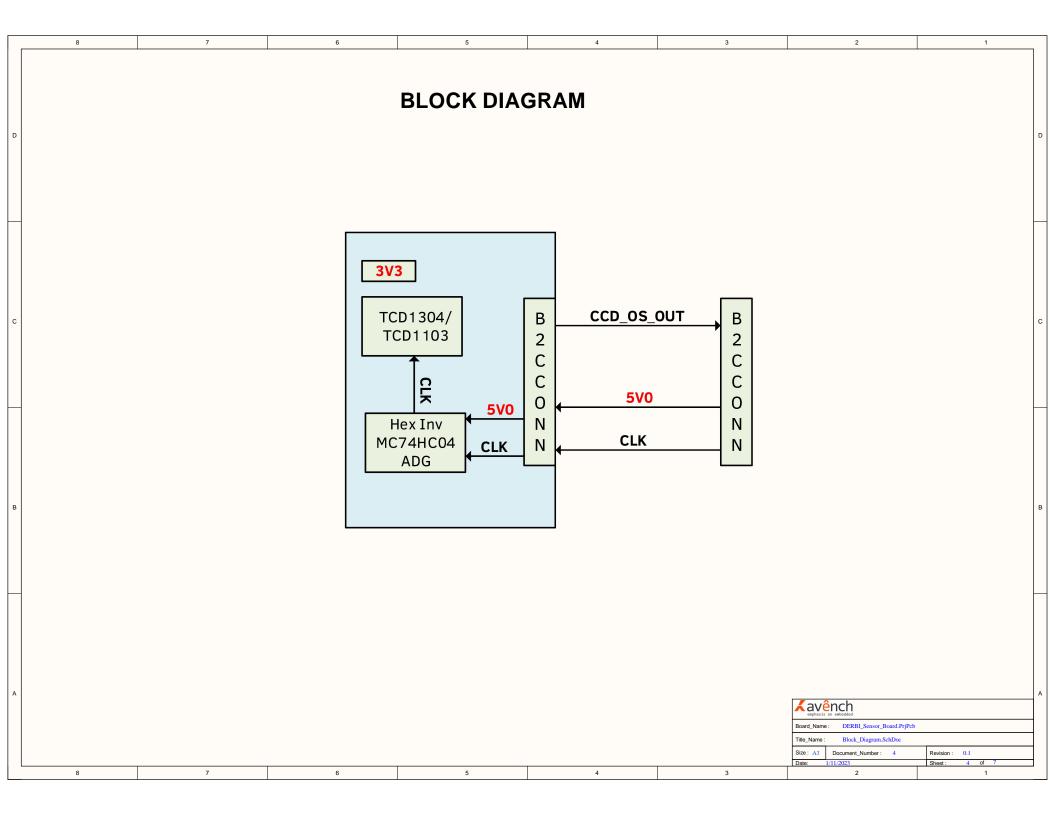
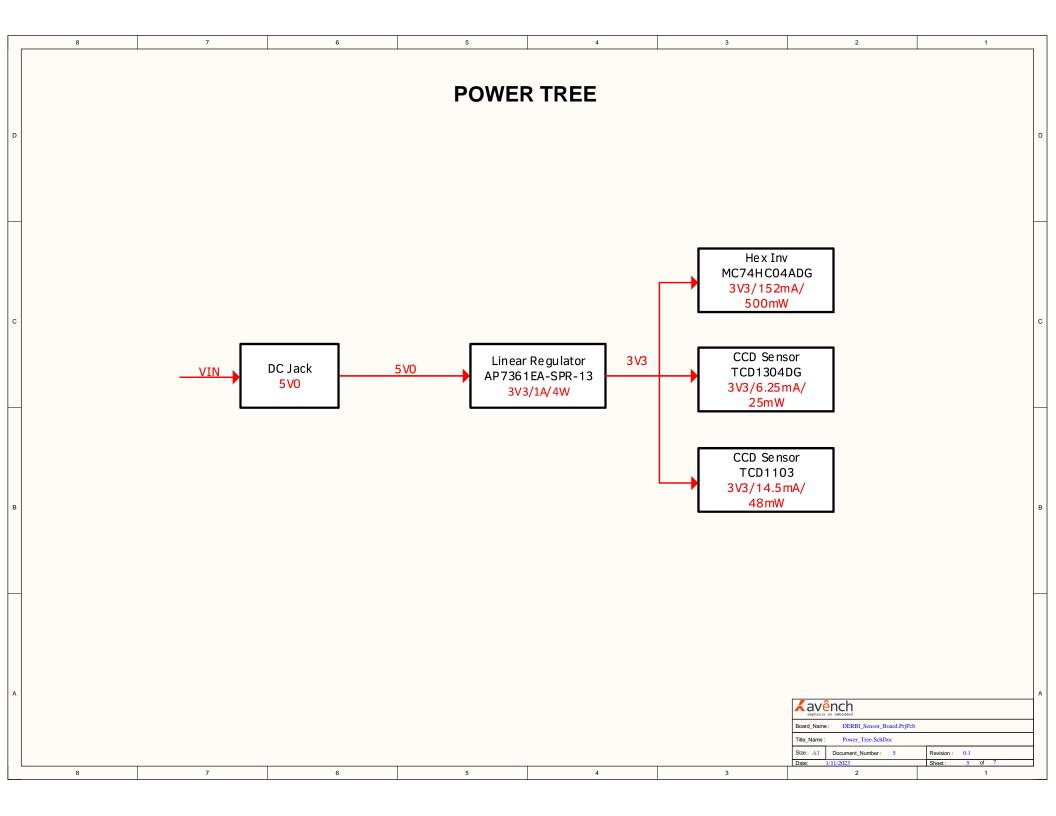
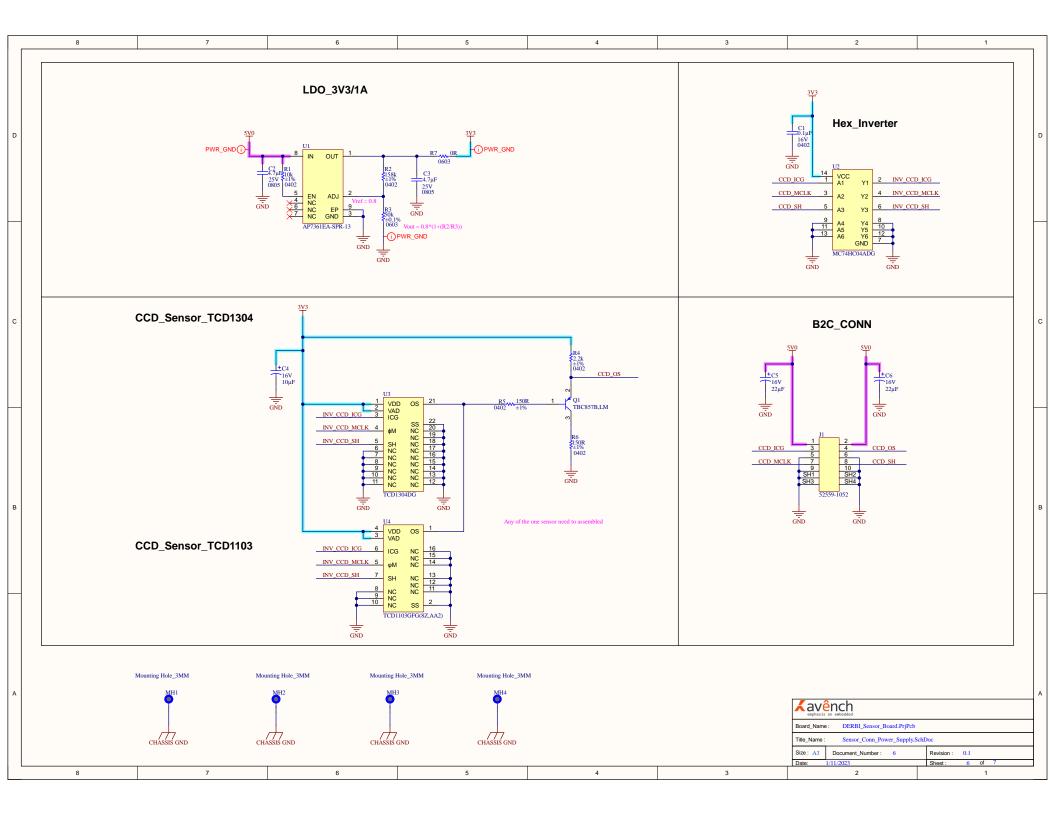
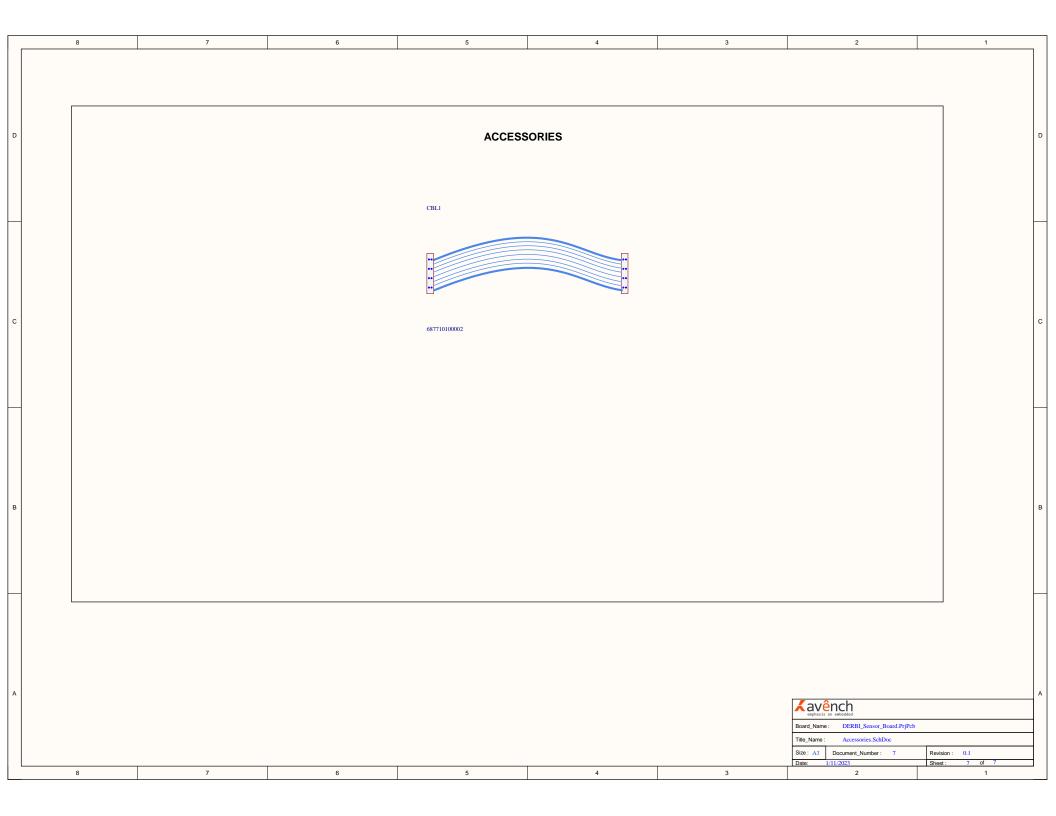


Revision History Rev. Code Date Ву Description 0.1 25-10-2022 Keerthi Draft Version Initial Version 0.2 29-11-2022 Keerthi 1.0 24-12-2022 Keerthi Initial Release **K**avênch Board_Name: DERBI_Sensor_Board.PrjPcb Revision_History.SchDoc Size: A3 Document_Number: 3 Revision: 0.1 Sheet:









Line #	Name	Description	Designator	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
		0.1 μF ±10%									
	Can O 1F	16V Ceramic Capacitor X5R	C1	1					1		
		0402 (1005	CI								
		Metric)									
	CAP_CER	4.7 μF ±10% 25V Ceramic									
	_4.7UF_2	Capacitor X5R	C2, C3	2							
	5V_X5R_0 805	0805 (2012									
		Metric) 10 μF Molded									
		Tantalum									
	Can O 1uF	Capacitors 16 V 0805 (2012	C4	1							
	oup o. rui	V 0805 (2012 Metric) 40hm									
		@ 100kHz									
		22 μF Molded									
		Tantalum Capacitors 16									
	Cap 0.1uF	Capacitors 16 V 1206 (3216	C5, C6	2							
		Metric) 30hm									
		@ 100kHz 10 Position									
	CABLE_FF	FFC, FPC Cable									
	C_10POS	0.020"	CBL1	1							
	_0.50MM _3.94"	(0.50mm) 3.940"									
