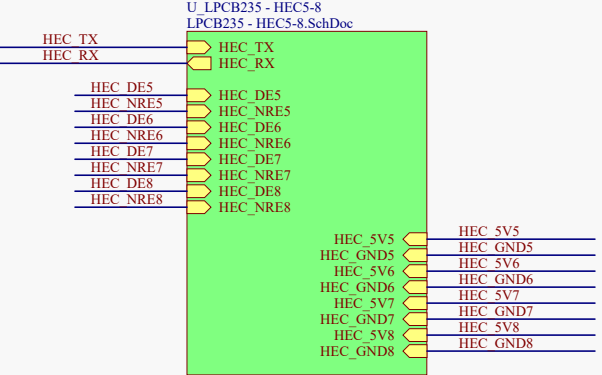
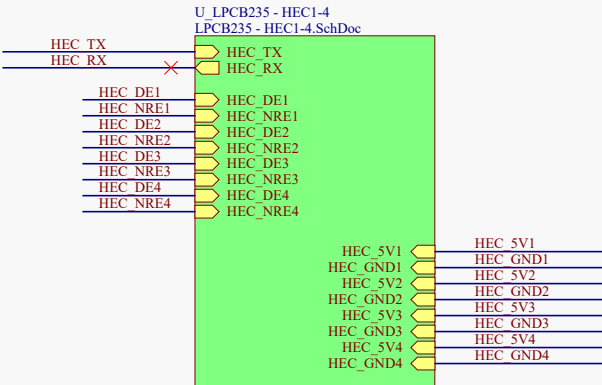
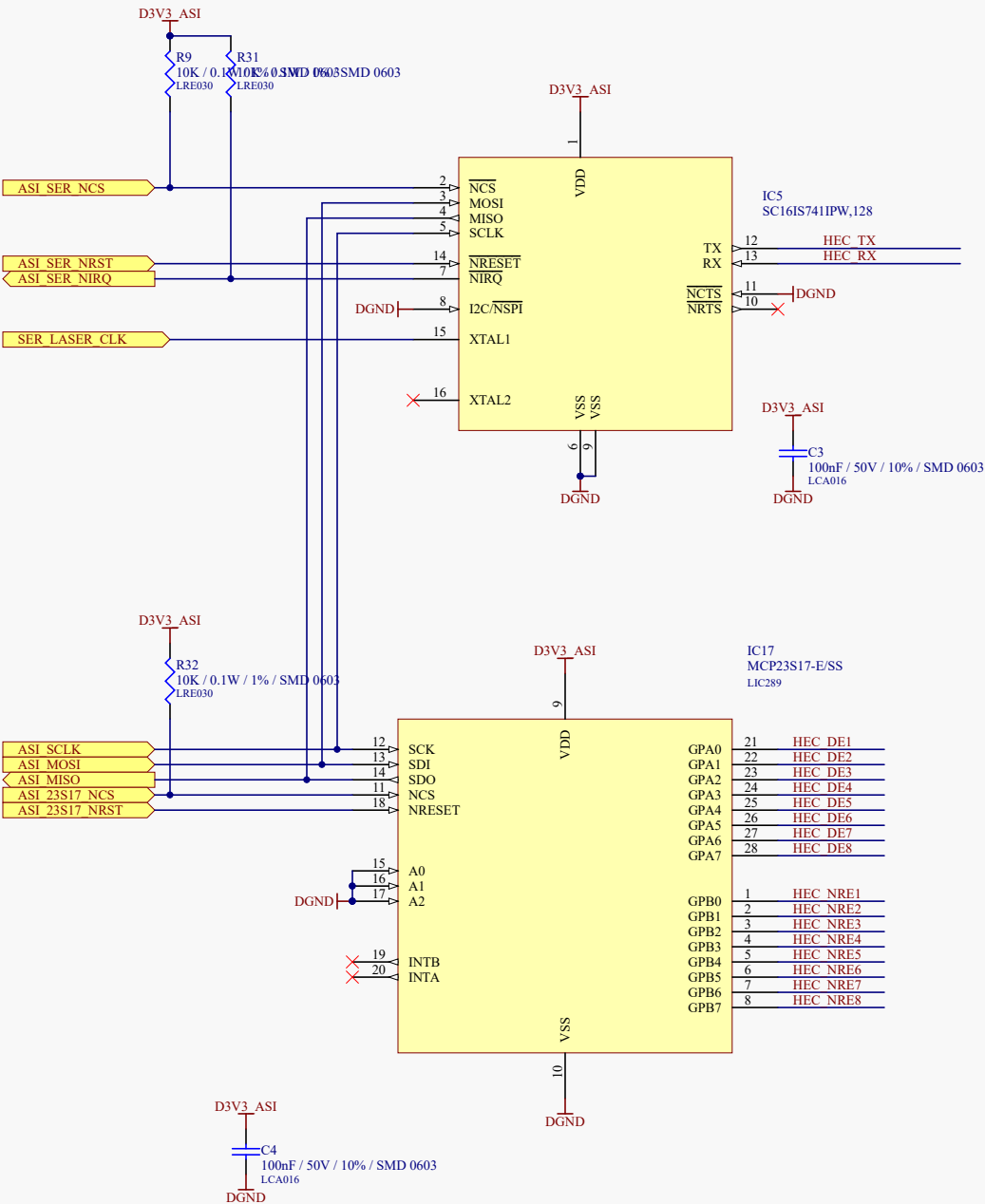

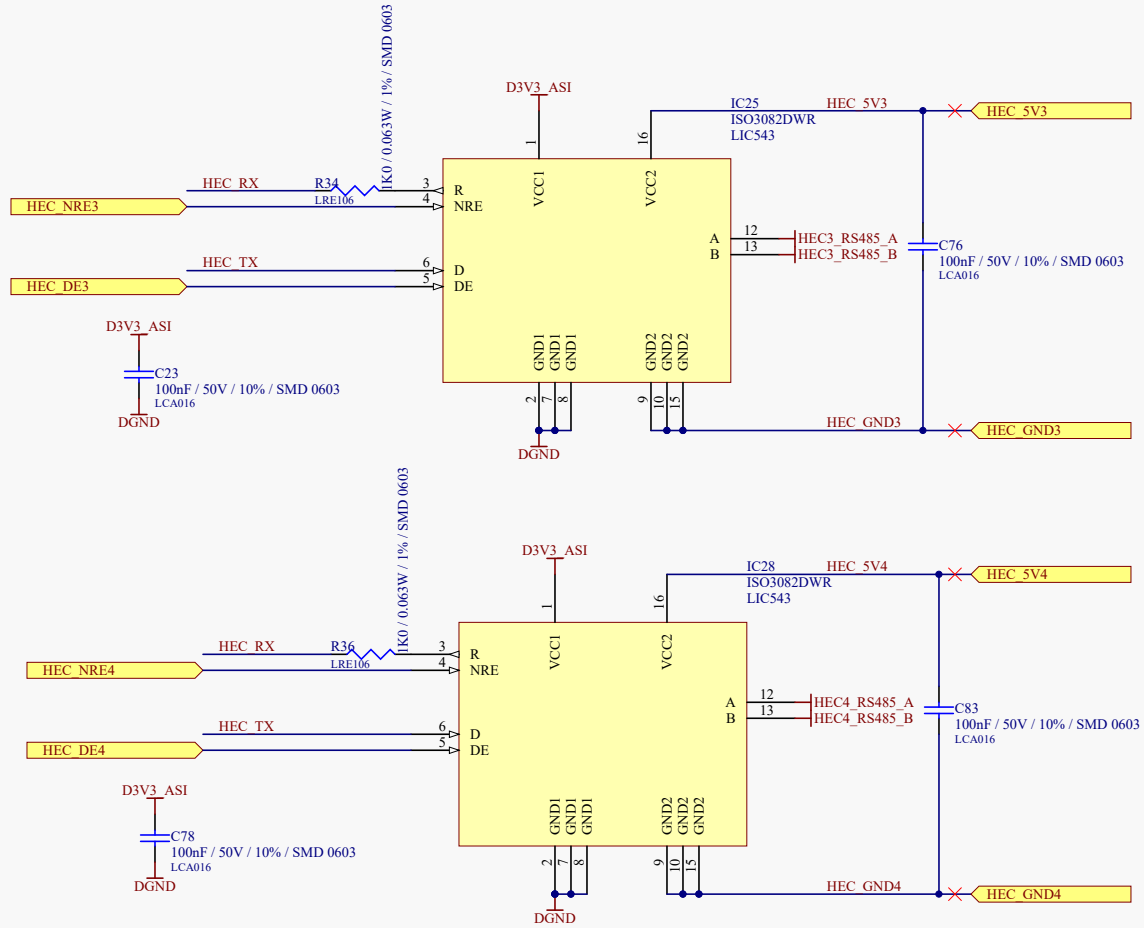
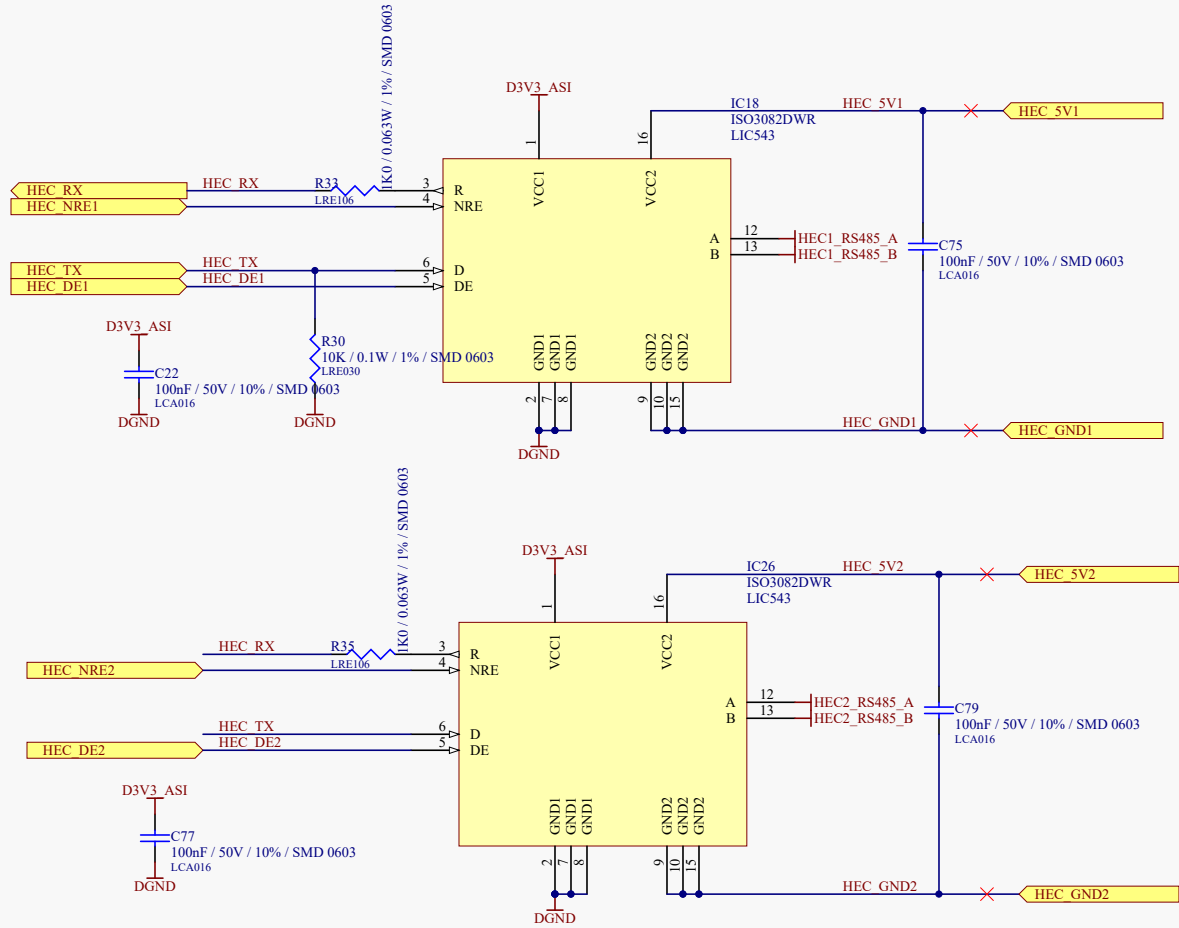



