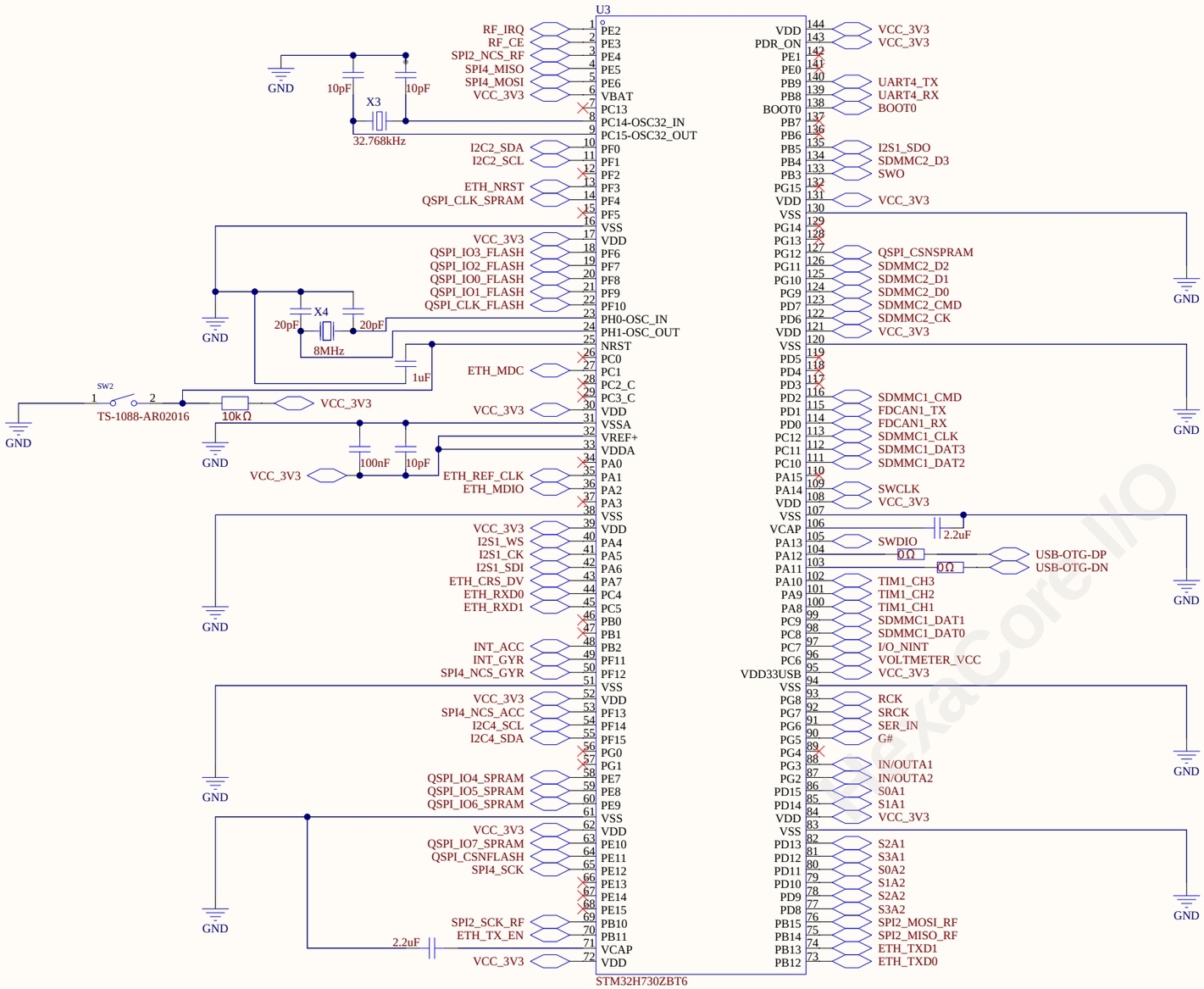
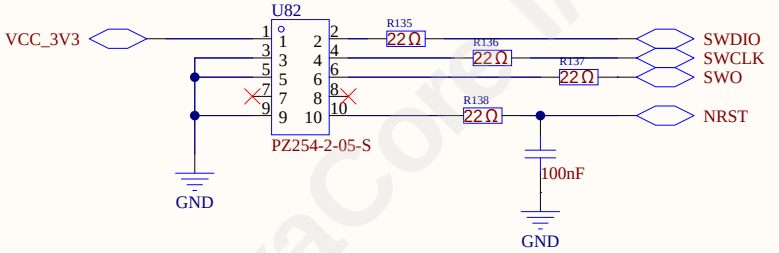
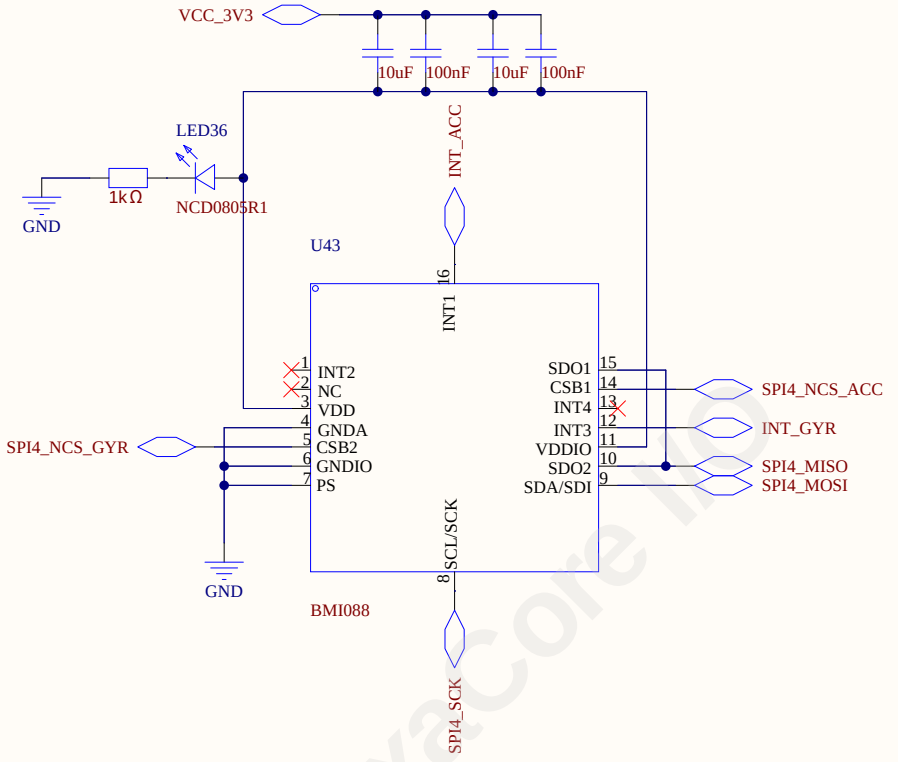


