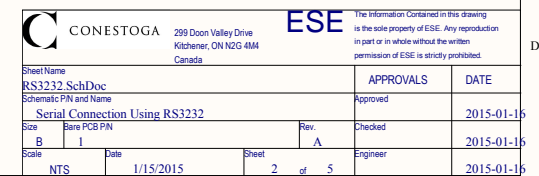
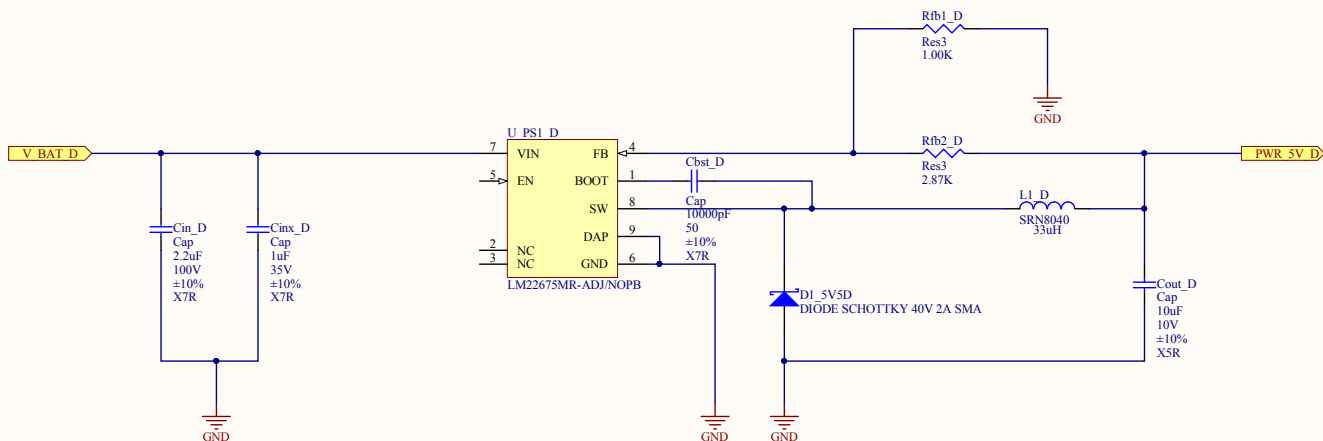
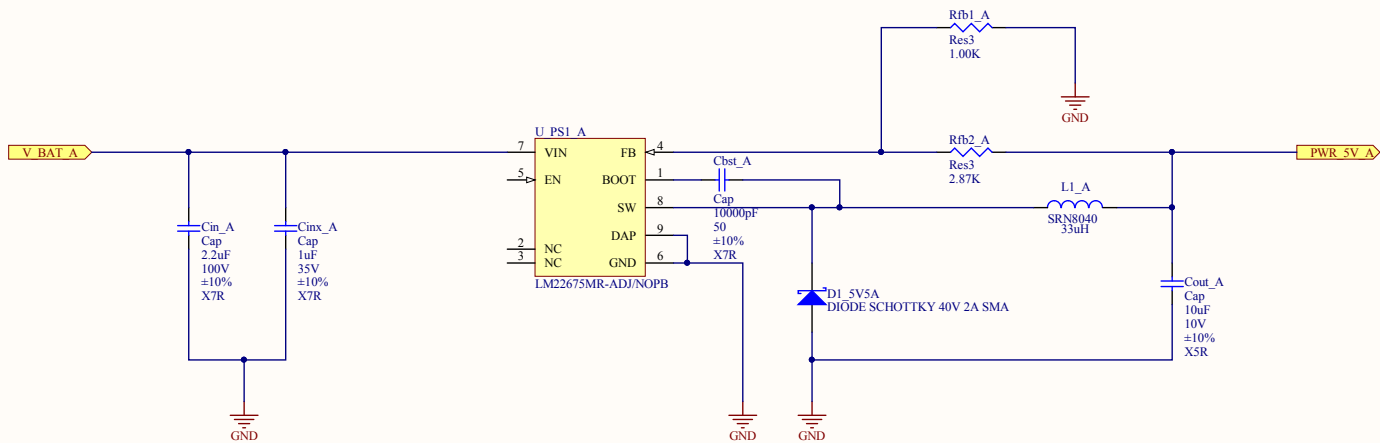