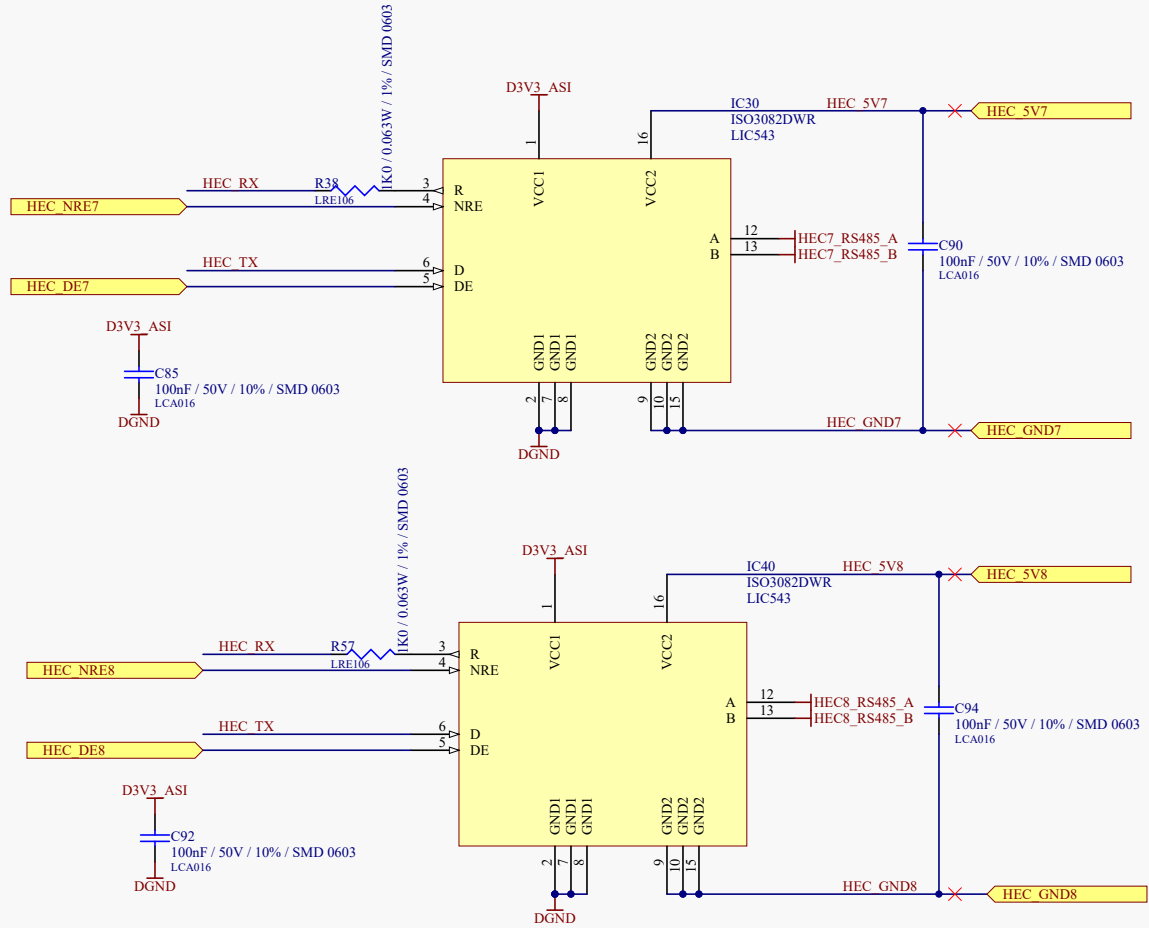
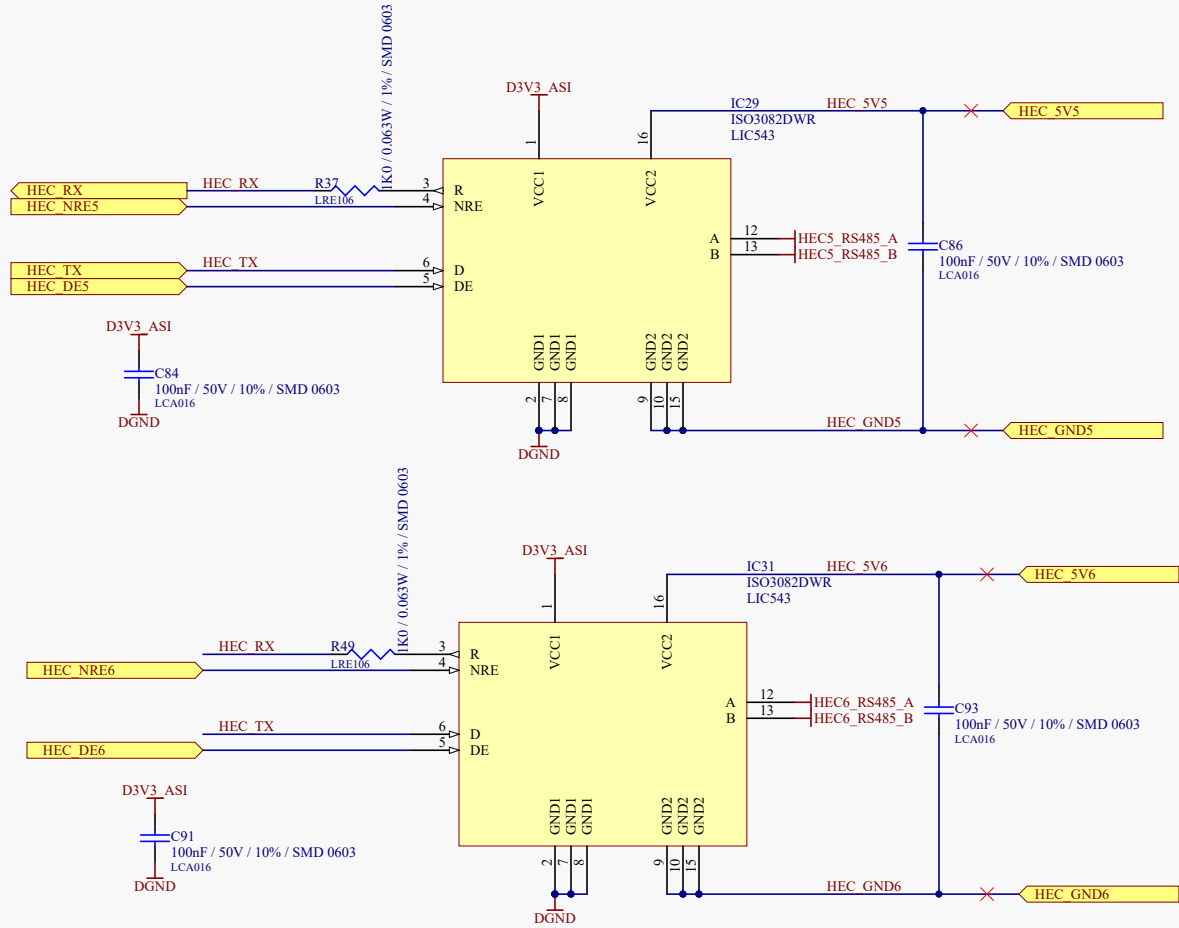
HEC_5V[1..8]
HEC_GND[1..8]



 http://rloop.org	PCB COMPONENT DESCRIPTION		LDL NUMBER
	Flight Control Unit		LPCB235
	Assembly Details		
	FCU PCB		
	ASI RS485 Link		
Size	Drawing File Name		Revision
A3	LPCB235 - ASI RS485.SchDoc		1
Scale		Sheet Details	
N.T.S		Sheet: 3 Of: 37	

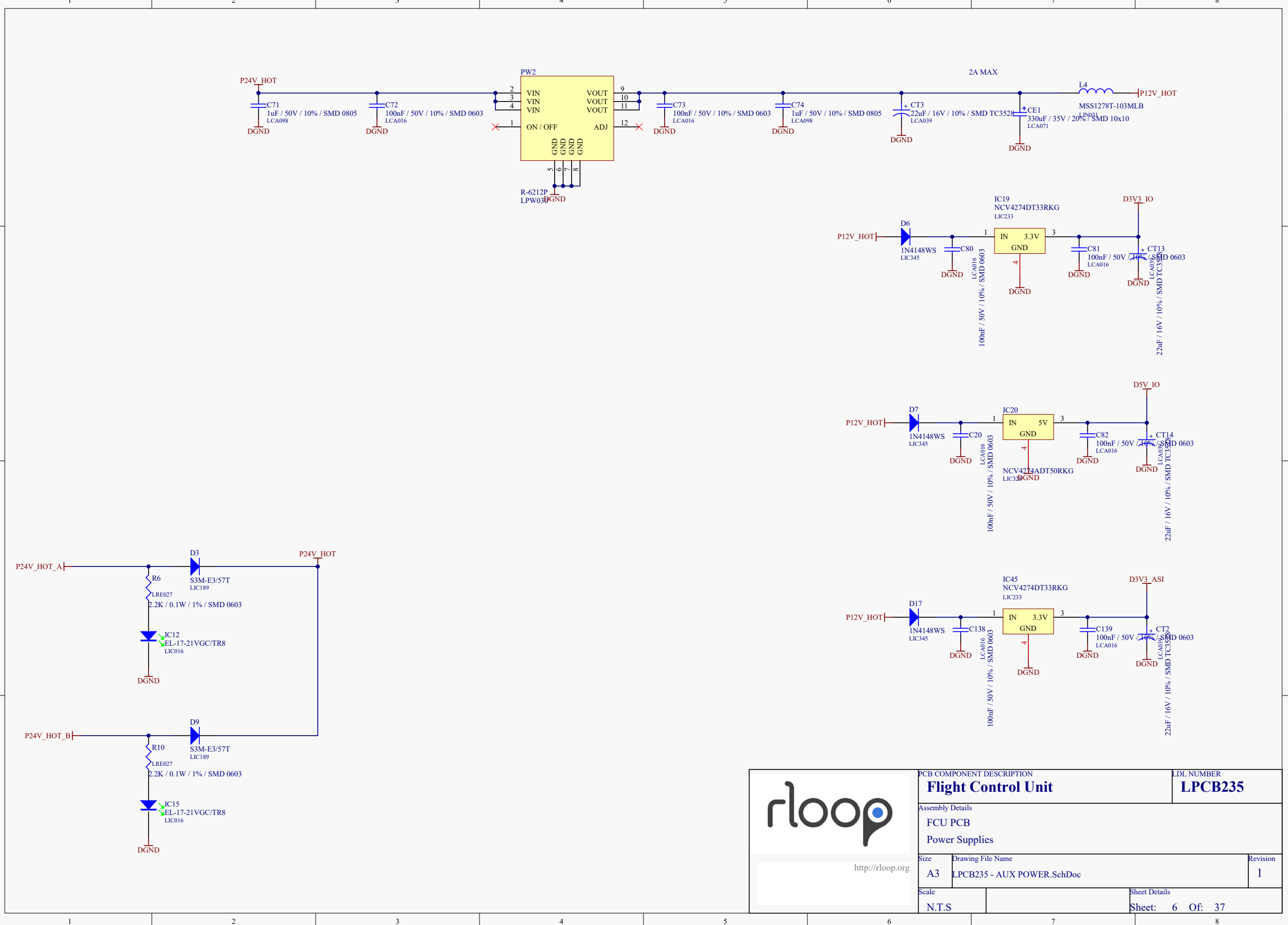


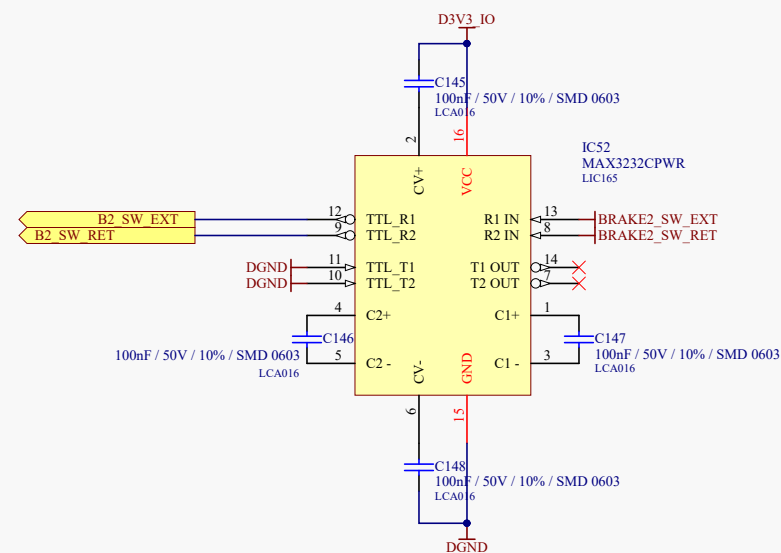
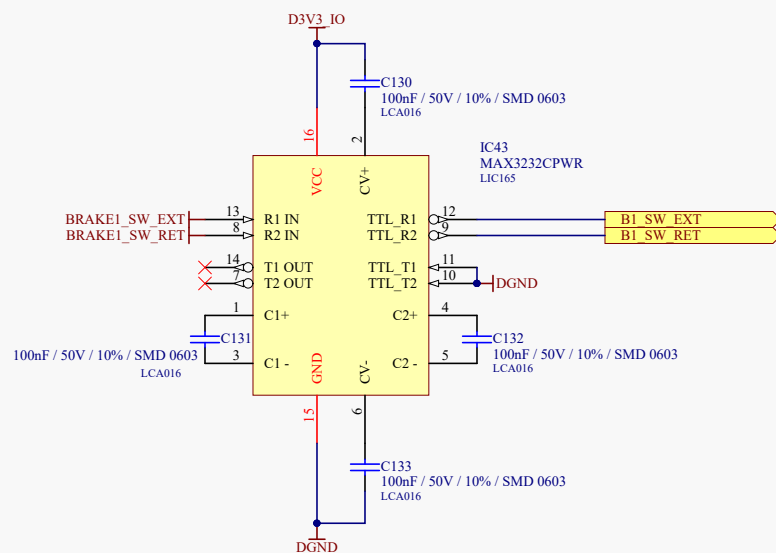
 http://rloop.org	PCB COMPONENT DESCRIPTION		LDL NUMBER
	Flight Control Unit		LPCB235
	Assembly Details		
	FCU PCB		
	HEC 1-4		
Size	Drawing File Name		Revision
A3	LPCB235 - HEC1-4.SchDoc		1
Scale			Sheet Details
N.T.S			Sheet: 4 Of: 37