Schematic	HexaCoreI/O	Create at	2025-01-07
		Update at	2025-01-12
Board	Main	Page	Index / STM32
Drawn		SpiderTronV5	
Reviewed			
		Version	Size	Page 1 Total 15
EasyEDA		V1.0	A4	EasyEDA.com

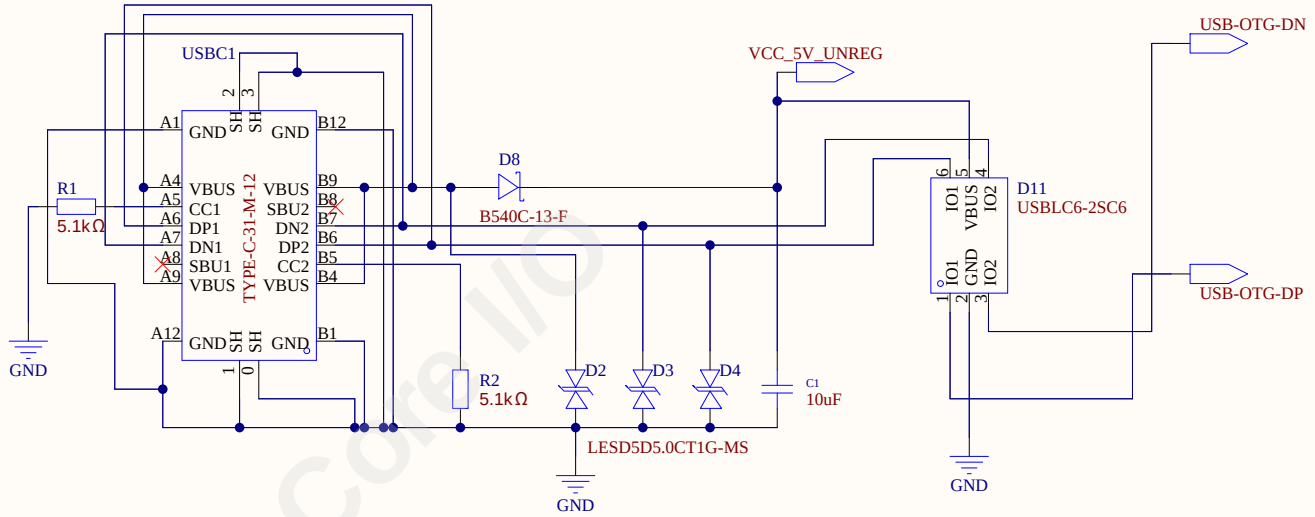


Schematic	HexaCoreI/O	Create at	2025-01-08
		Update at	2025-01-12
Board	Main	Page	Debugger
Drawn		SpiderTronV5	
Reviewed			
		Version / Size / Page 2 Total 15	
EasyEDA		V1.0 / A4	EasyEDA.com