		(100.08mm)									
		10 Position									
	CONN_FF	FFC, FPC									
	C_VERT_	Connector Contacts,									
	10POS_0.		J1	1							
	MD	Vertical - 1 Sided 0.020"	1						1		
		(0.50mm) Surface Mount							1		
			 	 		 			 	 	1
	Mounting Hole_3M	1	MH1, MH2, MH3, MH4	4					1		
	M Hole_sivi	1	viii i, mii iz, MTO, MT4	1 "					1		
		Bipolar (BJT) Transistor PNP	1						1		
	TRANS_P	Bipolar (BJT) Transistor PNP 50 V 150 mA 80MHz 320	1						1	1	1
		80MHz 320	Q1	1					1	1	1
		mW Surface Mount SOT-23									
		3	1						1		
		10 kOhms ±1%									
		0.1W, 1/10W									
	DES 10V	Chip Resistor 0402 (1005									
	OHM_1%	Metric)	D1								
	1/10W	Automotive	R1								
	0402	AEC-Q200, Moisture									
		Resistant Thick									
		Film									
		158 kOhms ±1% 0.1W,									
	RES_SMD _158K_O	1/10W Chip									
	HM 1%	Resistor 0402	R2	1							
	1/10W_0	(1005 Metric) Automotive									
	402	AEC-Q200									
		Thick Film 50 kOhms									
	RES_50K_	±0.1% 0.1W,									
	OHM_0.1	1/10W Chip	R3	1							
	_0603	Resistor 0603 (1608 Metric)									
		Thin Film									
		2.2 kOhms									
	RES_SMD	±1% 0.1W, 1/10W Chip Resistor 0402									
	M_1%_1/	Resistor 0402	R4	1							