C CONESTOGA 299 Doon Valley Drive Kitchener, ON N2G 4M4 Canada		ESE The Information Contained in this drawing is the sole property of ESE. Any reproduction in part or in whole without the written permission of ESE is strictly prohibited.	
Sheet Name CPU.SchDoc		APPROVALS Approved	
Schematic P/N and Name MC9S12C128 Connection Schematic		DATE 2015-01-28	
Size B	Bare PCB P/N I	Rev. B	Checked 2015-01-28
Scale NTS	Date 1/22/2015	Sheet 1 of 10	Engineer 2015-01-28

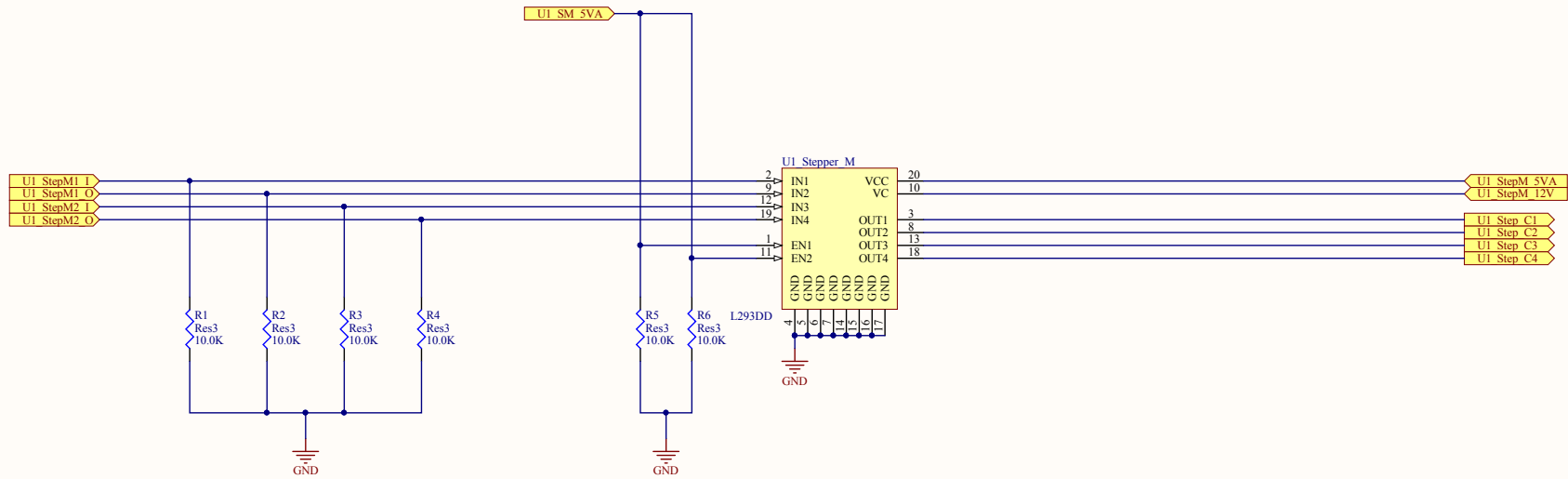