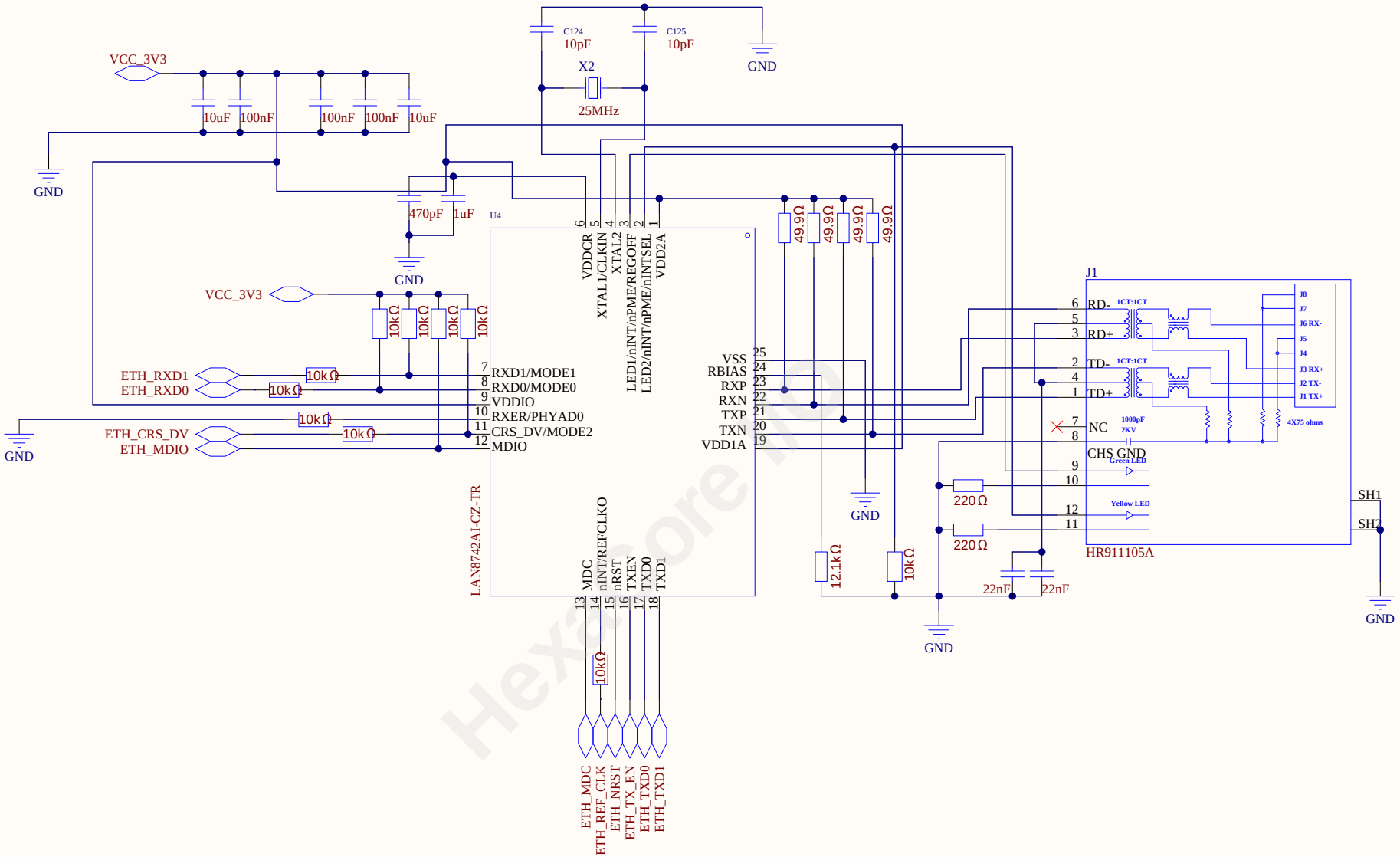


Schematic	HexaCoreI/O	Create at	2025-01-08
		Update at	2025-01-12
Board	Main	Page	IMU
Drawn		SpiderTronV5	
Reviewed			
		Version / Size	Page 3 Total 15
EasyEDA		V1.0 / A4	EasyEDA.com