	10W_040	(1005 Metric) Automotive	1	1					1		
	2	AEC-Q200	1						1		
		Thick Film		 							1
	pec	150 Ohms ±1% 0.1W, 1/10W Chip Resistor	1						1	1	1
	MES_SMD	Chip Resistor	1						1		
	M_1%_1/		R5, R6	2					1		
	M_1%_1/ 10W_040	Automotive	1						1		
	ŕ	AEC-Q200	1						1		
		Thick Film 0 Ohms									
		Jumper 0.1W,	1						1		
	RES_O_O	1/10W Chip Resistor 0603	1						1	1	1
	PER 1/10	(1608 Metric)	R7	1					1		
1		Moirturo	1	1					1		
1	W_0603						ı		1	ı	
	W_0603	Resistant Thick									
	W_0603	Resistant Thick Film Linear Voltage									
	W_0603	Resistant Thick Film Linear Voltage Regulator IC									
	W_0603 LDO_CM OS_HICU RR_SO-	Resistant Thick Film Linear Voltage Regulator IC Positive	U1	1							
	W_0603 LDO_CM OS_HICU RR_SO- 8EP_T&R	Resistant Thick Film Linear Voltage Regulator IC Positive Adjustable 1 Output 1A 8-	U1	1							
	W_0603 LDO_CM OS_HICU RR_SO- 8EP_T&R _2.5K	Resistant Thick Film Linear Voltage Regulator IC Positive Adjustable 1 Output 1A 8- SO-EP	U1	1							
	W_0603 LDO_CM OS_HICU RR_SO- 8EP_T&R _2.5K IC_INVER	Resistant Thick Film Linear Voltage Regulator IC Positive Adjustable 1 Output 1A 8- SO-EP	U1	1							