<http://rloop.org>

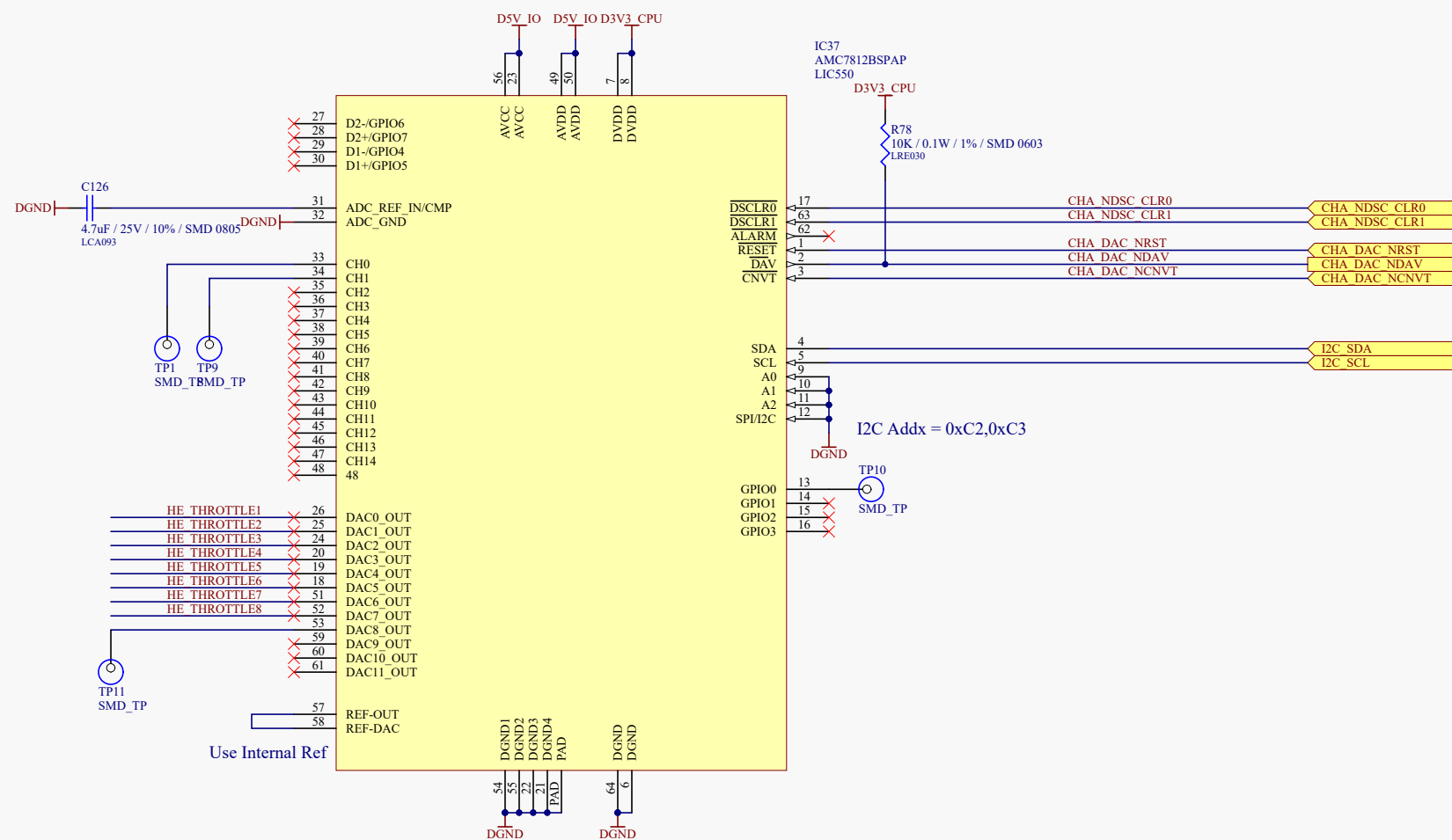
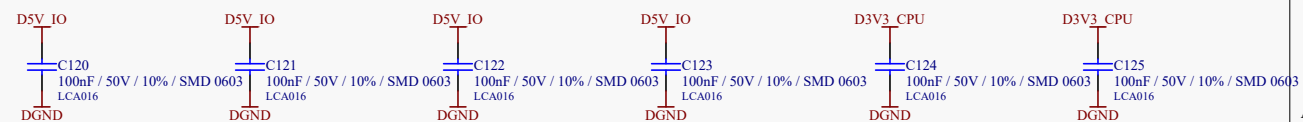
PCB COMPONENT DESCRIPTION		LDL NUMBER
Flight Control Unit		LPCB235
Assembly Details		
FCU PCB		
HEC 5-8		
Size	Drawing File Name	Revision
A3	LPCB235 - HEC5-8.SchDoc	1
Scale		Sheet Details
N.T.S		Sheet: 5 Of: 37





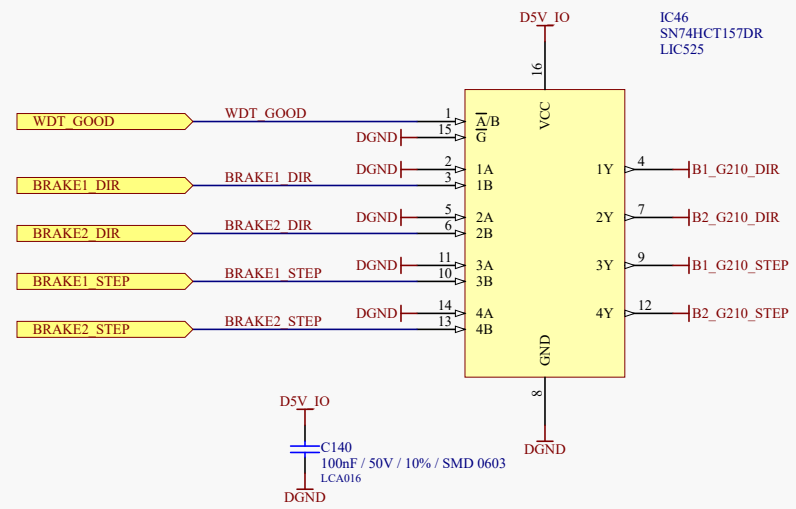
<http://rloop.org>


PCB COMPONENT DESCRIPTION		LDL NUMBER	
Flight Control Unit		LPCB235	
Assembly Details			
FCU PCB			
Brake Limit Switches			
Size	Drawing File Name		Revision
A3	LPCB235 - BRAKE LIMIT SW.SchDoc		2
Scale	Sheet Details		
N.T.S	Sheet: 8 Of: 37		

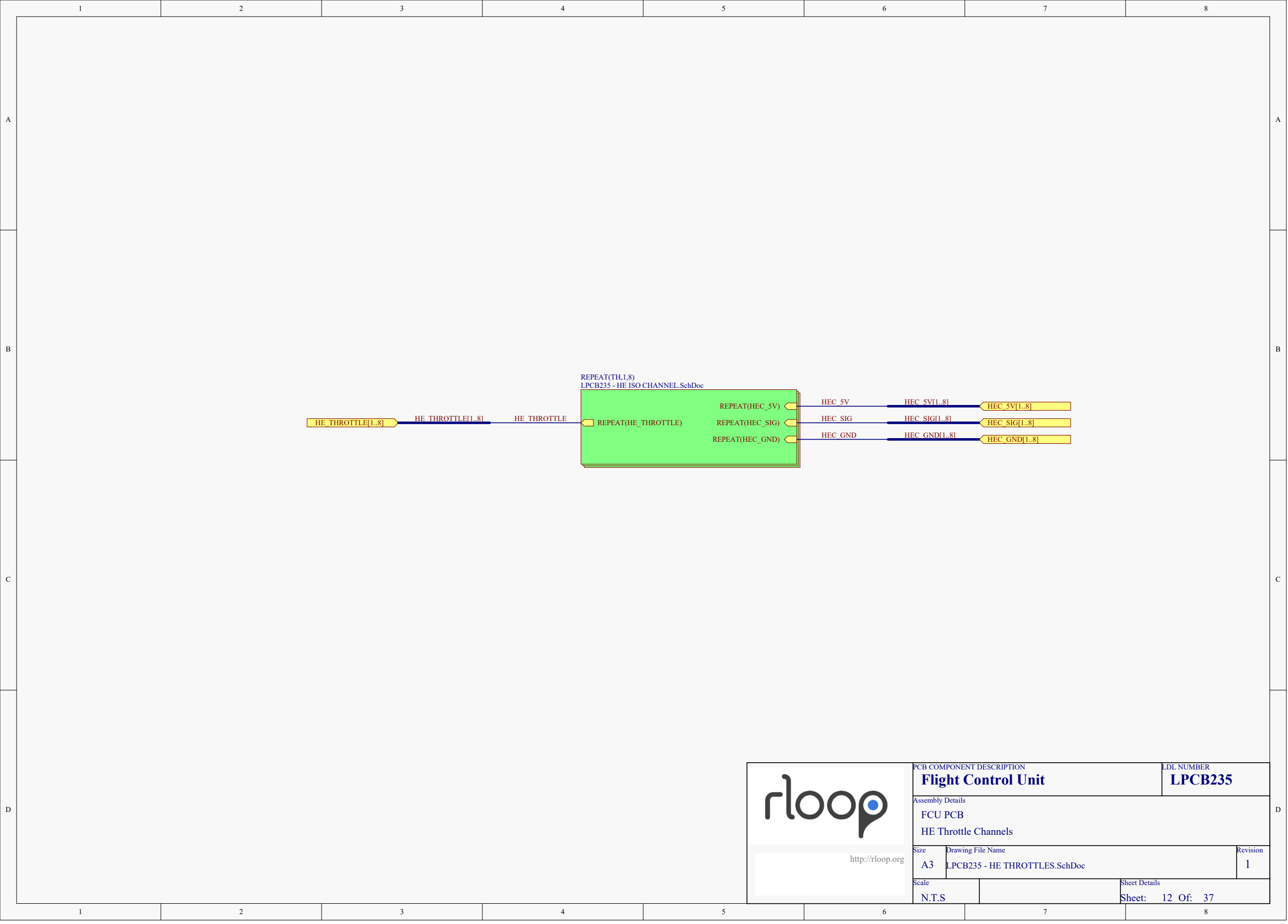



<http://rloop.org>

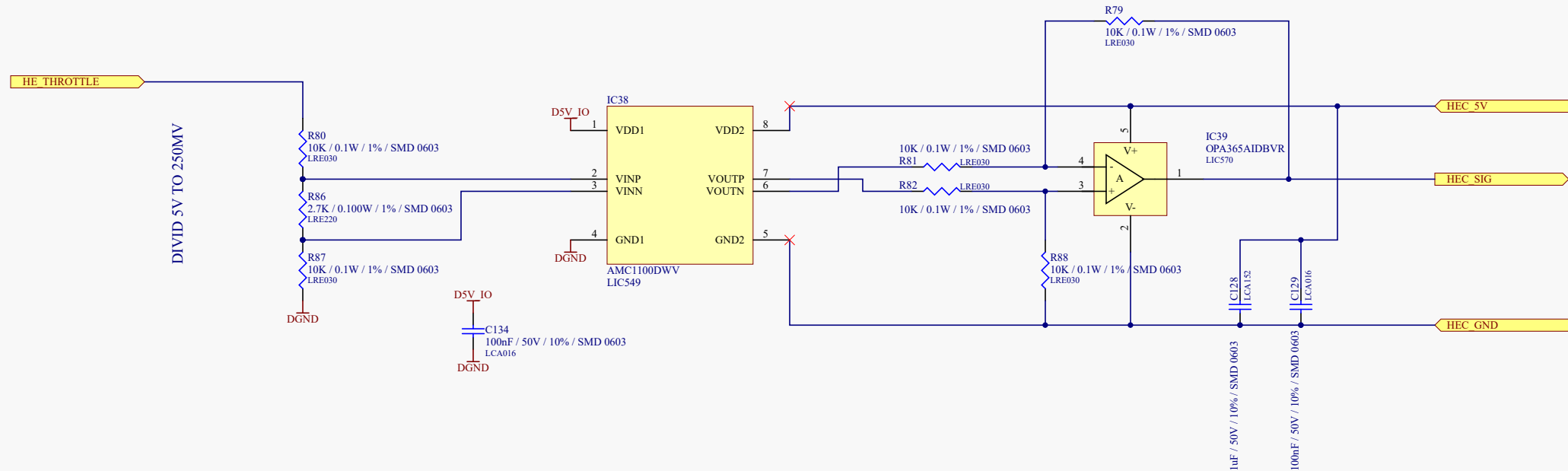
PCB COMPONENT DESCRIPTION		LDL NUMBER	
Flight Control Unit		LPCB235	
Assembly Details			
FCU PCB DAC			
Size	Drawing File Name		Revision
A3	LPCB235 - DAC.SchDoc		1
Scale	Sheet Details		
N.T.S	Sheet: 10 Of: 37		



 http://rloop.org	PCB COMPONENT DESCRIPTION		LDL NUMBER
	Flight Control Unit		LPCB235
	Assembly Details		
	FCU PCB G210X Interface		
Size	Drawing File Name		Revision
A3	LPCB235 - G210 IF AND MUX.SchDoc		1
Scale			Sheet Details
N.T.S			Sheet: 11 Of: 37

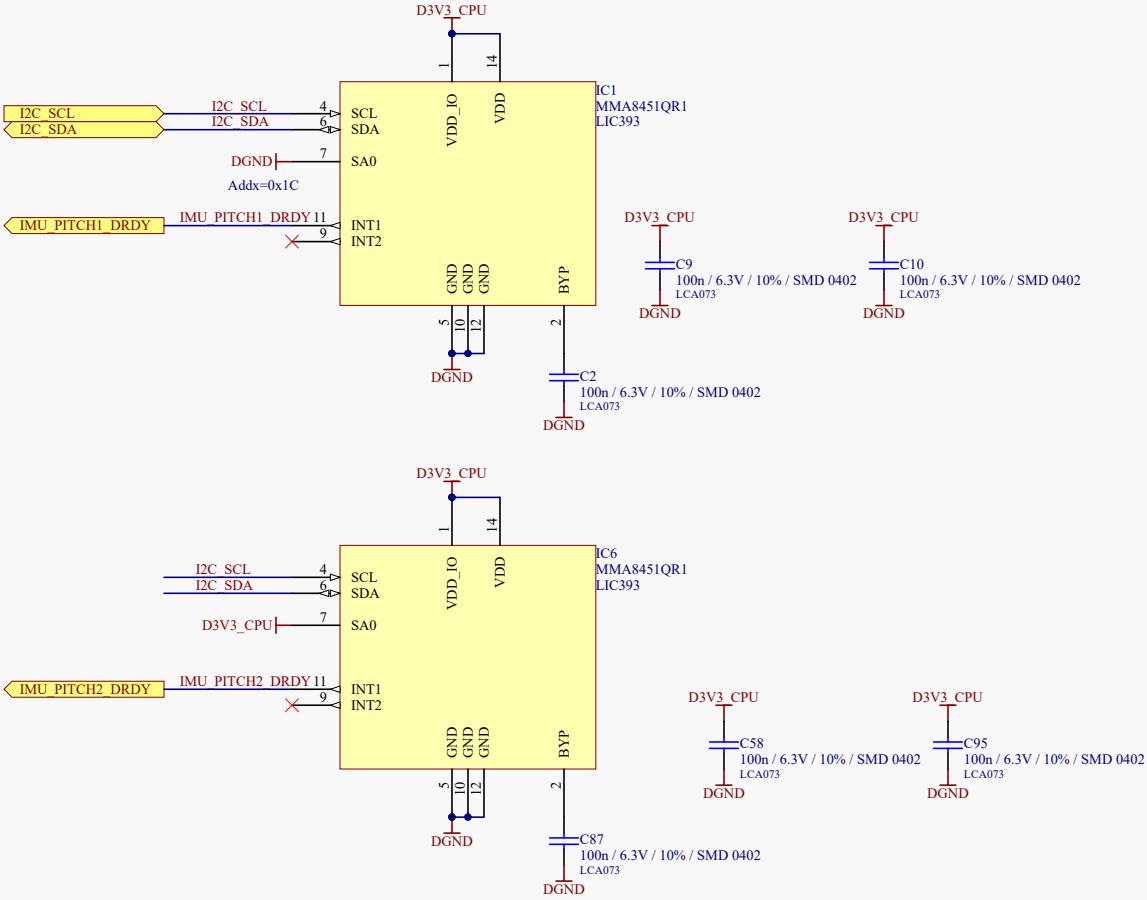



	PCB COMPONENT DESCRIPTION		LDL NUMBER
	Flight Control Unit		LPCB235
	Assembly Details		
http://rloop.org	FCU PCB		
	HE Throttle Channels		
	Size	Drawing File Name	Revision
	A3	LPCB235 - HE THROTTLES.SchDoc	1
	Scale	Sheet Details	
	N.T.S	Sheet: 12 Of: 37	