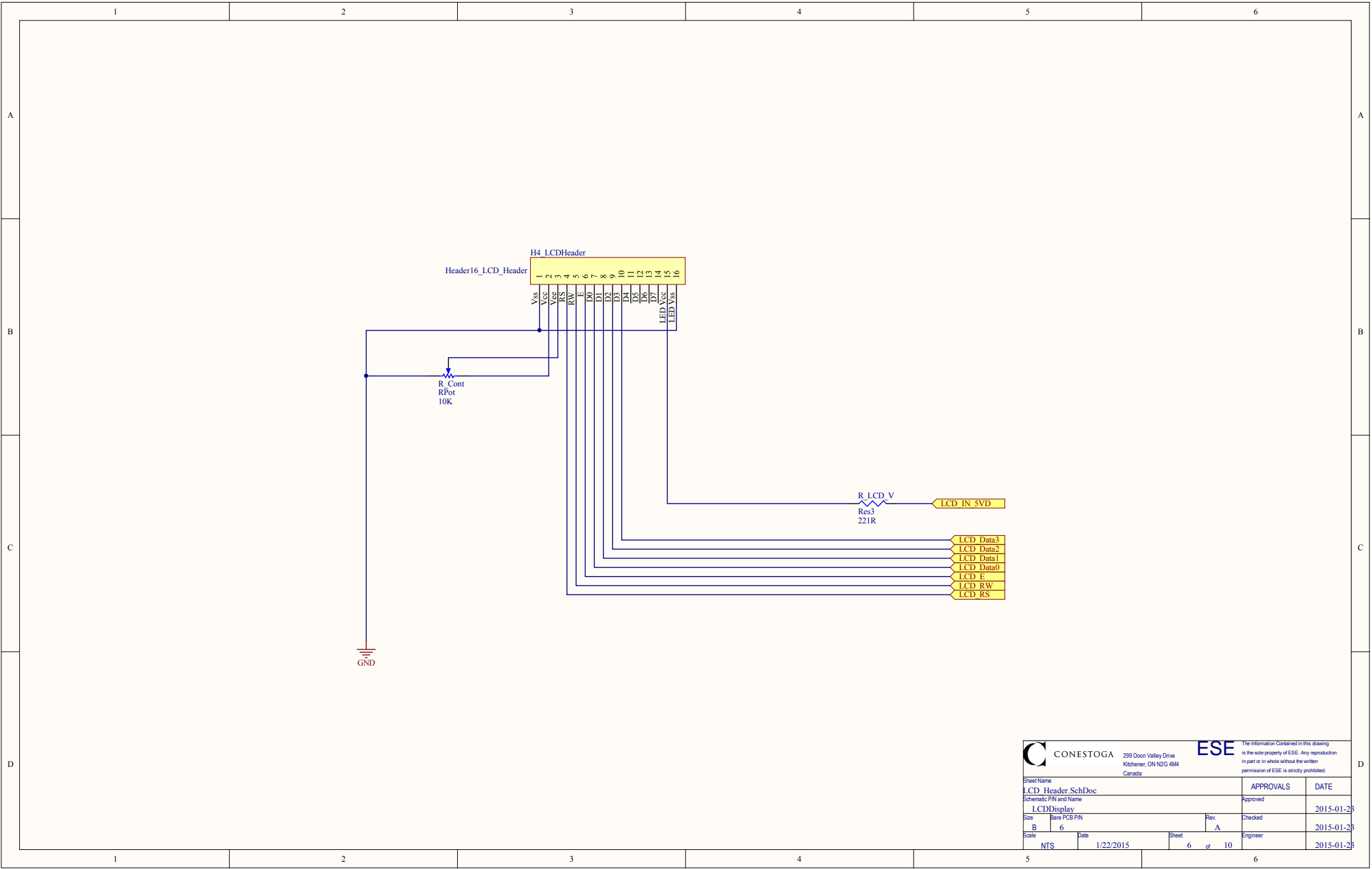
C CONESTOGA 299 Doon Valley Drive Kitchener, ON N2G 4M4 Canada		ESE The Information Contained in this drawing is the sole property of ESE. Any reproduction in part or in whole without the written permission of ESE is strictly prohibited.	
Sheet Name		APPROVALS	
SMPS 5V D.SchDoe		DATE	
Schematic PN and Name		Approved	
SMPS 5V Using LM22675		2015-01-15	
Size		Checked	
Bare PCB PN		2015-01-15	
Rev.		Engineer	
A		2015-01-15	
Scale		Sheet	
NTS		3 of 5	
Date		1/22/2015	





