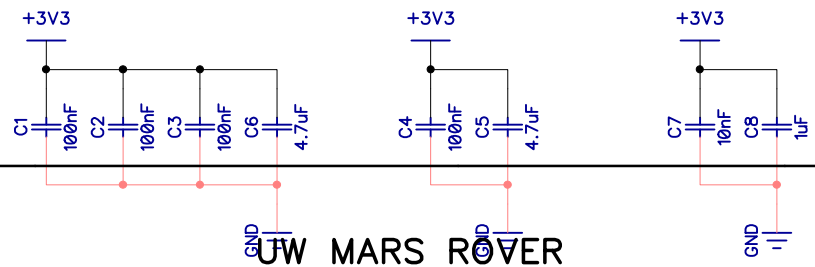


MCU PIN CAPS

3xVDD pin caps

VDDIO2 pin caps

VDDA pin caps



Title

UW MARS ROVER

Size

Number

Rev

A 1:1

MCU SAFETY BOARD

0.1

Date

1/20/2018

Drawn by

CJV

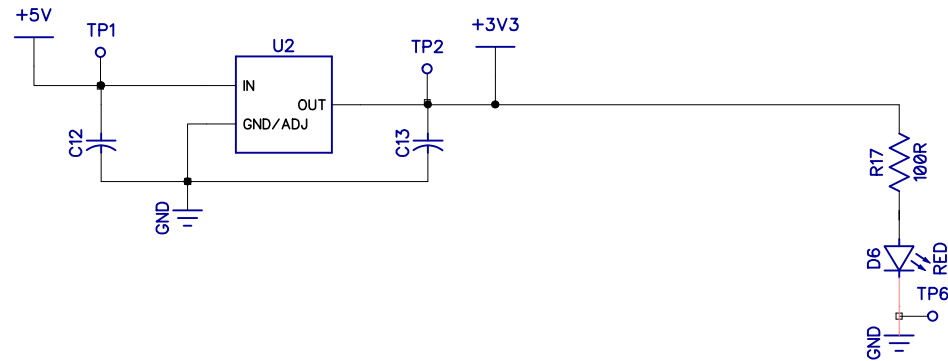
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SAFETY_BOARD.dch

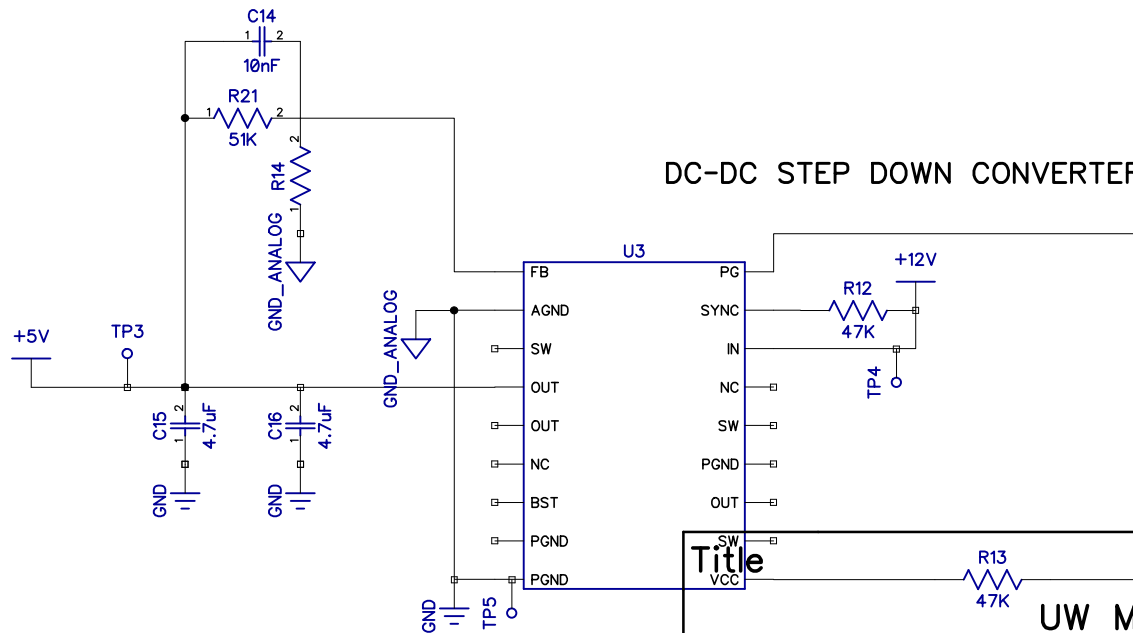
Sheet

1 OF 5

3V3 LDO (10mm x 10mm COPPER POUR)



DC-DC STEP DOWN CONVERTER



Title

UW MARS ROVER

Size

Number

Rev

A 1:1

POWER SAFETY BOARD

0.1

Date

1/20/2018

Drawn by

CJV

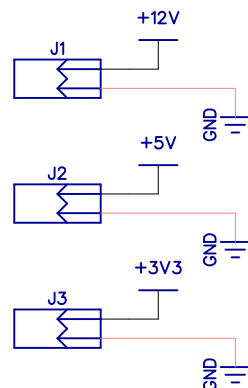
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SAFETY_BOARD.dch