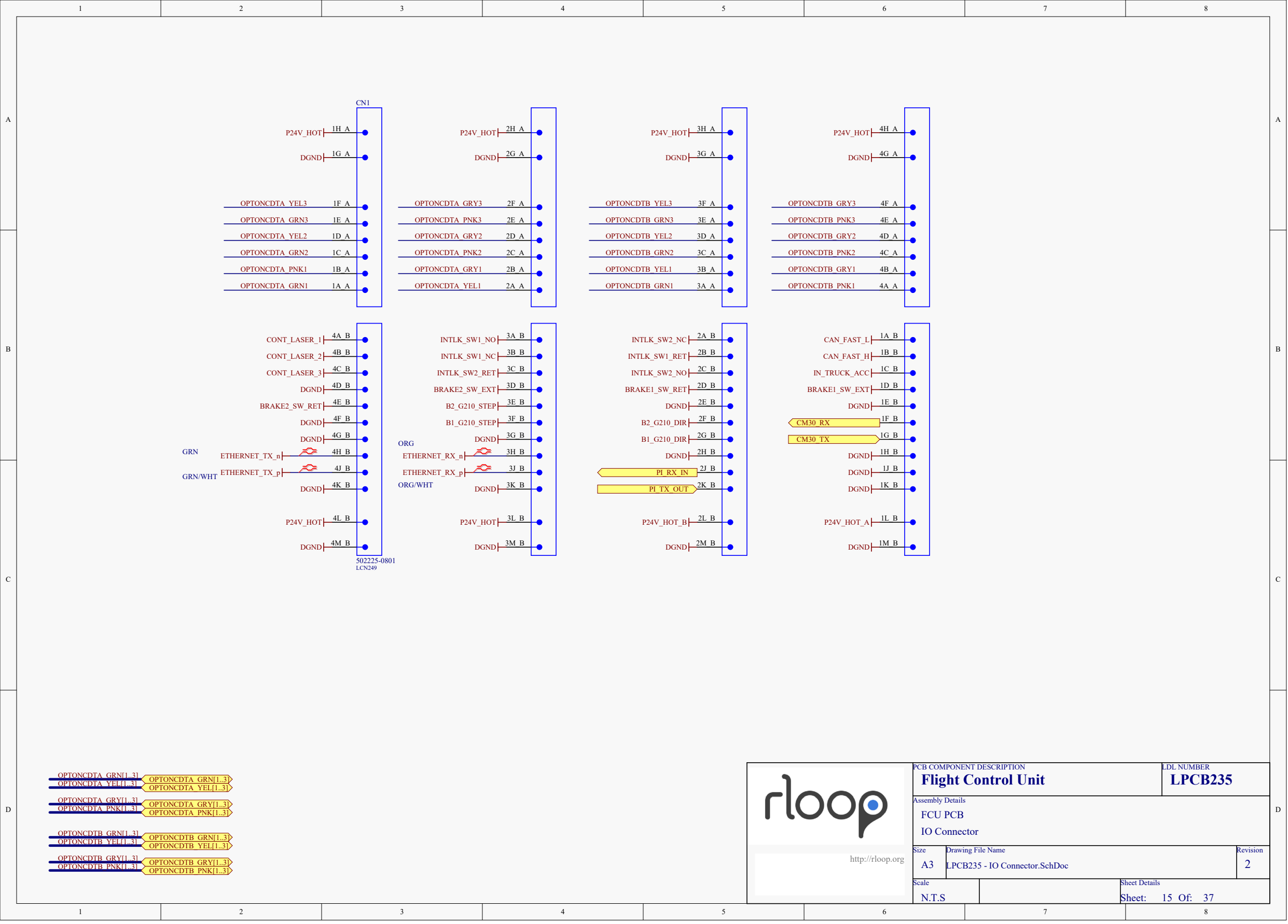


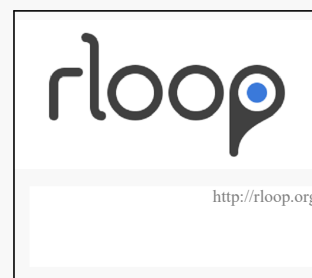
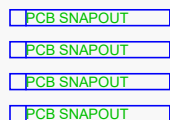
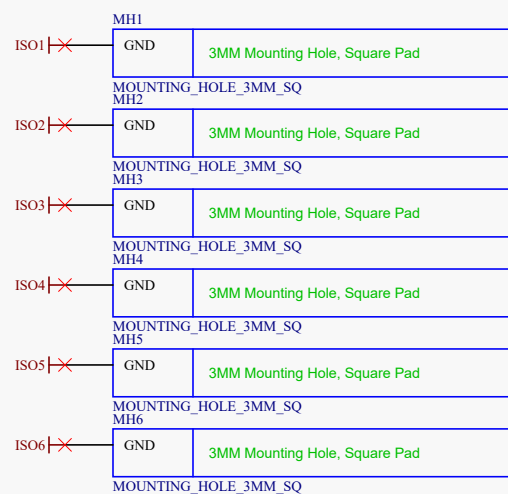
<http://rloop.org>

PCB COMPONENT DESCRIPTION		LDL NUMBER
Flight Control Unit		LPCB235
Assembly Details		
FCU PCB		
HE Isolated Channels		
Size	Drawing File Name	Revision
A3	LPCB235 - HE ISO CHANNEL.SchDoc	1
Scale	Sheet Details	
N.T.S	Sheet: 13 Of: 37	

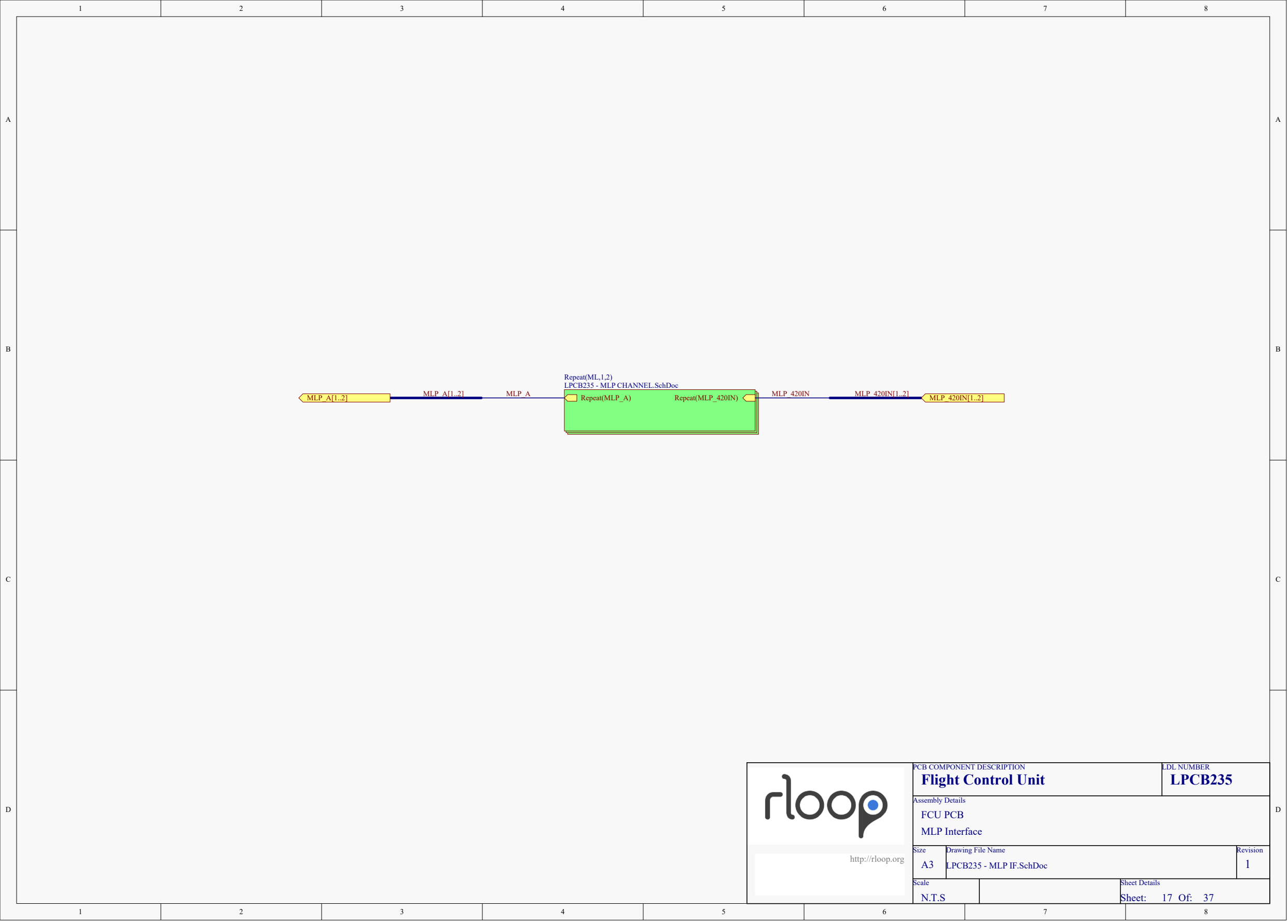



 http://rloop.org	PCB COMPONENT DESCRIPTION		LDL NUMBER
	Flight Control Unit		LPCB235
	Assembly Details		
	FCU PCB Inertial Measurement Unit		
Size	Drawing File Name		Revision
A3	LPCB235 - IMU.SchDoc		2
Scale		Sheet Details	
N.T.S		Sheet: 14 Of: 37	