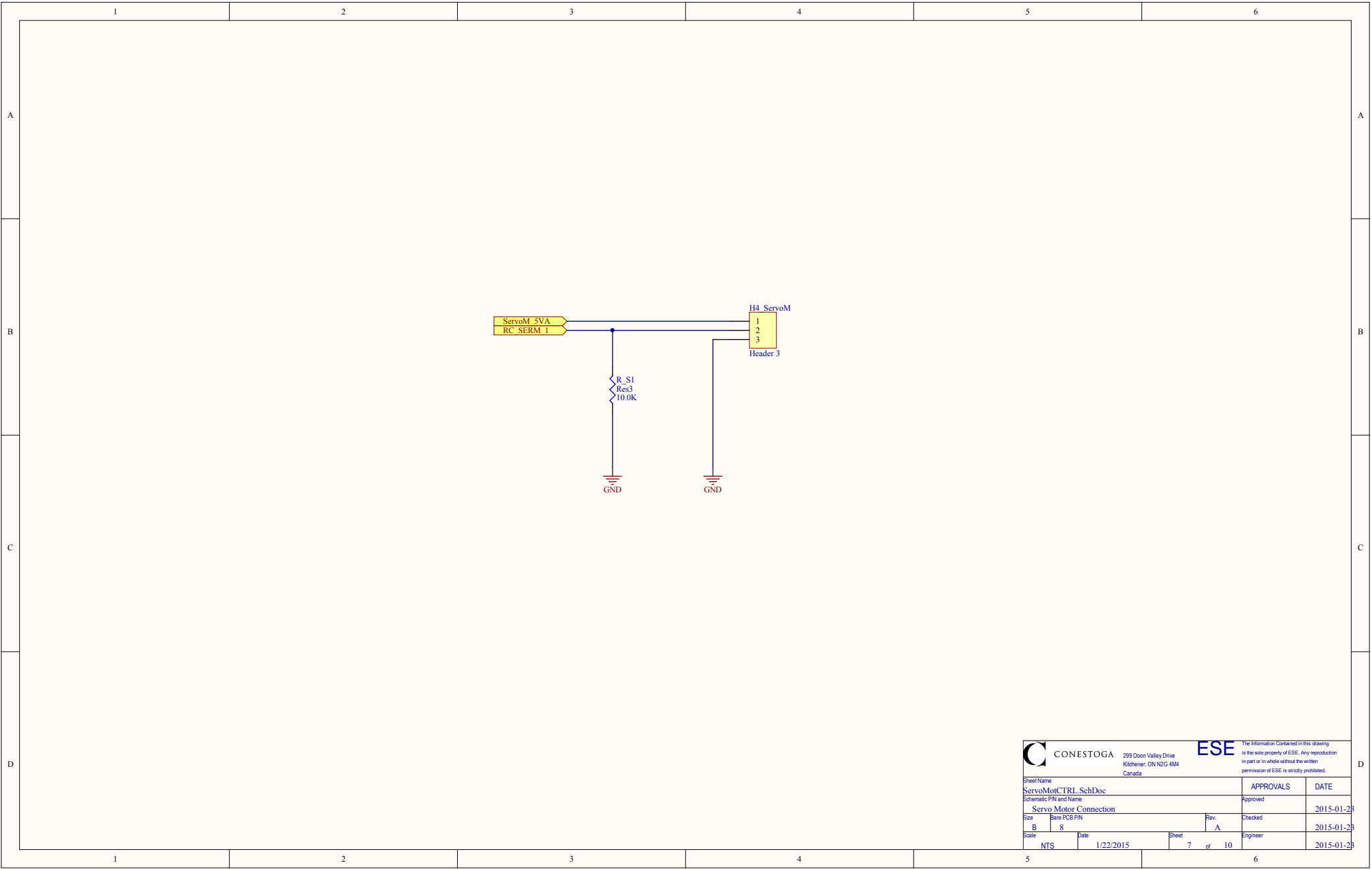
		CONESTOGA		299 Doon Valley Drive Kitchener, ON N2G 4M4 Canada				The Information Contained in this drawing is the sole property of ESE. Any reproduction in part or in whole without the written permission of ESE is strictly prohibited.		D
Sheet Name SMPS 5V A.SchDoe						APPROVALS		DATE		
Schematic P/N and Name SMPS 5V Using LM22675						Approved				
Size B		Bare PCB P/N 1		Rev. A		Checked		2015-01-15		
Scale NTS		Date 1/22/2015		Sheet 4 of 5		Engineer		2015-01-15		