	W_0603 LDO_CM OS_HICU RR_SO- 8EP_T&R _2.5K IC_INVER TER_6CH _1-	Resistant Thick Film Linear Voltage Regulator IC Positive Adjustable 1 Output 1A 8- SO-EP Inverter IC 6 Channel 14-	U1 U2	1							
	W_0603 LDO_CM OS_HICU RR_SO- 8EP_T&R _2.5K IC_INVER TER_6CH	Resistant Thick Film Linear Voltage Regulator IC Positive Adjustable 1 Output 1A 8- SO-EP Inverter IC 6 Channel 14-		1							
	W_0603 LDO_CM OS_HICU RR_SO- 8EP_T&R _2.5K IC_INVER TER_6CH _1- INP_14SO IC	Resistant Thick Film Linear Voltage Regulator IC Positive Adjustable 1 Output 1A 8- SO-EP Inverter IC 6 Channel 14- SOIC		1							
	W_0603 LDO_CM OS_HICU RR_SO- BEP_T&R _2.5K IC_INVER TER_6CH _1- INP_14SO IC CCD_LINE	Resistant Thick Film Linear Voltage Regulator IC Positive Adjustable 1 Output 1A 8- SO-EP Inverter IC 6 Channel 14- SOIC	U2								
	W_0603 LDO_CM OS_HICU RR_SO- BEP_T&R _2.5K IC_INVER TER_6CH _1- INP_14SO IC CCD_LINE AR_IMAG	Resistant Thick Film Linear Voltage Regulator IC Positive Adjustable 1 Output 1A 8- SO-EP Inverter IC 6 Channel 14- SOIC		1							
	W_0603 LDO_CM OS_HICU RR_SO- 8EP_T&R _2.5K IC_INVER TER_6CH _1- INP_14SO IC CCD_LINE AR_IMAG E_SENSO	Resistant Thick Film Linear Voltage Regulator IC Positive Adjustable 1 Output 1A 8- SO-EP Inverter IC 6 Channel 14- SOIC	U2								