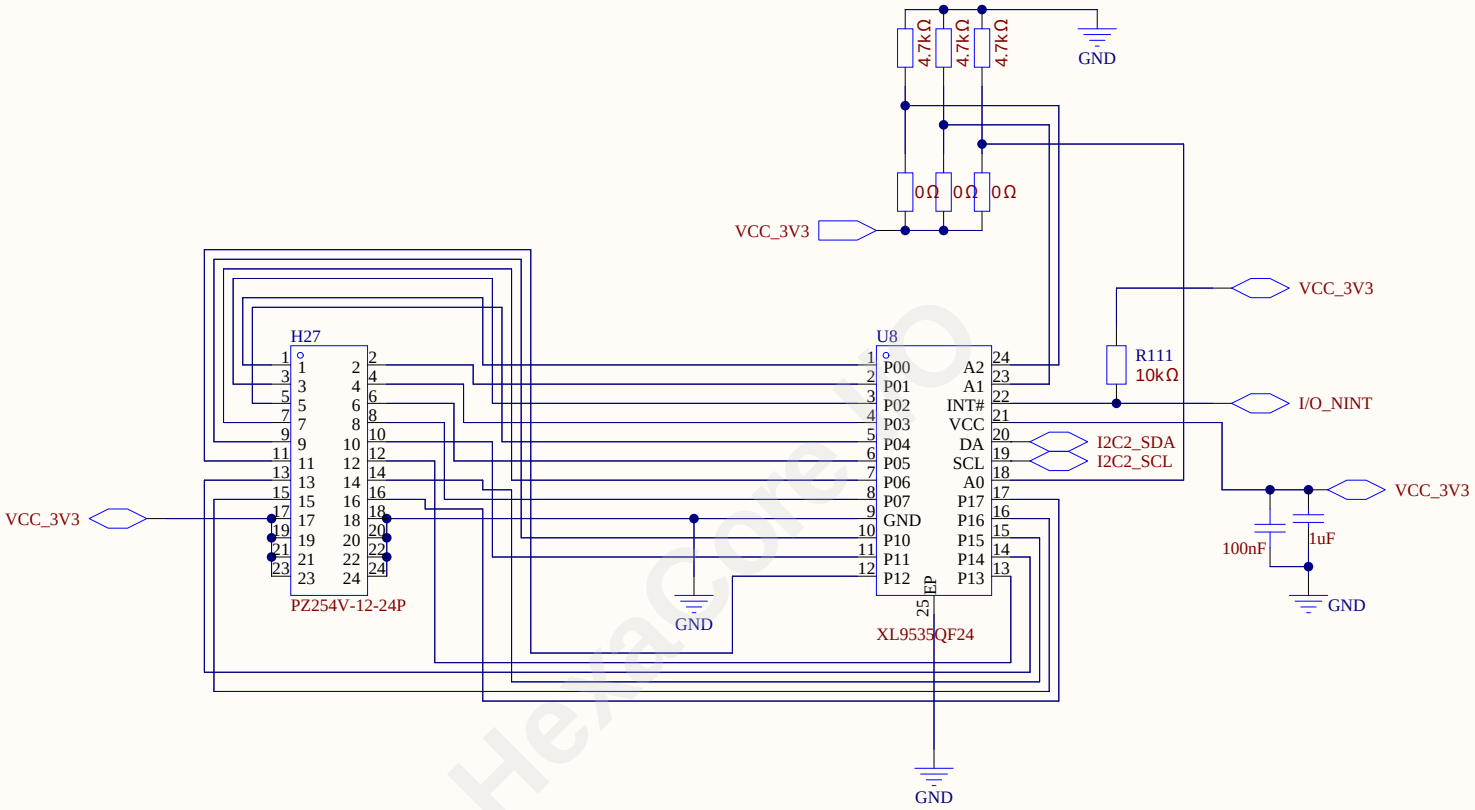
Max 3A 5v Output



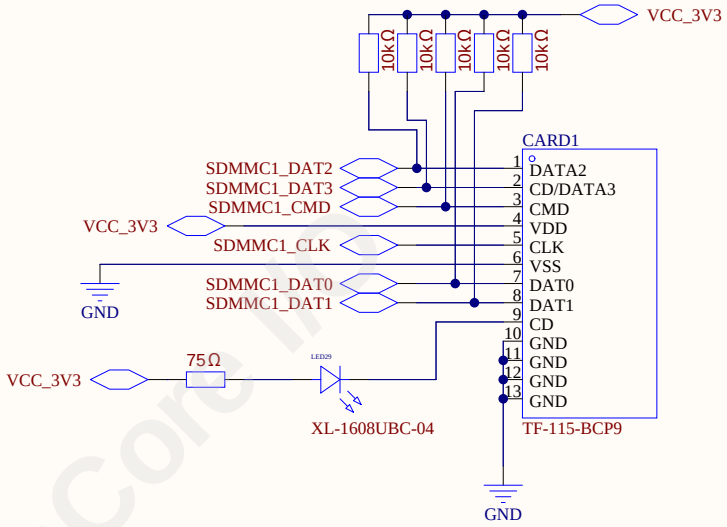
Schematic	HexaCoreI/O	Create at	2025-01-08
		Update at	2025-01-12
Board	Main	Page	USB C
Drawn		SpiderTronV5	
Reviewed			
		Version	Size	Page 4 Total 15
EasyEDA		V1.0	A4	EasyEDA.com



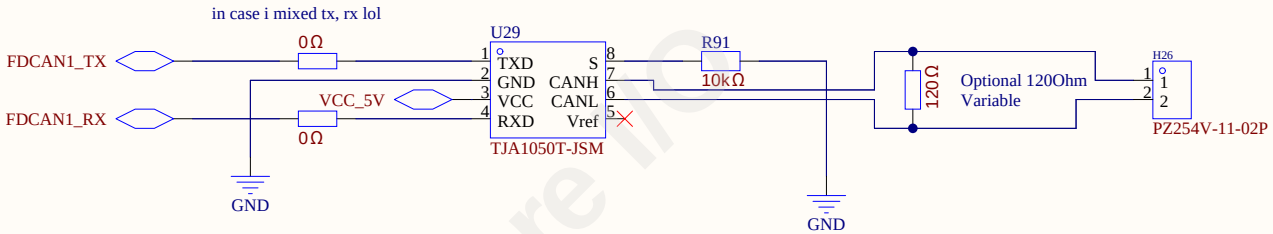
Schematic	HexaCoreI/O	Create at	2025-01-08
		Update at	2025-01-12
Board	Main	Page	Ethernet
Drawn		SpiderTronV5	
Reviewed			
		Version	Size	Page 5 Total 15
EasyEDA		V1.0	A4	EasyEDA.com