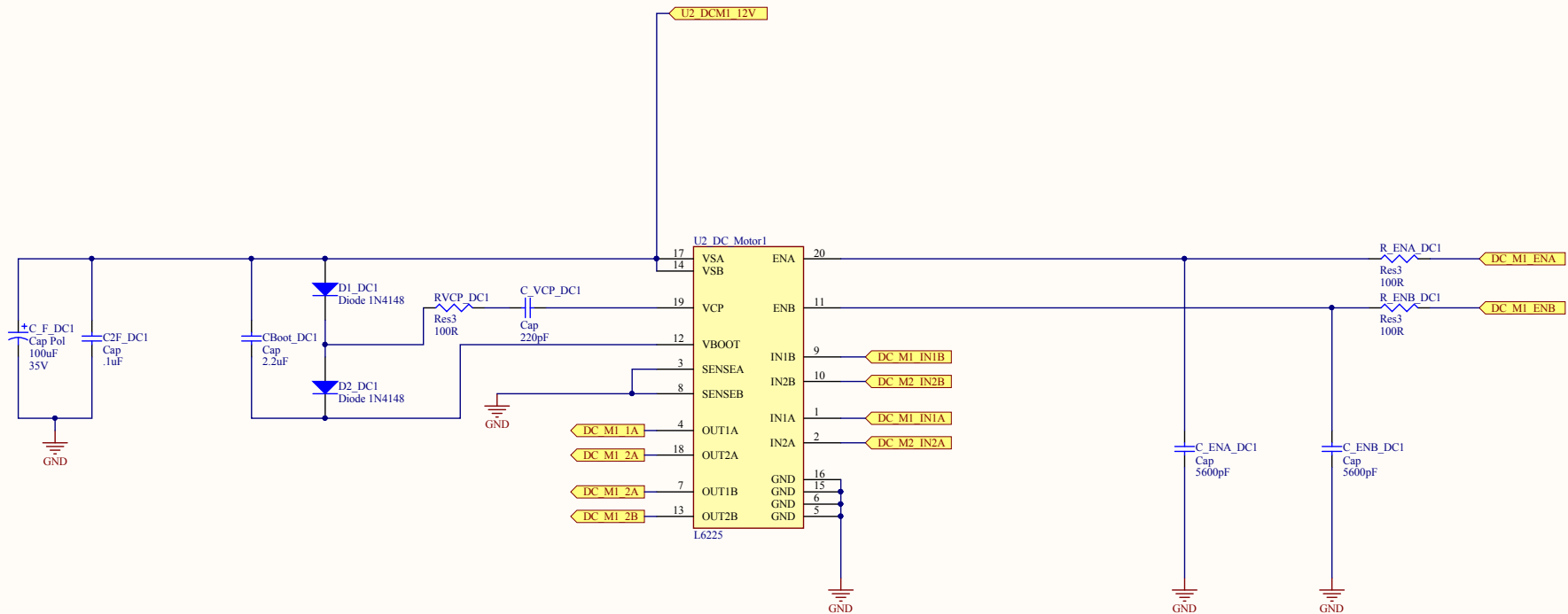


C CONESTOGA 299 Doon Valley Drive Kitchener, ON N2G 4M4 Canada		ESE The Information Contained in this drawing is the sole property of ESE. Any reproduction in part or in whole without the written permission of ESE is strictly prohibited.	
Sheet Name		APPROVALS	
StepperMotor1CTRL.SchDoc		DATE	
Schematic PN and Name		Approved	
Stepper Motor Driver		2015-01-28	
Size	Bare PCB PN	Rev.	Checked
B	5	A	2015-01-28
Scale	NTS	Date	Engineer
		1/22/2015	2015-01-28
Sheet		5 of 10	