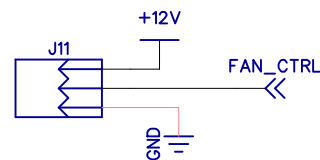
Sheet

2 OF 5

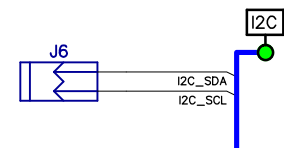
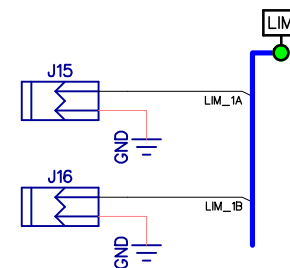
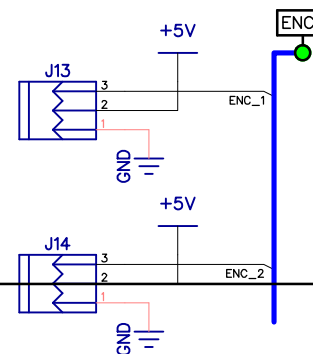
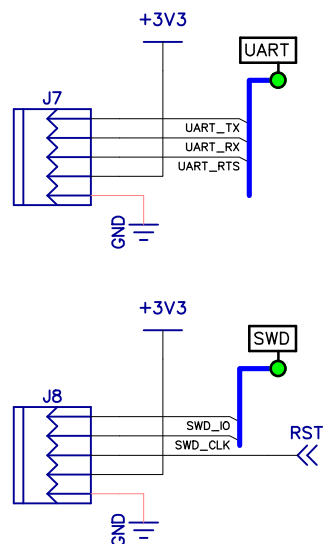
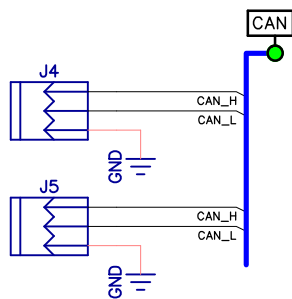
Power Connectors