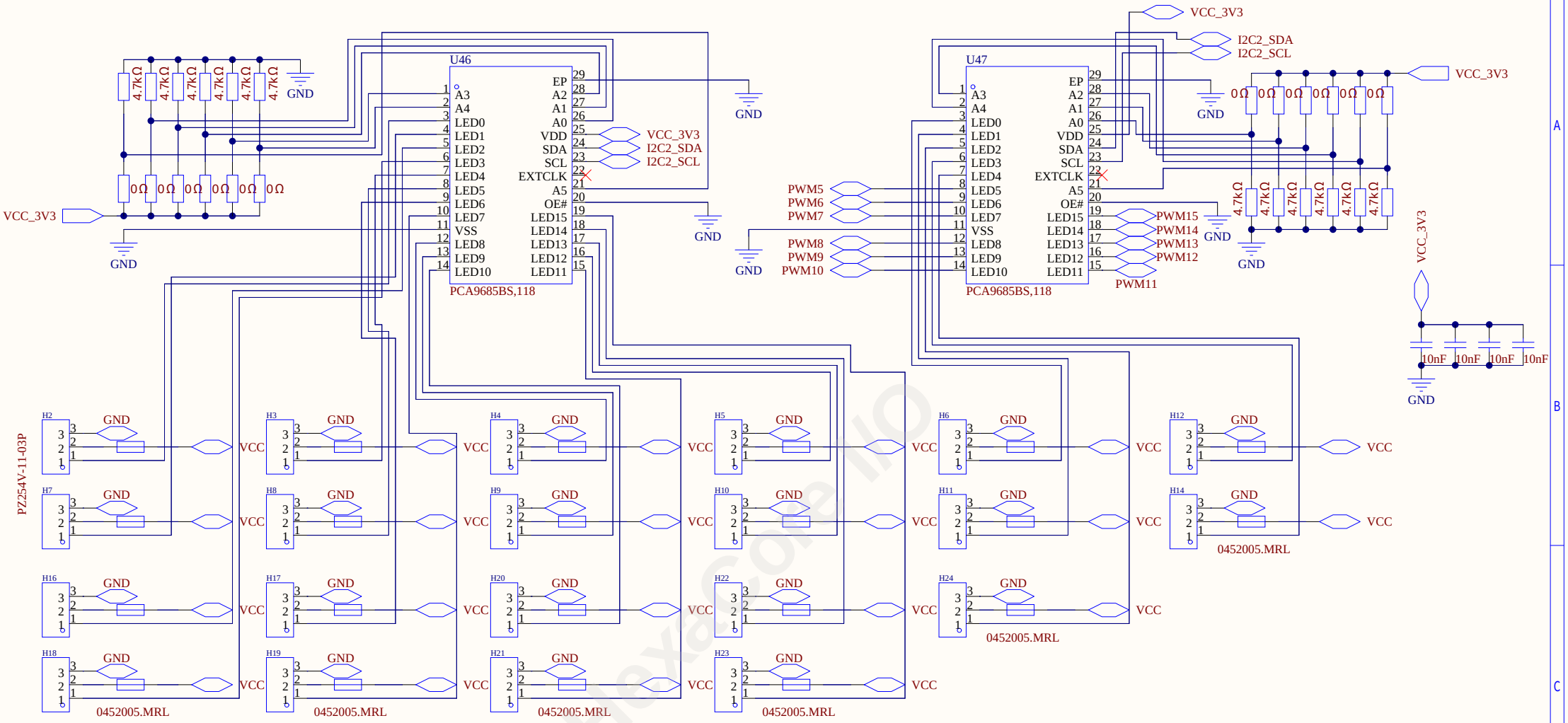
Schematic	HexaCoreI/O	Create at	2025-01-08
		Update at	2025-01-12
Board	Main	Page	I/O expander
Drawn		SpiderTronV5	
Reviewed			
		Version	Size	Page 6 Total 15
EasyEDA		V1.0	A4	EasyEDA.com



Schematic	HexaCoreI/O	Create at	2025-01-08
		Update at	2025-01-12
Board	Main	Page	Micro SD
Drawn		SpiderTronV5	
Reviewed			
		Version / Size	Page 7 Total 15
EasyEDA		V1.0 / A4	EasyEDA.com