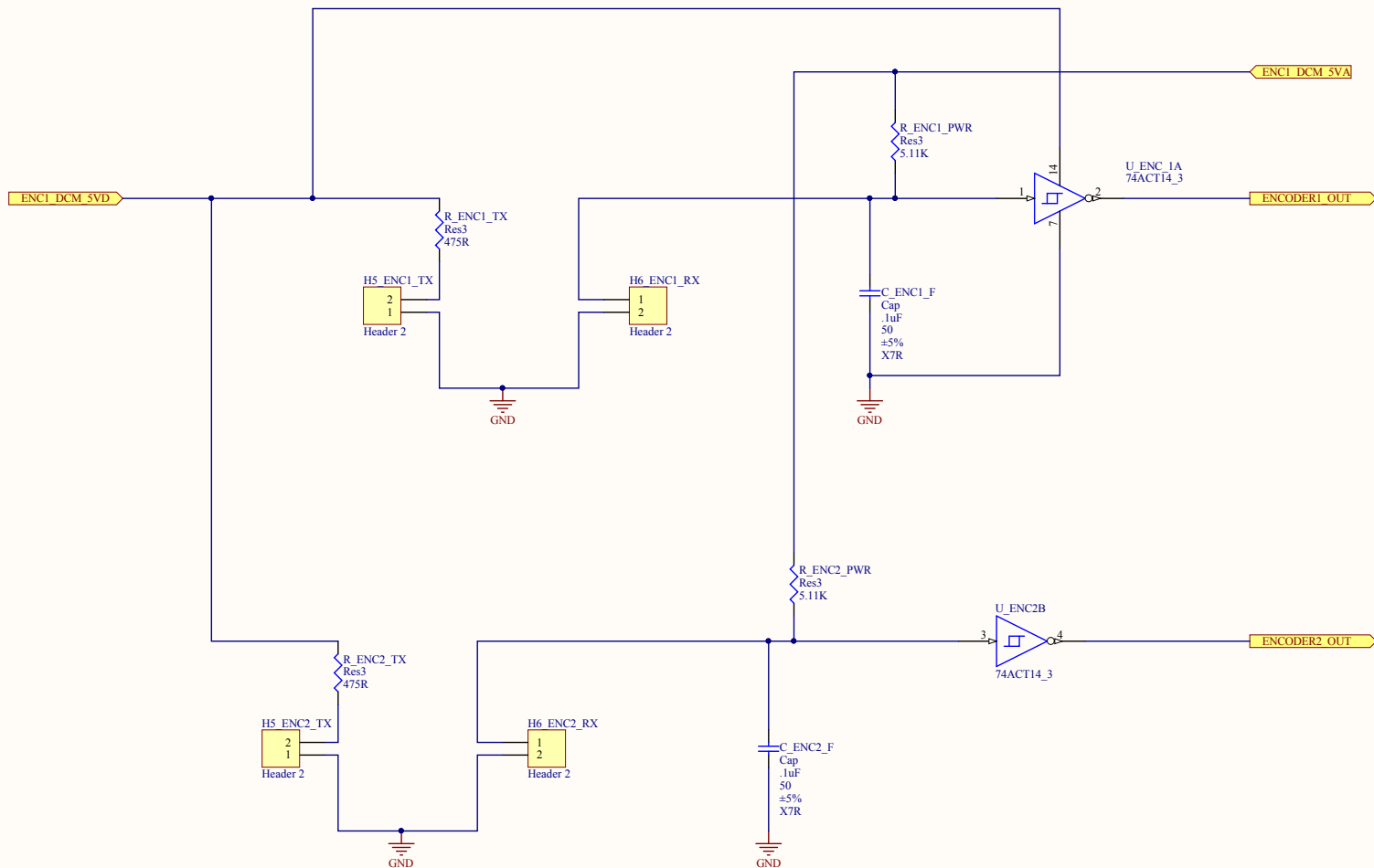




 CONESTOGA		299 Doon Valley Drive Kitchener, ON N2G 4M4 Canada		 ESE		The Information Contained in this drawing is the sole property of ESE. Any reproduction in part or in whole without the written permission of ESE is strictly prohibited.			
Sheet Name LCD Header.SchDoc				APPROVALS		DATE			
Schematic PN and Name LCDDisplay				Approved		2015-01-28			
Size B				Rev. A		Checked		2015-01-28	
Scale NTS				Date 1/22/2015		Sheet 6 of 10		Engineer 2015-01-28	