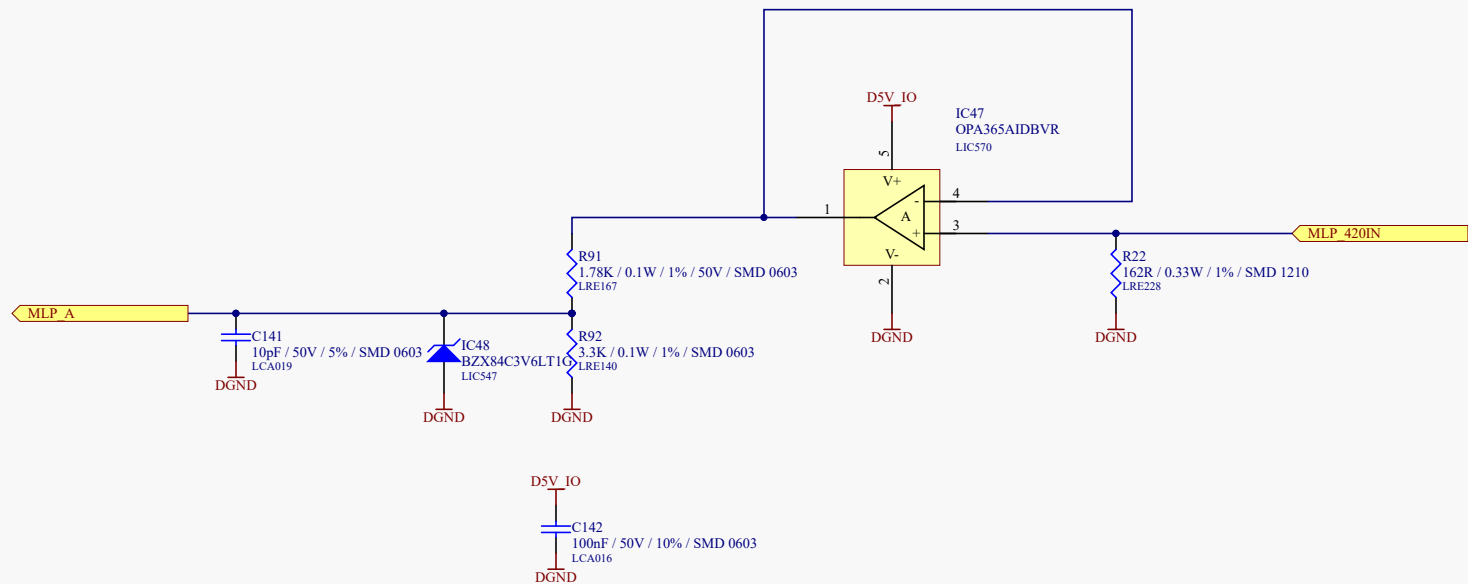





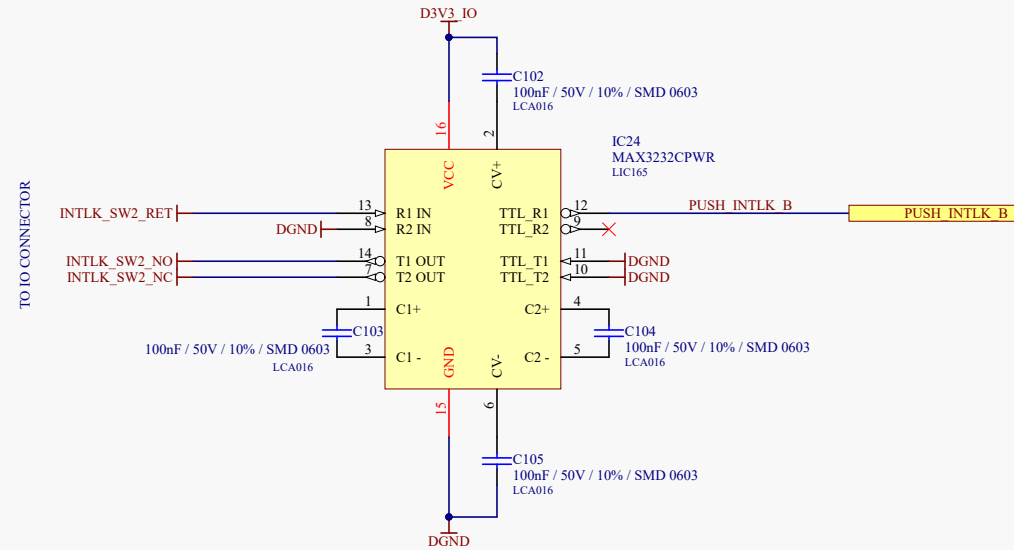
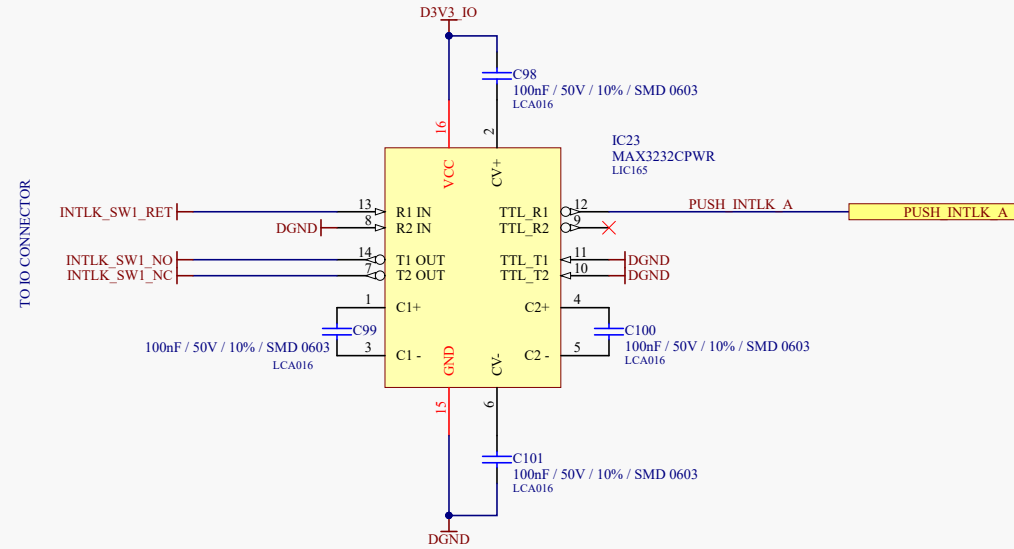
PCB COMPONENT DESCRIPTION		LDL NUMBER
Flight Control Unit		LPCB235
Assembly Details		
FCU PCB		
Mechanical Parts		
Size	Drawing File Name	Revision
A3	LPCB235 - MECHANICAL.SchDoc	1
Scale	Sheet Details	
N.T.S	Sheet: 16 Of: 37	



 http://rloop.org	PCB COMPONENT DESCRIPTION		LDL NUMBER
	Flight Control Unit		LPCB235
	Assembly Details		
	FCU PCB		
	MLP Interface		
Size	Drawing File Name		Revision
A3	LPCB235 - MLP IF.SchDoc		1
Scale			Sheet Details
N.T.S			Sheet: 17 Of: 37

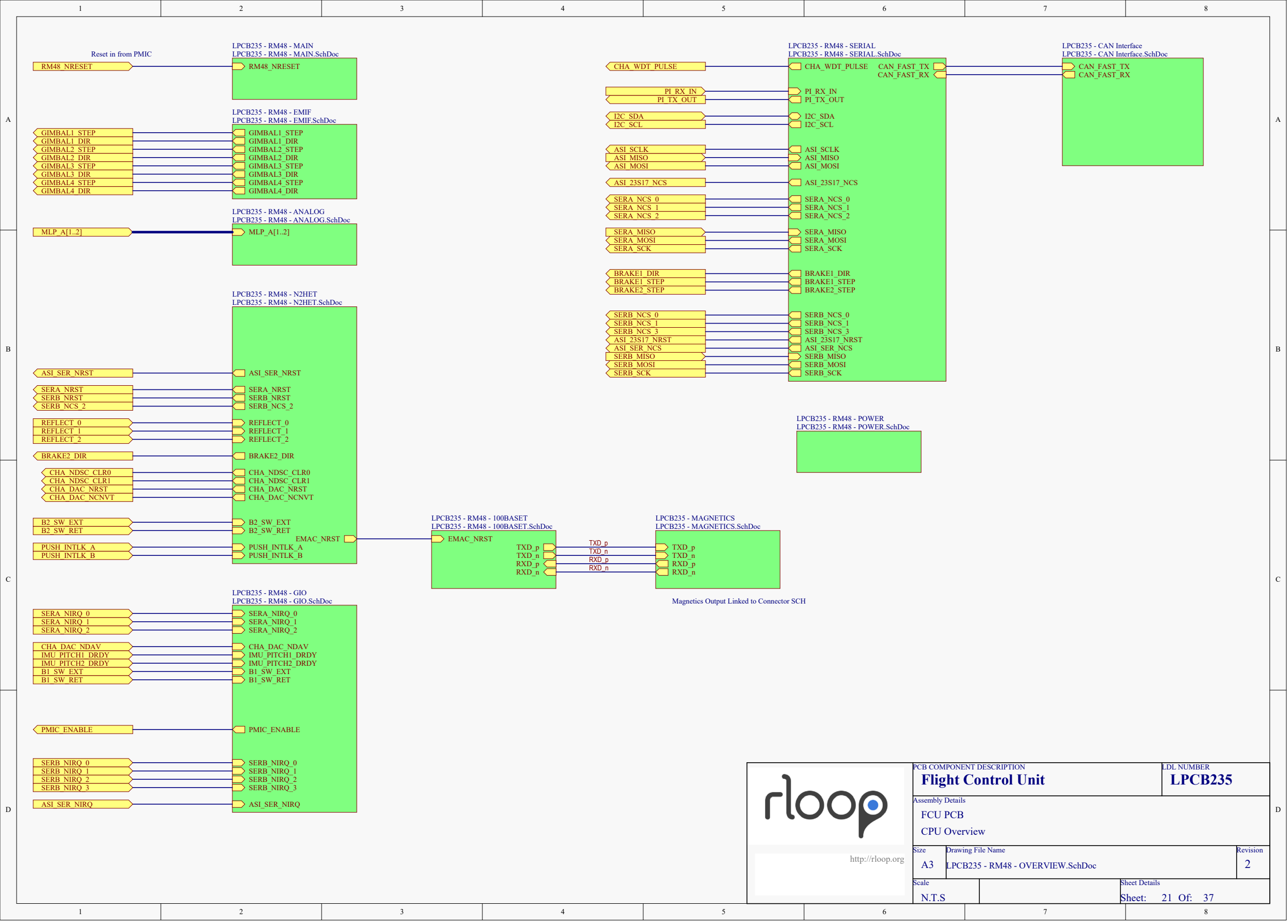


 http://rloop.org	PCB COMPONENT DESCRIPTION		LDL NUMBER
	Flight Control Unit		LPCB235
	Assembly Details		
	FCU PCB		
	MLP Channel		
Size	Drawing File Name		Revision
A3	LPCB235 - MLP CHANNEL.SchDoc		1
Scale			Sheet Details
N.T.S			Sheet: 18 Of: 37

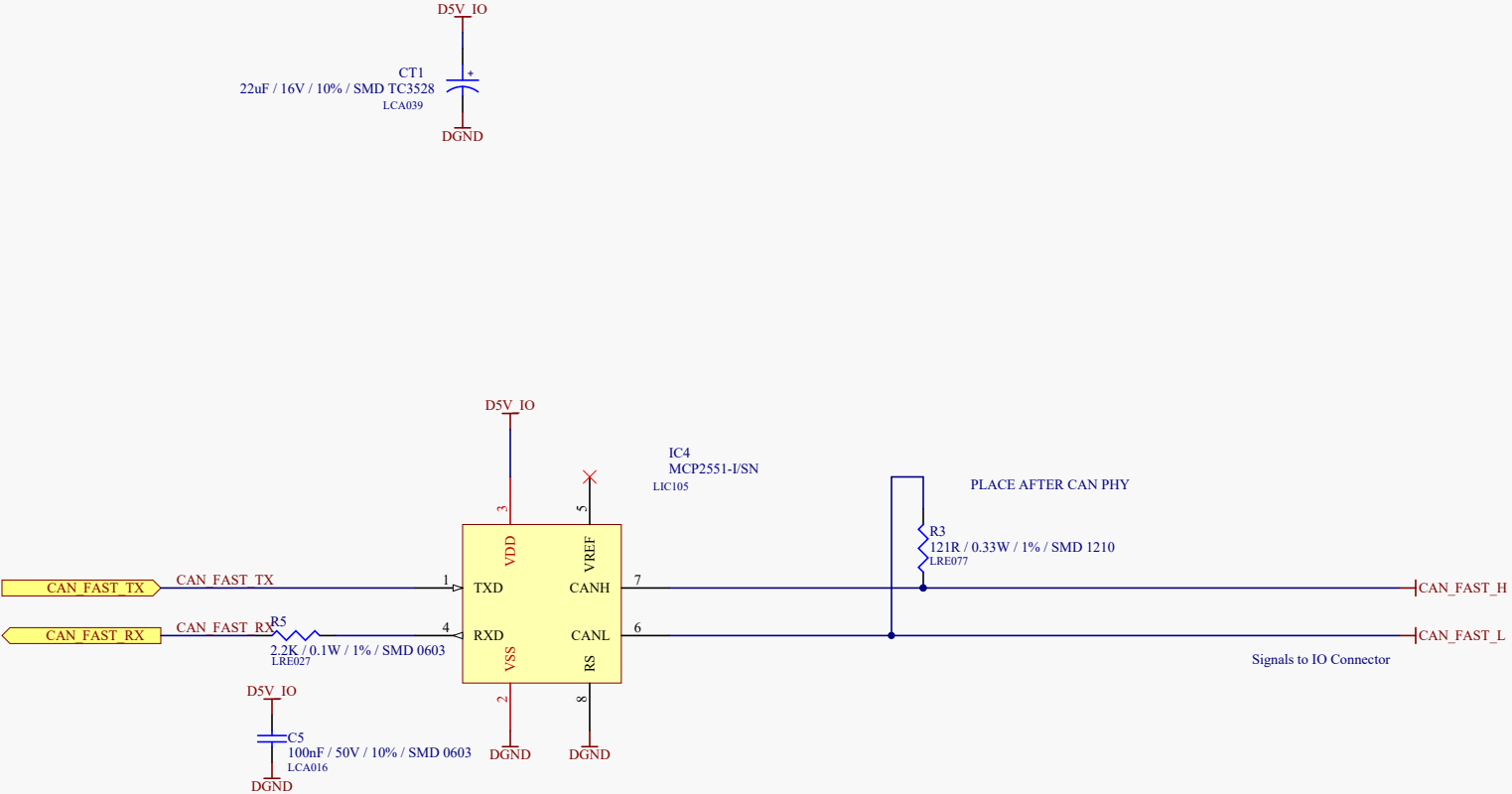



<http://rloop.org>

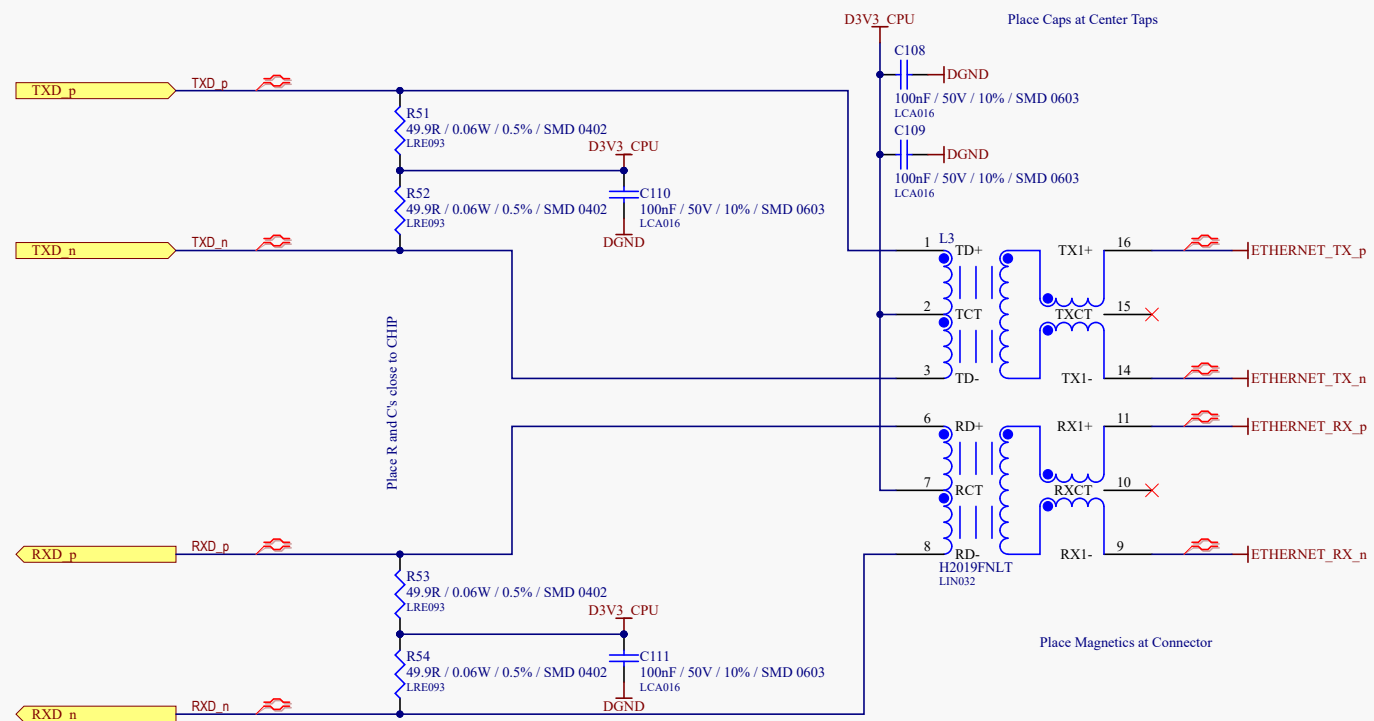
PCB COMPONENT DESCRIPTION		LDL NUMBER
Flight Control Unit		LPCB235
Assembly Details		
FCU PCB		
Pusher Interlock		
Size	Drawing File Name	Revision
A3	LPCB235 - PUSHER INTERLOCK.SchDoc	1
Scale	Sheet Details	
N.T.S	Sheet: 20 Of: 37	



