relay Control			Charging Control