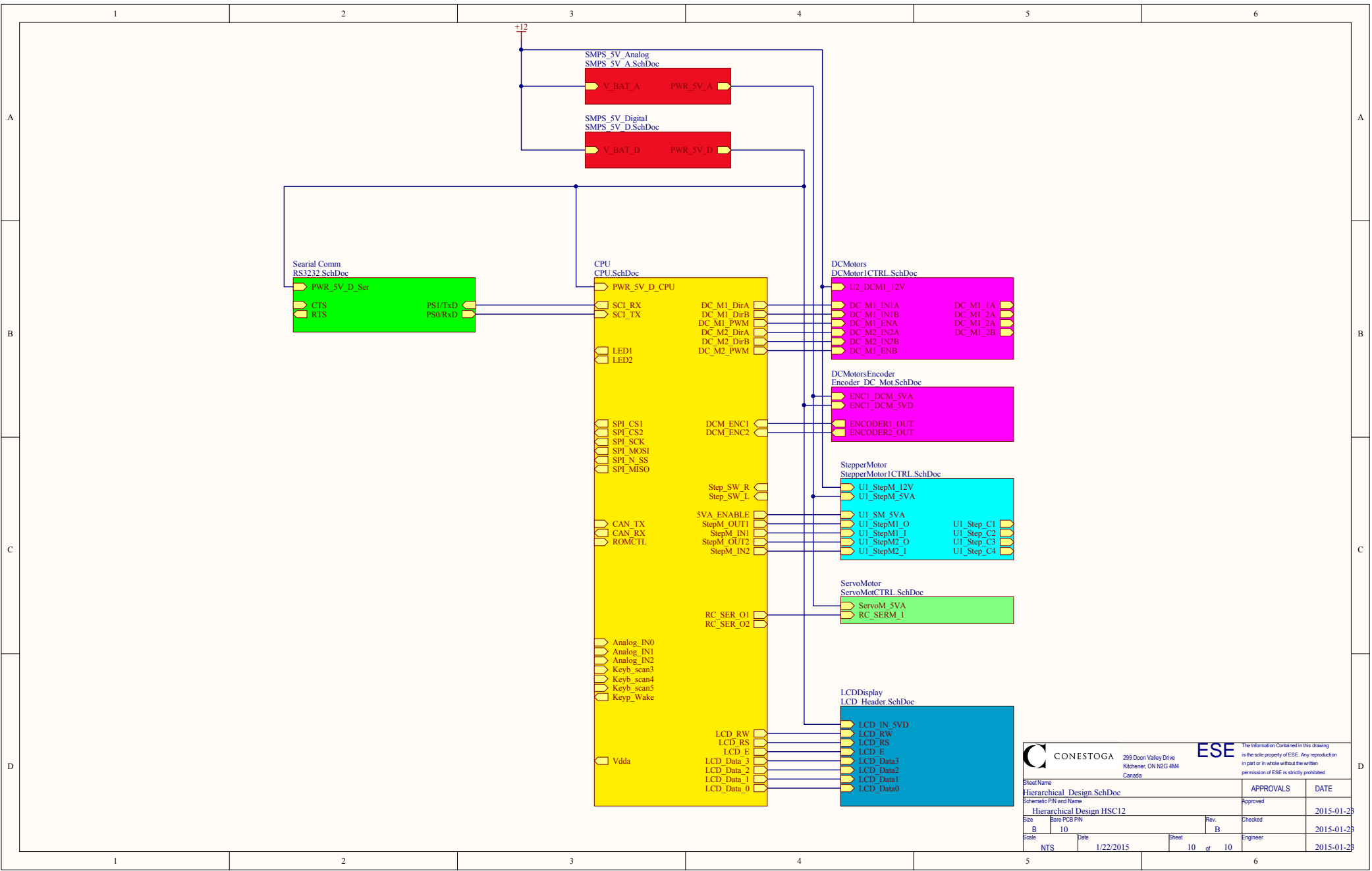






C CONESTOGA 299 Doon Valley Drive Kitchener, ON N2G 4M4 Canada		ESE The Information Contained in this drawing is the sole property of ESE. Any reproduction in part or in whole without the written permission of ESE is strictly prohibited.	
Sheet Name		APPROVALS	
DCMotor1CTRL.SchDoc		Approved	
Schematic P/N and Name		DATE	
DC Motor Driver		2015-01-23	
Size	Bare PCB P/N	Rev.	Checked
B	7	A	2015-01-23
Scale	NTS	Date	Engineer
		1/22/2015	2015-01-23
Sheet		7 of 10	



		CONESTOGA		299 Doon Valley Drive Kitchener, ON N2G 4M4 Canada				The Information Contained in this drawing is the sole property of ESE. Any reproduction in part or in whole without the written permission of ESE is strictly prohibited.	
Sheet Name Encoder DC Mot SchDoc						APPROVALS		DATE	
Schematic P/N and Name DC Motor Speed Encoder						Approved		2015-01-23	
Size	B	Bare PCB P/N		9	Rev.	A	Checked	2015-01-23	
Scale	NTS	Date	1/23/2015		Sheet	9	of	10	Engineer
								2015-01-23	



 CONESTOGA		299 Doon Valley Drive Kitchener, ON N2G 4M4 Canada				The Information Contained in this drawing is the sole property of ESE. Any reproduction in part or in whole without the written permission of ESE is strictly prohibited.	
Sheet Name Hierarchical Design.SchDoc				APPROVALS		DATE	
Schematic PIN and Name Hierarchical Design HSC12				Approved		2015-01-28	
Size B	Bare PCB PIN			Rev. B	Checked	2015-01-28	
Scale NTS	Date 1/22/2015	Sheet 10	of 10	Engineer	2015-01-28		

[illegible]