PCB COMPONENT DESCRIPTION			LDL NUMBER
Flight Control Unit			LPCB235
Assembly Details			
FCU PCB			
CPU Overview			
Size	Drawing File Name		Revision
A3	LPCB235 - RM48 - OVERVIEW.SchDoc		2
Scale			Sheet Details
N.T.S			Sheet: 21 Of: 37

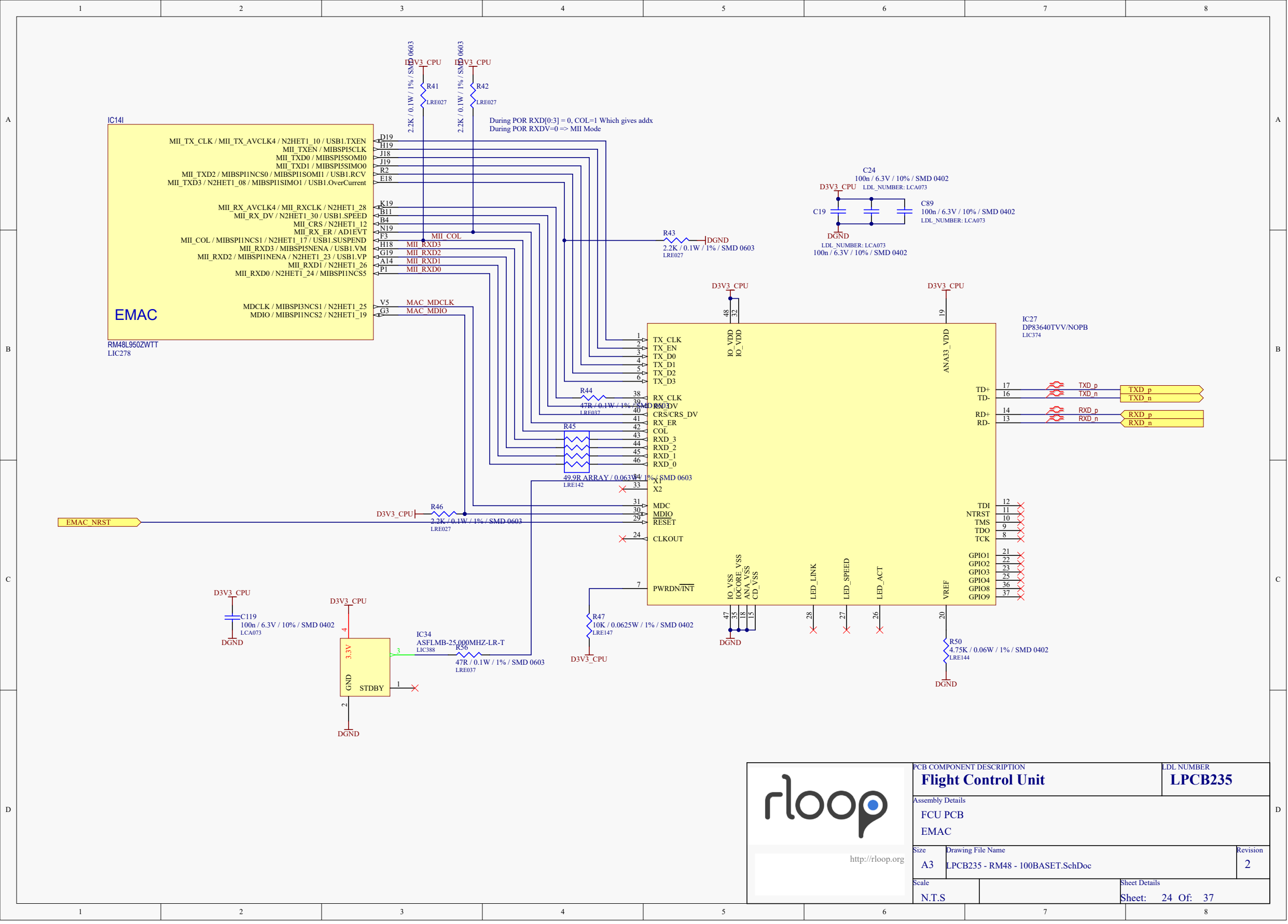


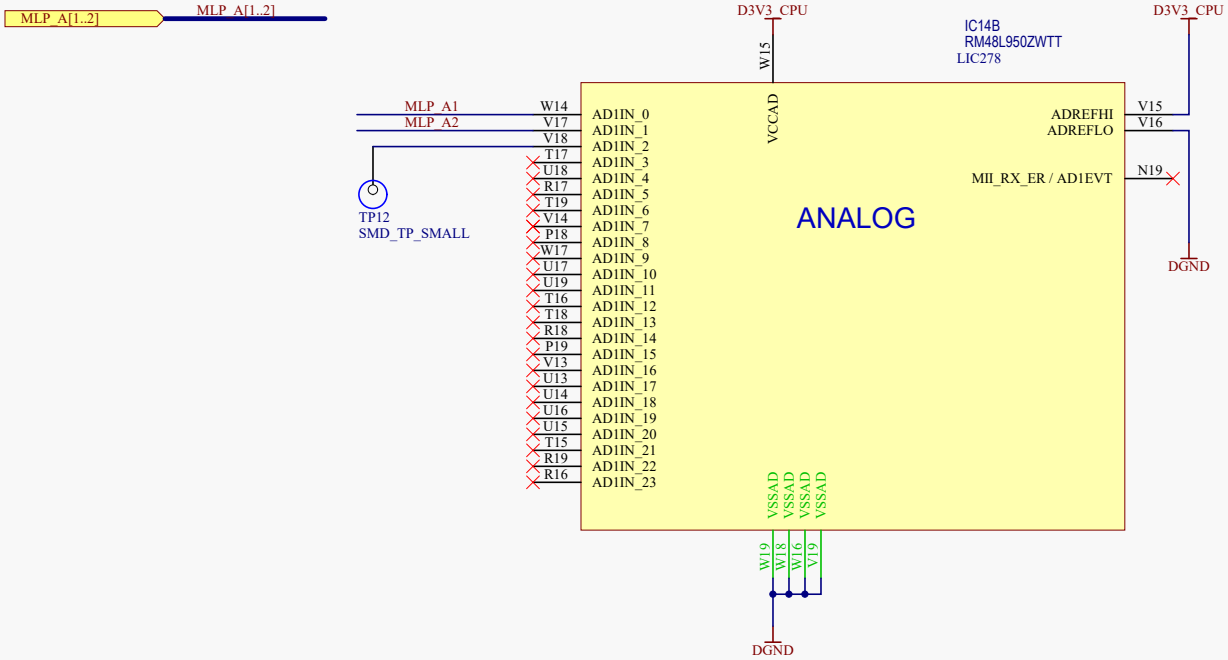
 http://rloop.org	PCB COMPONENT DESCRIPTION		LDL NUMBER
	Flight Control Unit		LPCB235
	Assembly Details		
	FCU PCB CAN Interface		
Size	Drawing File Name		Revision
A3	LPCB235 - CAN Interface.SchDoc		2
Scale			Sheet Details
N.T.S			Sheet: 22 Of: 37




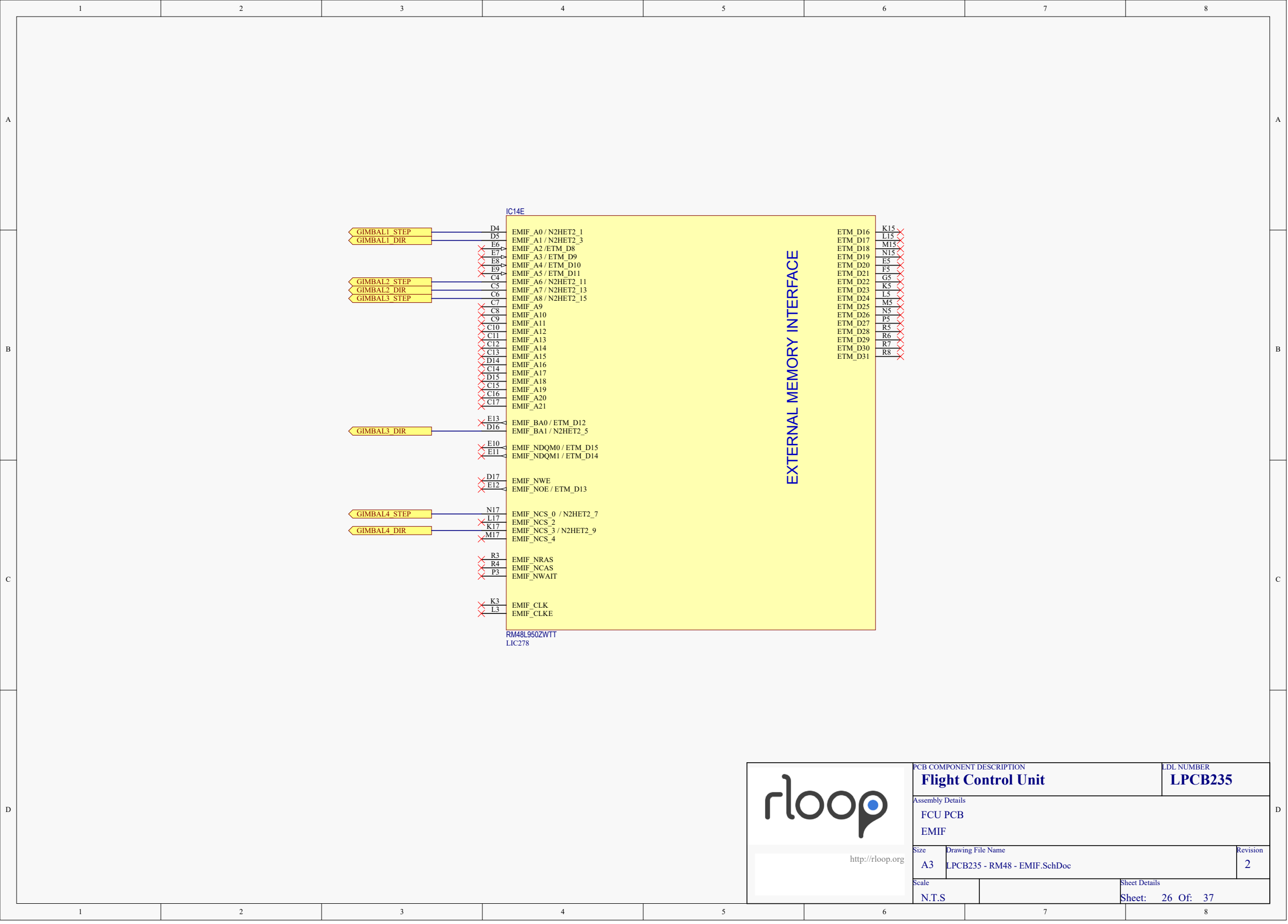
<http://rloop.org>


PCB COMPONENT DESCRIPTION			LDL NUMBER
Flight Control Unit			LPCB235
Assembly Details			
FCU PCB			
Magnetics			
Size	Drawing File Name		Revision
A3	LPCB235 - MAGNETICS.SchDoc		2
Scale			Sheet Details
N.T.S			Sheet: 23 Of: 37





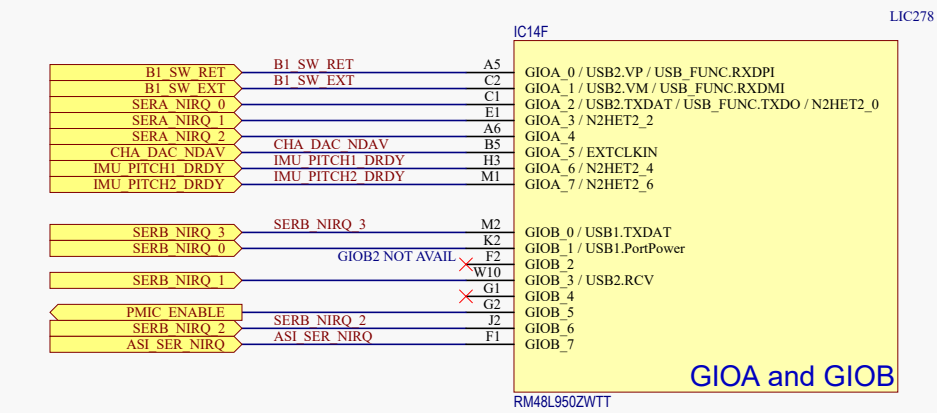
 http://rloop.org	PCB COMPONENT DESCRIPTION		LDL NUMBER
	Flight Control Unit		LPCB235
	Assembly Details		
	FCU PCB		
	Analog		
Size	Drawing File Name		Revision
A3	LPCB235 - RM48 - ANALOG.SchDoc		2
Scale			Sheet Details
N.T.S			Sheet: 25 Of: 37