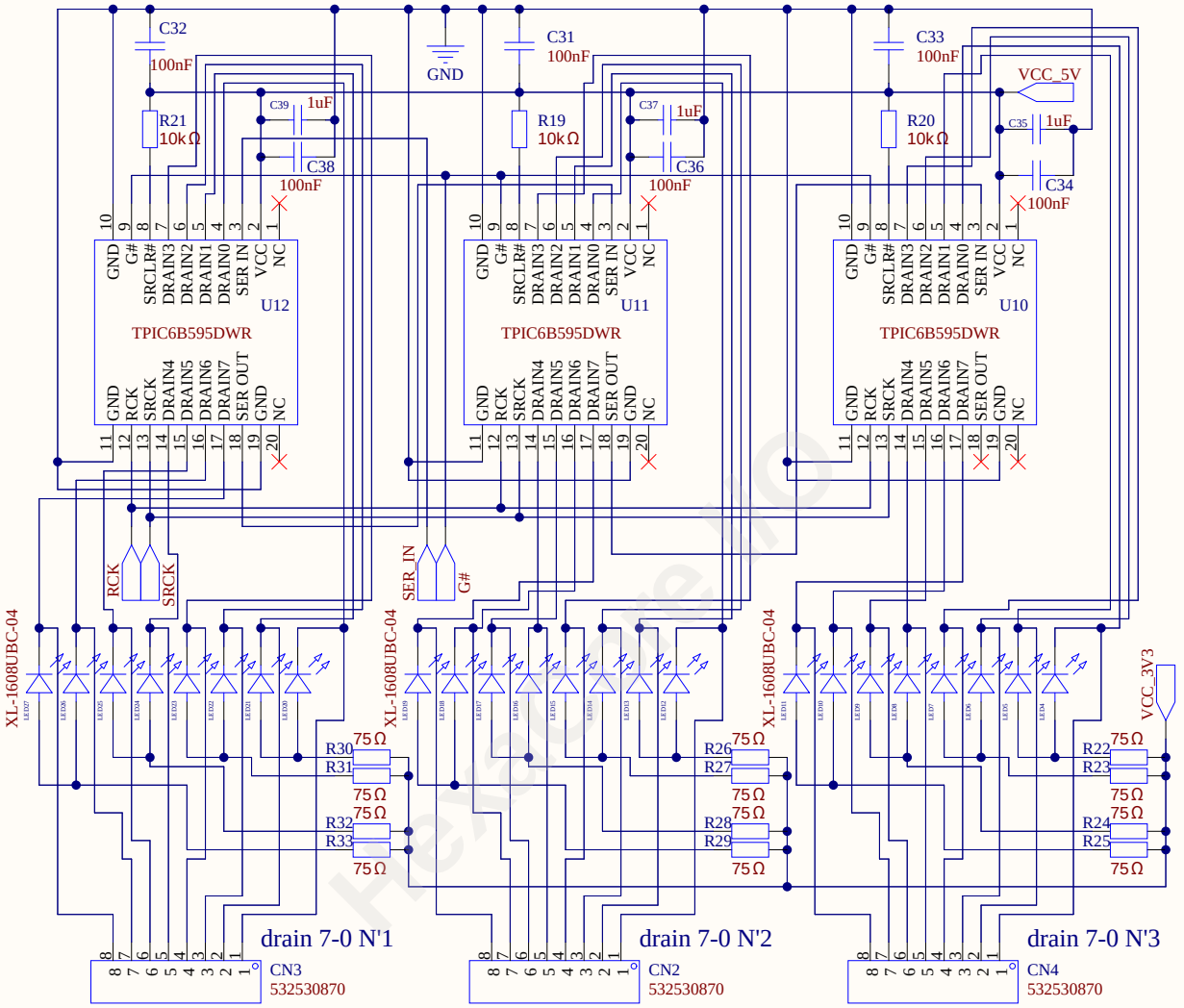


Schematic	HexaCoreI/O	Create at	2025-01-08
		Update at	2025-01-12
Board	Main	Page	CAN
Drawn		SpiderTronV5	
Reviewed			
		Version / Size	Page 8 Total 15
EasyEDA		V1.0 / A4	EasyEDA.com