	W_0603 LDO_CM OS_HICU RR_SO- 8EP_T&R _2.5K IC_INVER TER_6CH _1- INP_14SO IC CCD_LINE AR_IMAG E_SENSO	Resistant Thick Film Linear Voltage Regulator IC Positive Adjustable 1 Output 1A 8- SO-EP Inverter IC 6 Channel 14- SOIC Image Sensors CCD Linear Image Sensor	U2								
	W_0603 LDO_CM OS_HICU RR_SO- 8EP_T&R _2.5K IC_INVER TER_6CH _1- INP_14SO IC CCD_LINE AR_IMAG E_SENSO R_DIP22 CCD_Ima ge_Senso	Resistant Thick Film Limear Voltage Regulator IC Positive Adjustable 1 Output 1A 8- SO-EP Linverter IC 6 Channel 14- SOIC Limage Sensors CCD Limear Image Sensor B/W-3648x1	U2								
	W_0603 LDO_CM OS_HICU RR_SO- 8EP_T&R _2.5K IC_INVER TER_6CH _1- INP_14SO IC CCD_LINE AR_IMAG E_SENSO R_DIP22 CCD_lma ge_Senso r_5 5 sum	Resistant Thick Linear Voltage Regulator IC Positive Adjustable 1 Output 118 8- SO-EP Inverter IC 6 Channel 14- SOIC Image Sensor- SCCD Linear Image Sensor- B/W- 3648x1 CCD Image	U2 U3								
	W_0603 LDO_CM OS_HICU RR_SO- 8EP_T&R _2.5K IC_INVER TER_6CH _1- INP_14SO IC CCD_LINE AR_IMAG E_SENSO R_DIP22 CCD_lma ge_Senso r_5 5 sum	Resistant Thick Film Limear Voltage Regulator IC Positive Adjustable 1 Output 1A 8- SO-EP Linverter IC 6 Channel 14- SOIC Limage Sensors CCD Limear Image Sensor B/W-3648x1	U2 U3								