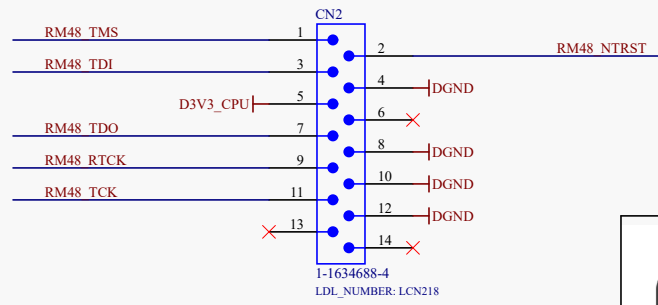
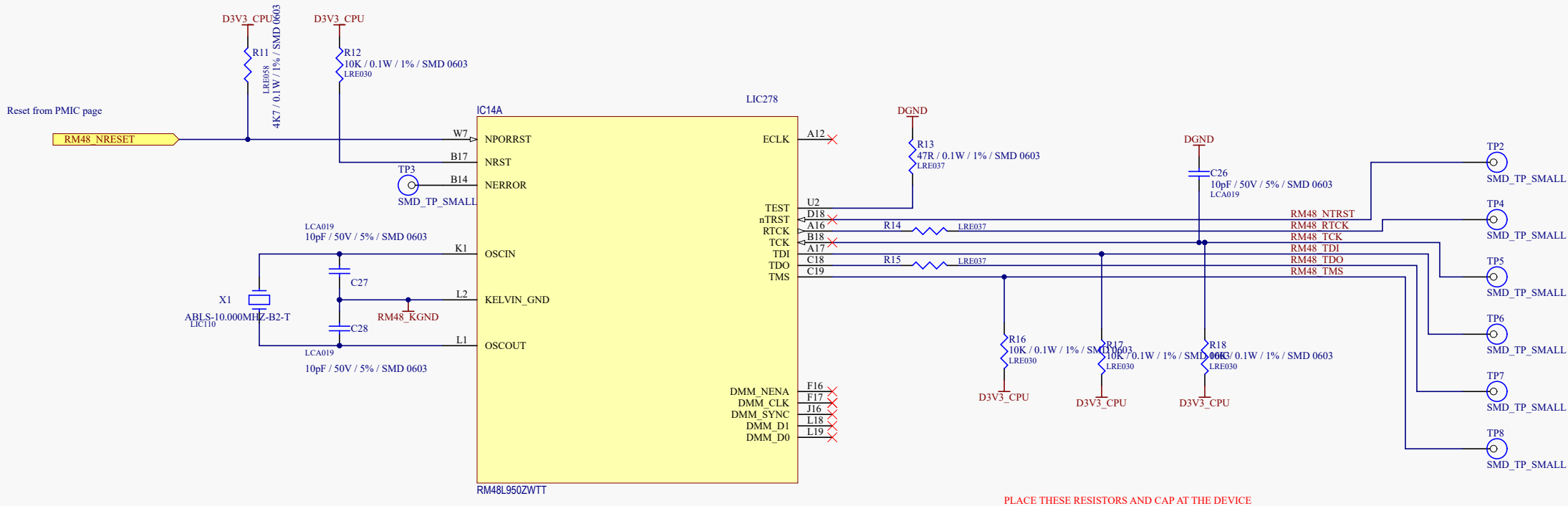


<http://rloop.org>


PCB COMPONENT DESCRIPTION		LDL NUMBER
Flight Control Unit		LPCB235
Assembly Details		
FCU PCB		
EMIF		
Size	Drawing File Name	Revision
A3	LPCB235 - RM48 - EMIF.SchDoc	2
Scale	Sheet Details	
N.T.S	Sheet: 26 Of: 37	



 http://rloop.org	PCB COMPONENT DESCRIPTION		LDL NUMBER
	Flight Control Unit		LPCB235
	Assembly Details		
	FCU PCB		
	GPIO		
Size	Drawing File Name		Revision
A3	LPCB235 - RM48 - GIO.SchDoc		2
Scale			Sheet Details
N.T.S			Sheet: 27 Of: 37

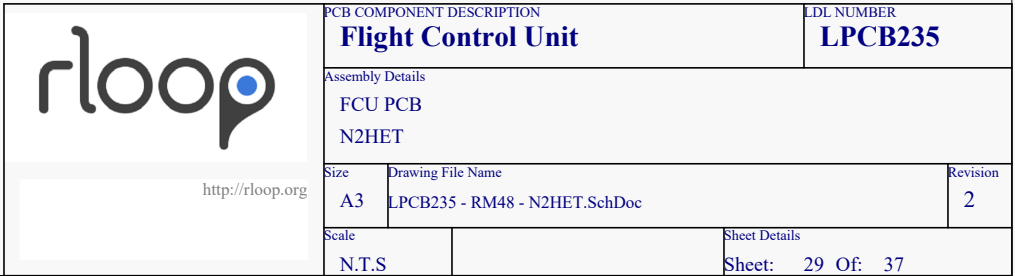


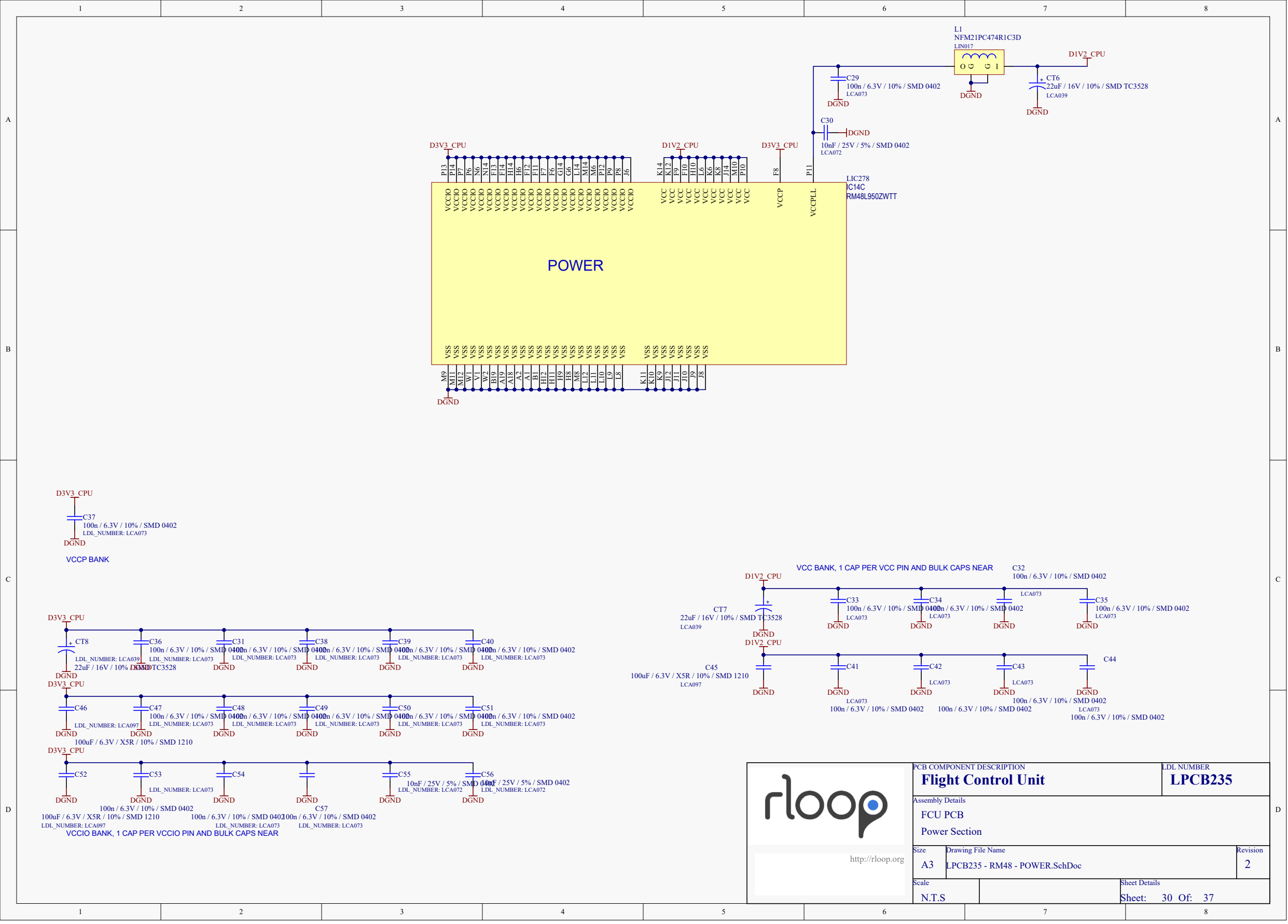
NOTE: PIN 1 FACING OUT OF PCB
NOTE, REMOVE PIN 6

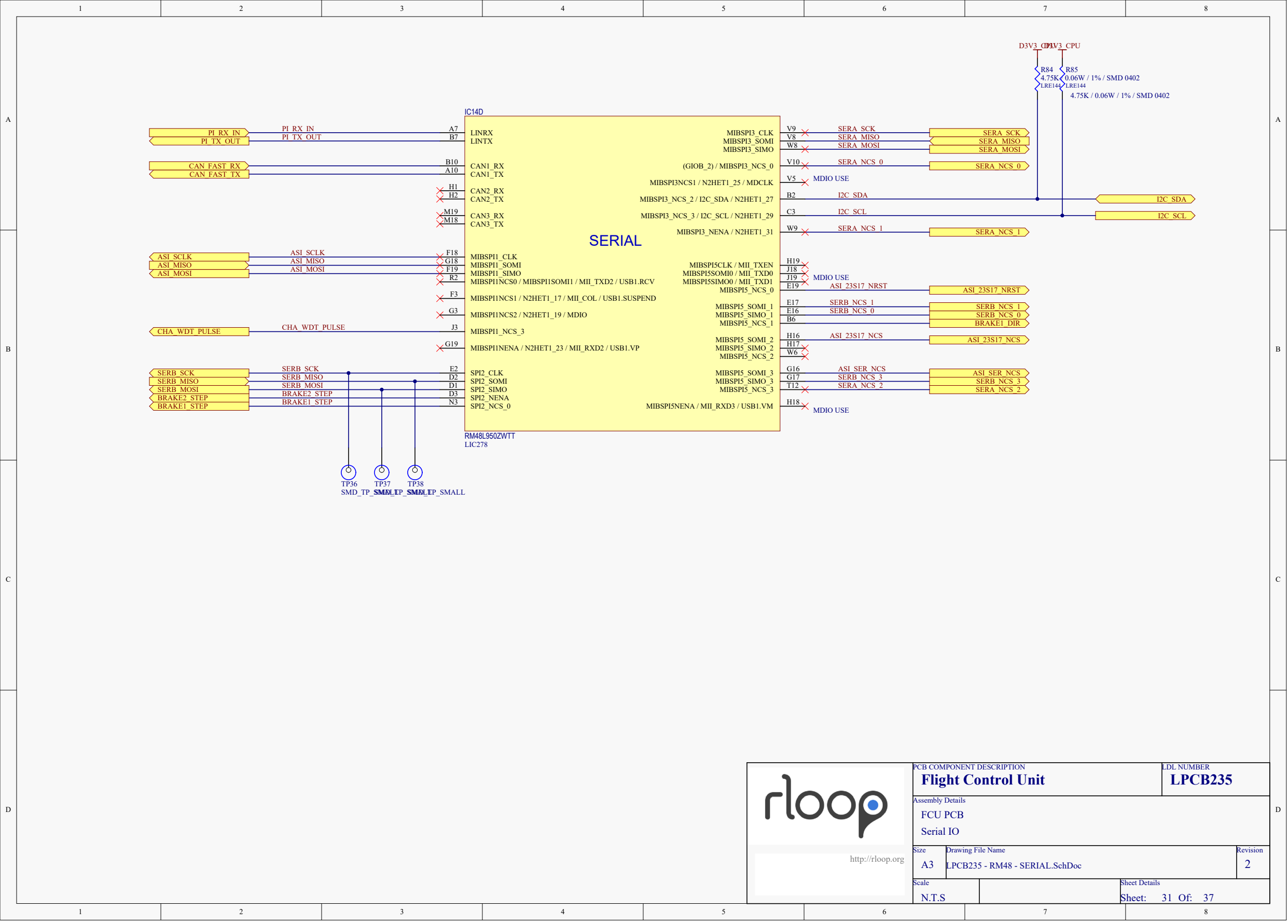


http://rloop.org

PCB COMPONENT DESCRIPTION		LDL NUMBER
Flight Control Unit		LPCB235
Assembly Details		
FCU PCB		
Main		
Size	Drawing File Name	Revision
A3	LPCB235 - RM48 - MAIN.SchDoc	2
Scale	Sheet Details	
N.T.S	Sheet: 28 Of: 37	