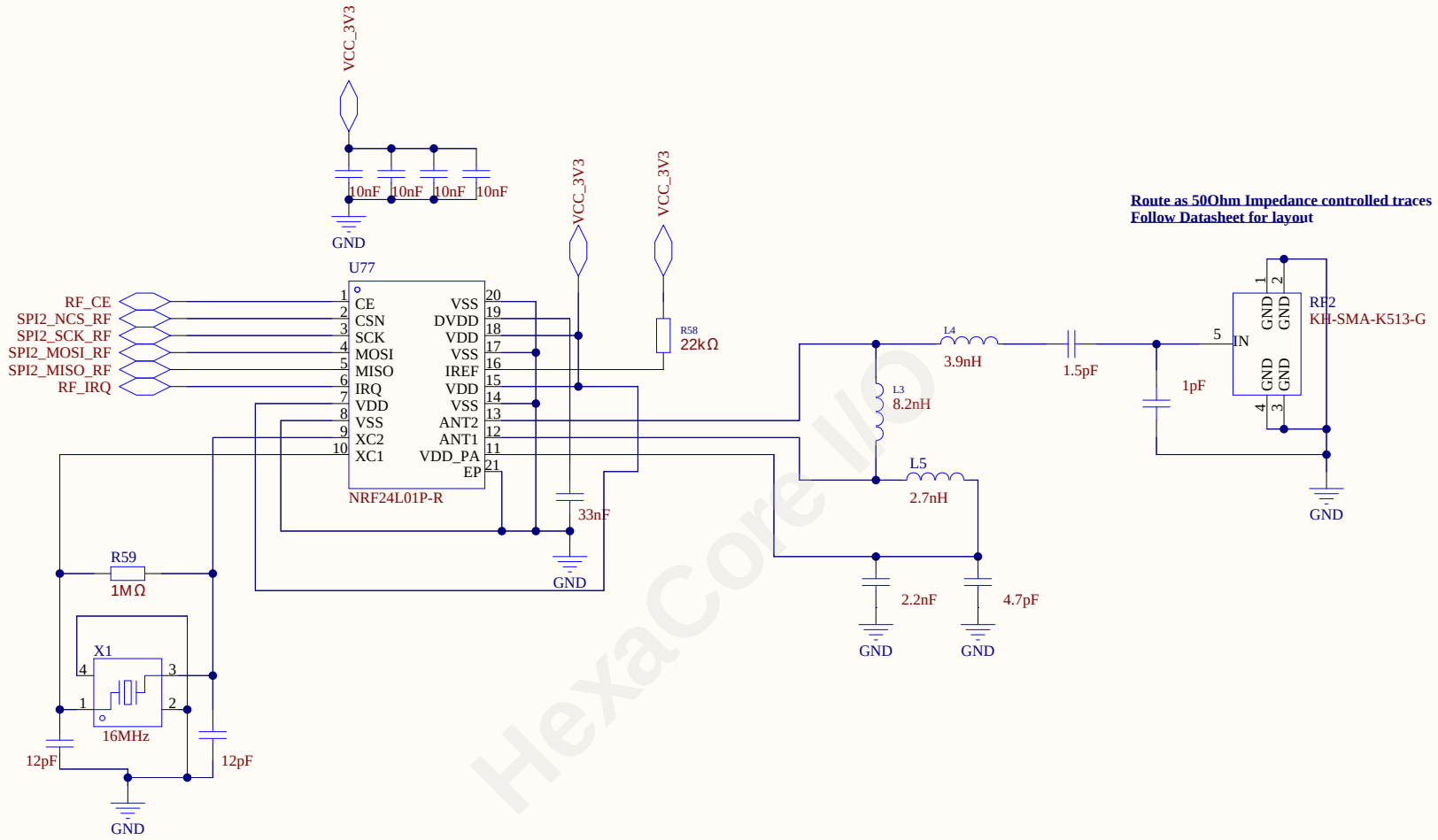


21x Servo GND-VCC-SIG
EACH 5 AMP FUSE

Schematic	HexaCoreI/O	Create at	2025-01-08
		Update at	2025-01-12
Board	Main	Page	Servo Controller
Drawn		SpiderTronV5	
Reviewed			
		Version	Size	Page 9 Total 15
EasyEDA		V1.0	A4	EasyEDA.com

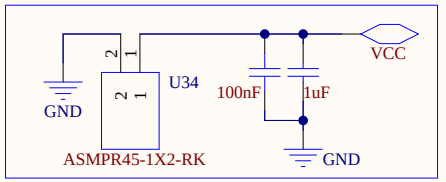


Schematic	HexaCoreI/O	Create at	2025-01-08
		Update at	2025-01-10
Board	Main	Page	Shift Registers
Drawn		SpiderTronV5	
Reviewed			
		Version	Size	Page 10 Total 15
EasyEDA		V1.0	A4	EasyEDA.com

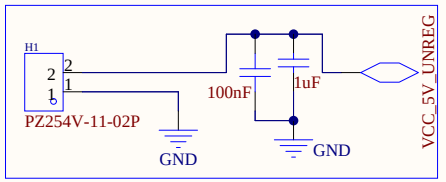


Schematic	HexaCoreI/O	Create at	2025-01-08
		Update at	2025-01-12
Board	Main	Page	WiFi
Drawn		SpiderTronV5	
Reviewed			
		Version	Size	Page 11 Total 15
EasyEDA		V1.0	A4	EasyEDA.com