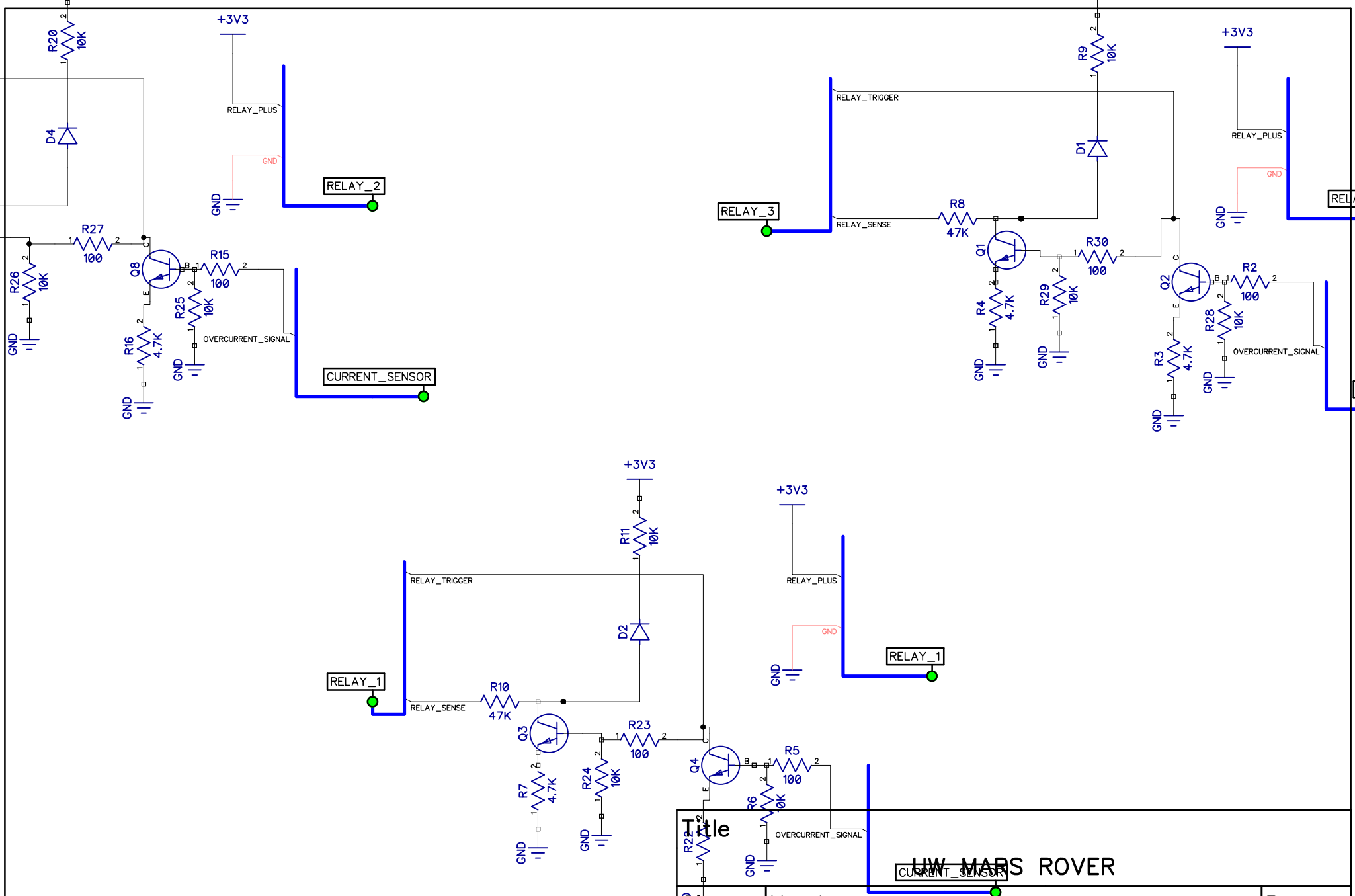
Fan Control



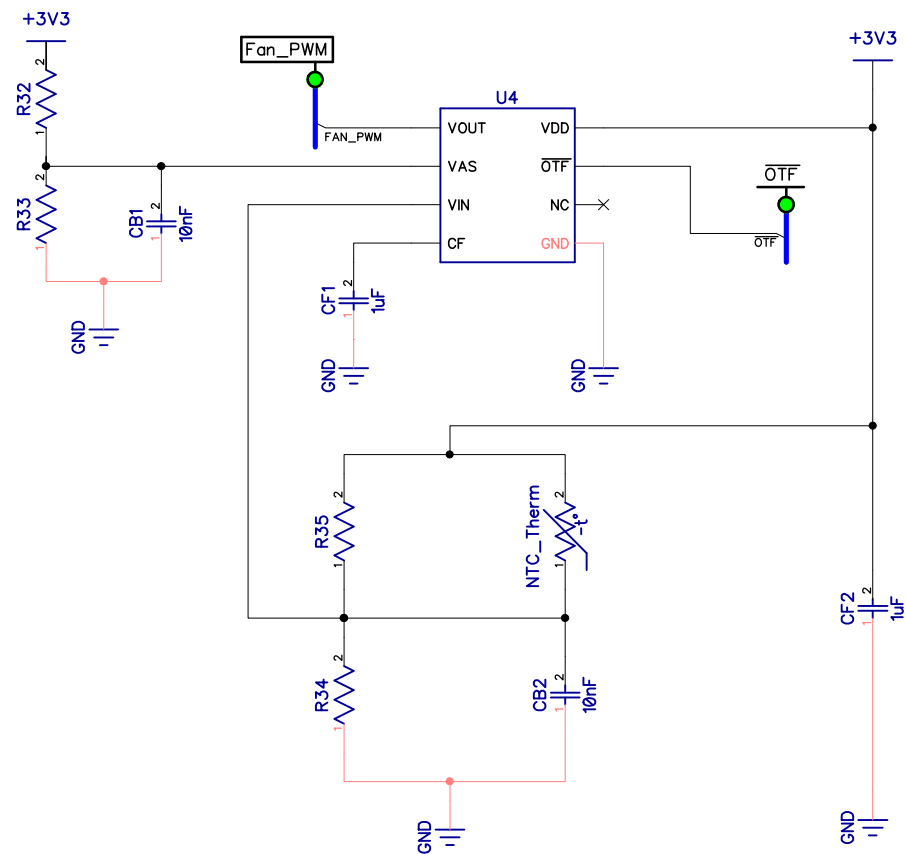
Communications Connectors



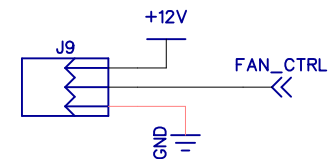
Title		
UW MARS ROVER		
Size	Number	Rev
A 1:1	CONNECTORS SAFETY BOARD	0.1
Date	1/20/2018	Drawn by CJV
Filename	SAFETY_BOARD.dch	Sheet 3 OF 5



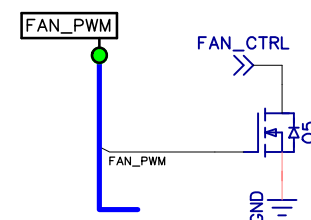
Title			UW MARS ROVER	
Size	Number		Rev	
A 1:1	RELAY_CONTROL SAFETY BOARD			
Date		1/20/2018	Drawn by	CJV
Filename		SAFETY_BOARD.dch	Sheet	4 OF 5



Fan Control



Fan FET



VALUES DETERMINE PWM AND THEREFORE FAN SPEED

Title		
UW MARS ROVER		
Size	Number	Rev
A 1:1	FAN_CONTROL SAFETY BOARD	0.1
Date	1/20/2018	Drawn by CJV
Filename	SAFETY_BOARD.dch	Sheet 5 OF 5