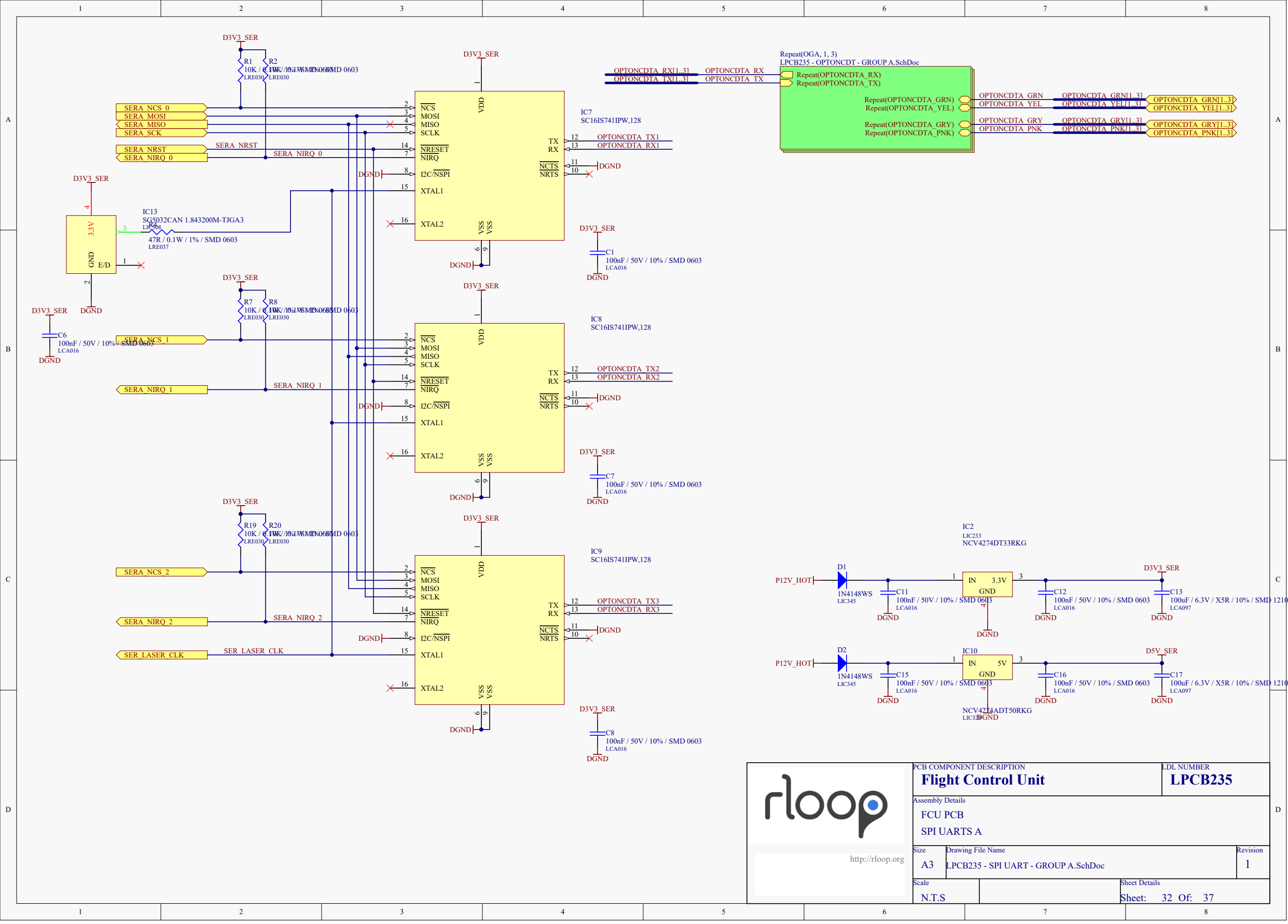


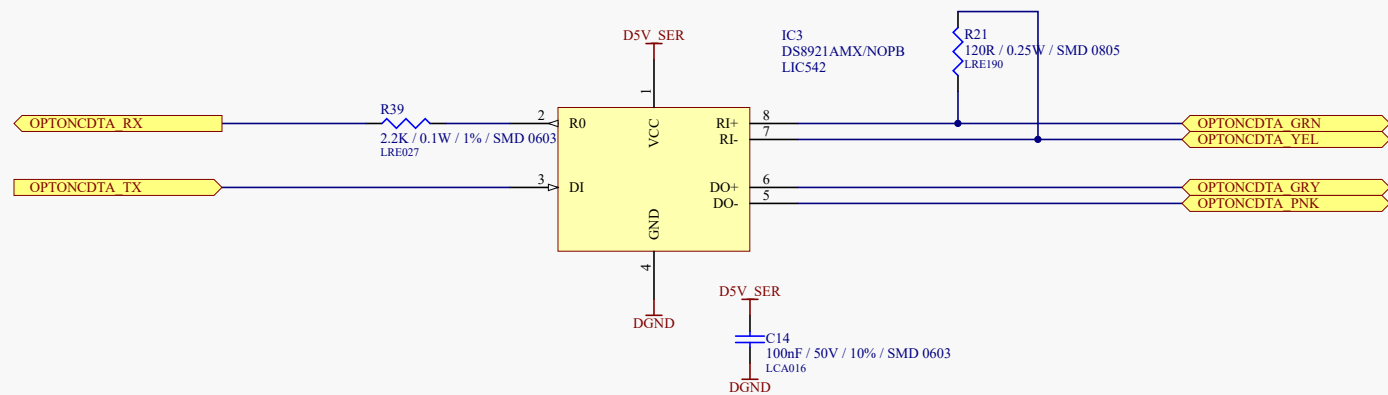




<http://rloop.org>

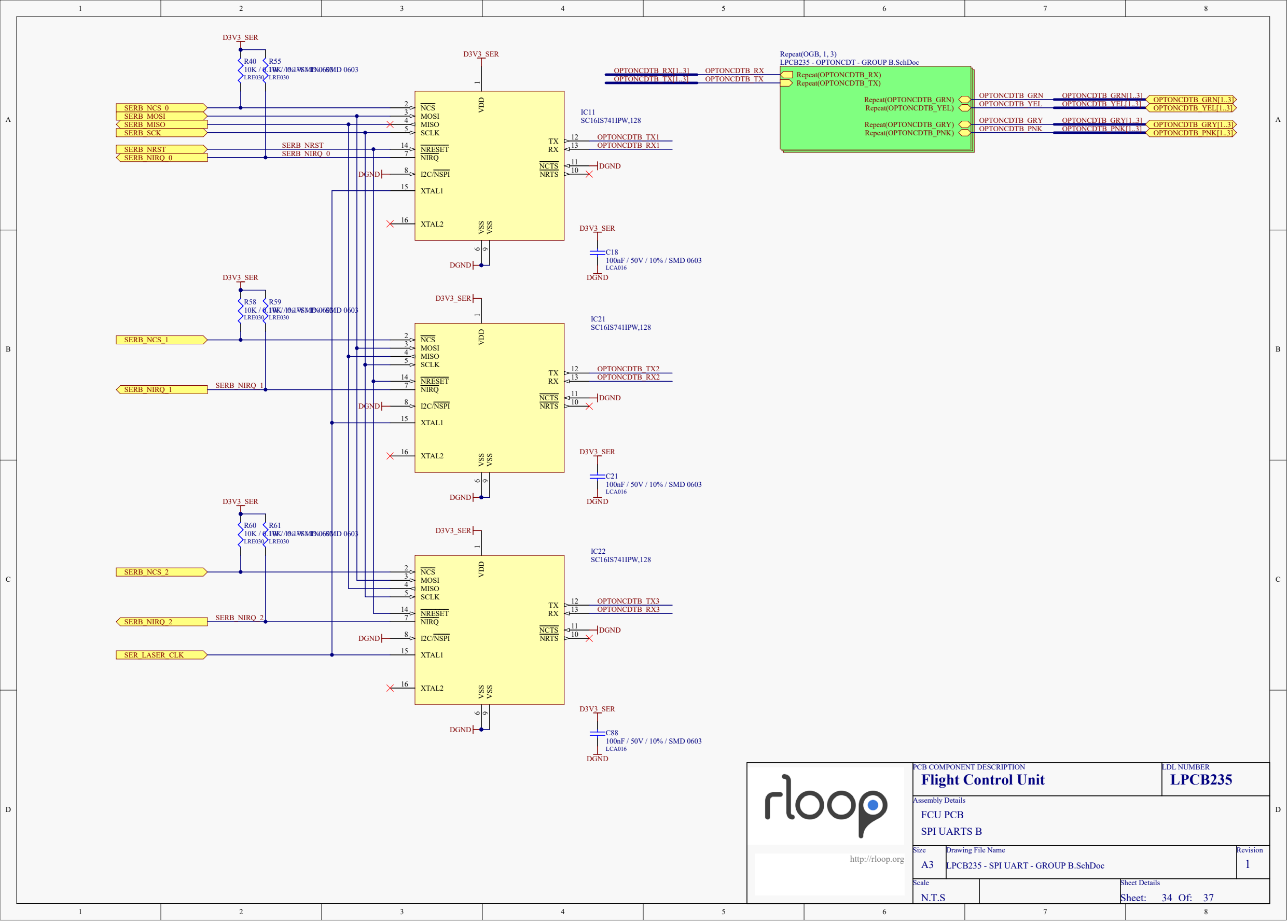
PCB COMPONENT DESCRIPTION		LDL NUMBER
Flight Control Unit		LPCB235
Assembly Details		
FCU PCB		
Serial IO		
Size	Drawing File Name	Revision
A3	LPCB235 - RM48 - SERIAL.SchDoc	2
Scale	Sheet Details	
N.T.S	Sheet: 31 Of: 37	

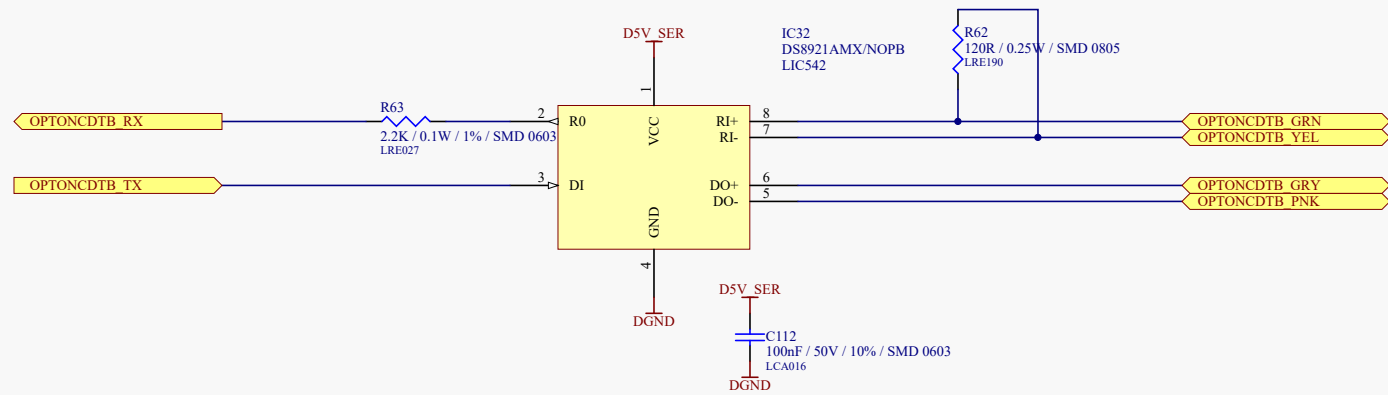




<http://rloop.org>

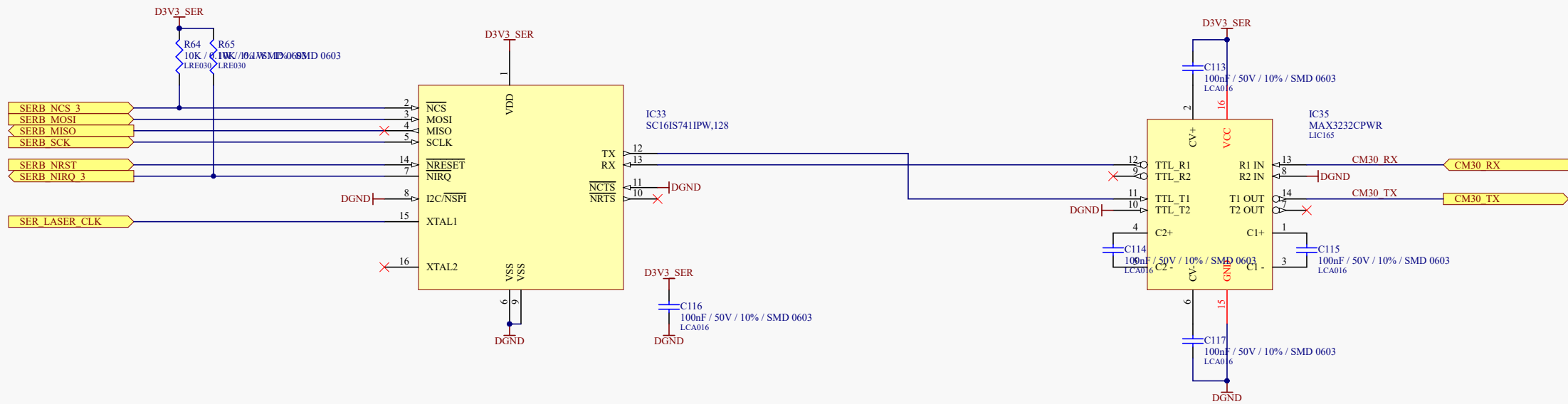
PCB COMPONENT DESCRIPTION		LDL NUMBER
Flight Control Unit		LPCB235
Assembly Details		
FCU PCB		
OptoNCDT Group A		
Size	Drawing File Name	Revision
A3	LPCB235 - OPTONCDT - GROUP A.SchDoc	1
Scale	Sheet Details	
N.T.S	Sheet: 33 Of: 37	





<http://rloop.org>

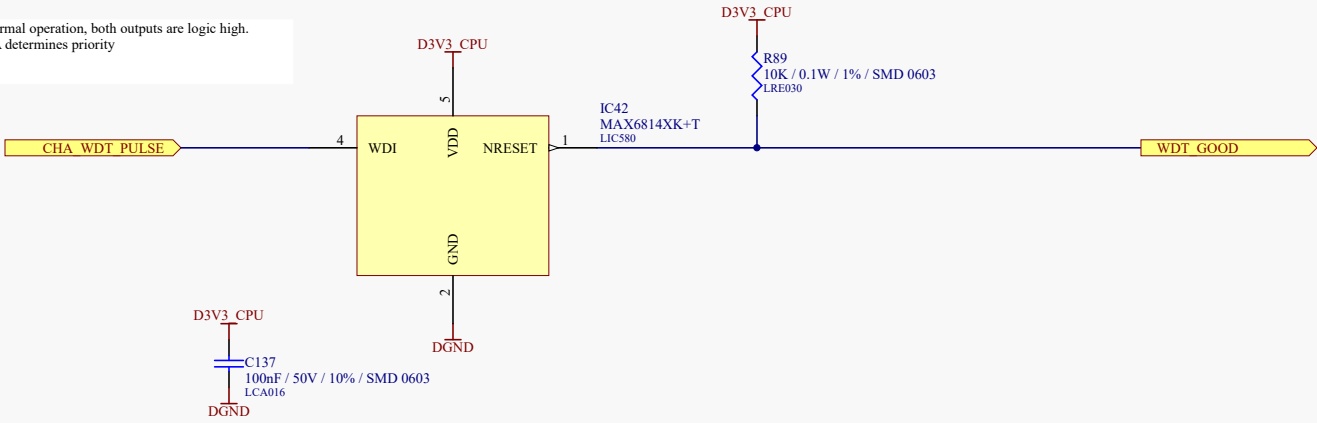
PCB COMPONENT DESCRIPTION		LDL NUMBER
Flight Control Unit		LPCB235
Assembly Details		
FCU PCB		
OptoNCDT Group B		
Size	Drawing File Name	Revision
A3	LPCB235 - OPTONCDT - GROUP B.SchDoc	1
Scale	Sheet Details	
N.T.S	Sheet: 35 Of: 37	




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PCB COMPONENT DESCRIPTION			LDL NUMBER
Flight Control Unit			LPCB235
Assembly Details			
FCU PCB			
SPI UARTS B1			
Size	Drawing File Name		Revision
A3	LPCB235 - SPI UART - GROUP B1.SchDoc		1
Scale			Sheet Details
N.T.S			Sheet: 36 Of: 37

During normal operation, both outputs are logic high.
Channel A determines priority



 http://rloop.org	PCB COMPONENT DESCRIPTION		LDL NUMBER
	Flight Control Unit		LPCB235
	Assembly Details		
	FCU PCB		
	Watchdog		
Size	Drawing File Name		Revision
A3	LPCB235 - WATCHDOG.SchDoc		1
Scale		Sheet Details	
N.T.S		Sheet: 37 Of: 37	