Power In

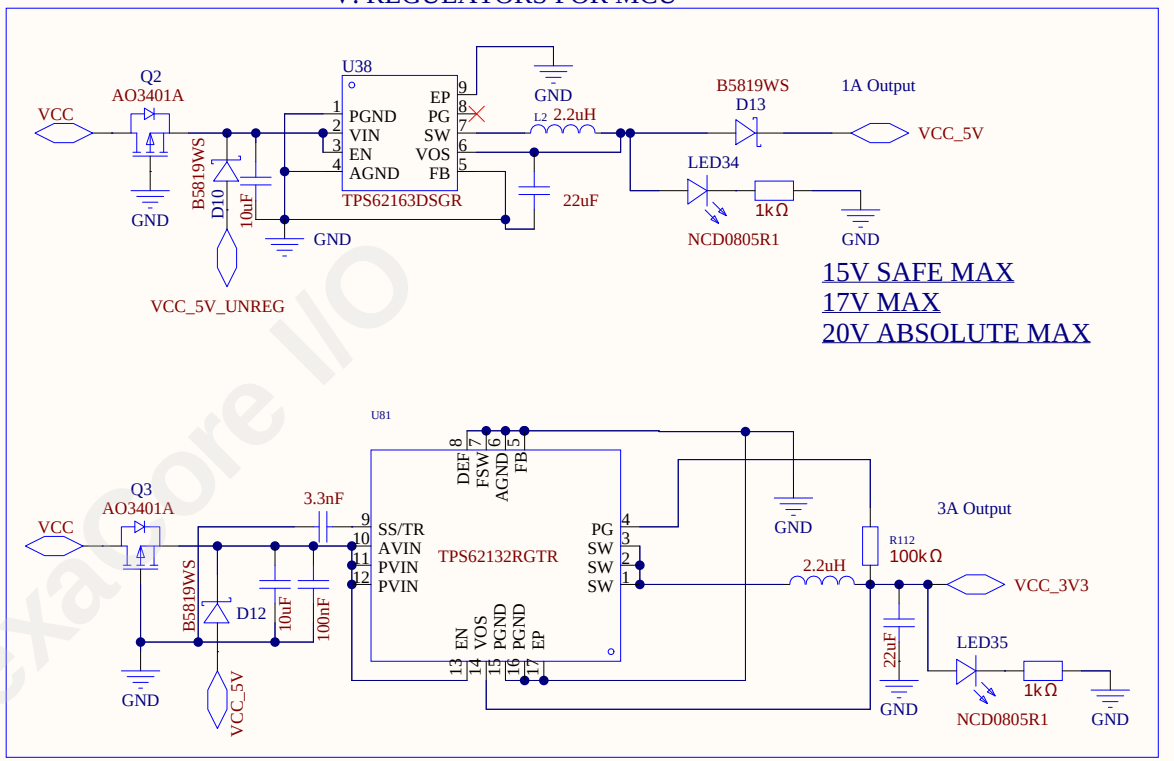


High Amperage IN - Servos



Low Amp - Low Voltage IN - MCU 5V

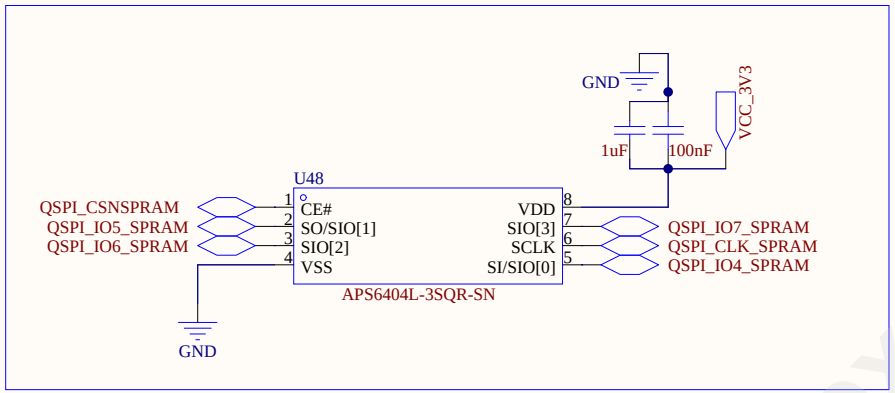
V. REGULATORS FOR MCU



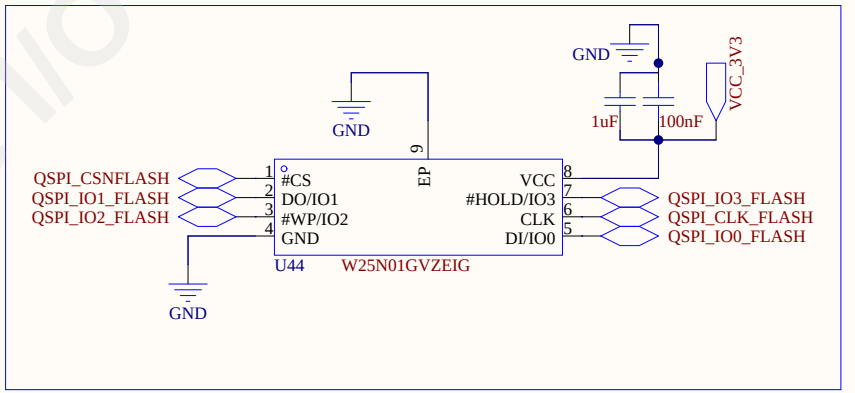
Schematic	HexaCoreI/O	Create at	2025-01-08
		Update at	2025-01-12
Board	Main	Page	Power IN
Drawn		SpiderTronV5	
Reviewed			
		Version	Size / Page 12 Total 15
EasyEDA		V1.0	A4 / EasyEDA.com

QUAD SPI, CONNECTED TO STM32 OCTOSPI IN0-7

SPRAM 64Mbit 125~kByte



FLASH 1Gbit, 125~Mbytes

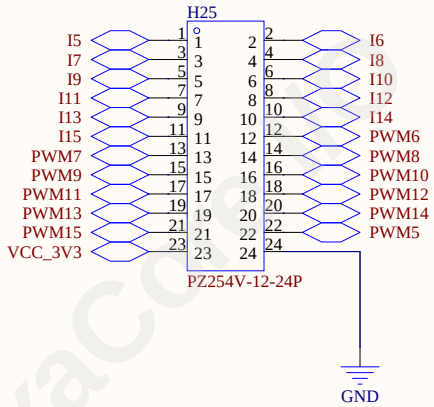


Schematic	HexaCoreI/O	Create at	2025-01-09
		Update at	2025-01-12
Board	Main	Page	Flash & RAM
Drawn		SpiderTronV5	
Reviewed			
	Version	Size	Page 13 Total 15
EasyEDA	V1.0	A4	EasyEDA.com

21x ACS712
5A MAX
Hall Current Sensors for servos
SERVO 5A MAX CONSUMPTION

16x Connected to AMUX 1
5x Connected to AMUX 2

Schematic	HexaCoreI/O	Create at	2025-01-10
		Update at	2025-01-12
Board	Main	Page	Current Sensors
Drawn		SpiderTronV5	
Reviewed			
		Version	Size	Page 14 Total 15
EasyEDA		V1.0	A4	EasyEDA.com



Schematic	HexaCoreI/O	Create at	2025-01-10
		Update at	2025-01-12
Board	Main	Page	ExtraPins
Drawn		SpiderTronV5	
Reviewed			
		Version	Size
EasyEDA		V1.0	A4
		Page 15 Total 15	
		EasyEDA.com	