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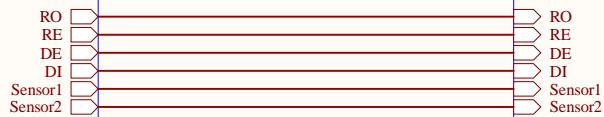
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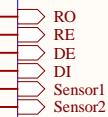
A

A

Sensor inputs
Sensor inputs.SchDoc



MCU
MCU.SchDoc



Data Logger
Data Logger.SchDoc



B

B

C

C

D

D

Power
Power.SchDoc

Title		
Farm Assistor		
Size	Number	Revision
A4	8	4.0
Date:	5/05/2024	Shedt of 5
File:	C:\Users..\Farm Assistor.SchDoc	Drawn By: JAYATHILAKADE.U

1

2

3

4

1 2 3 4

A

A

B

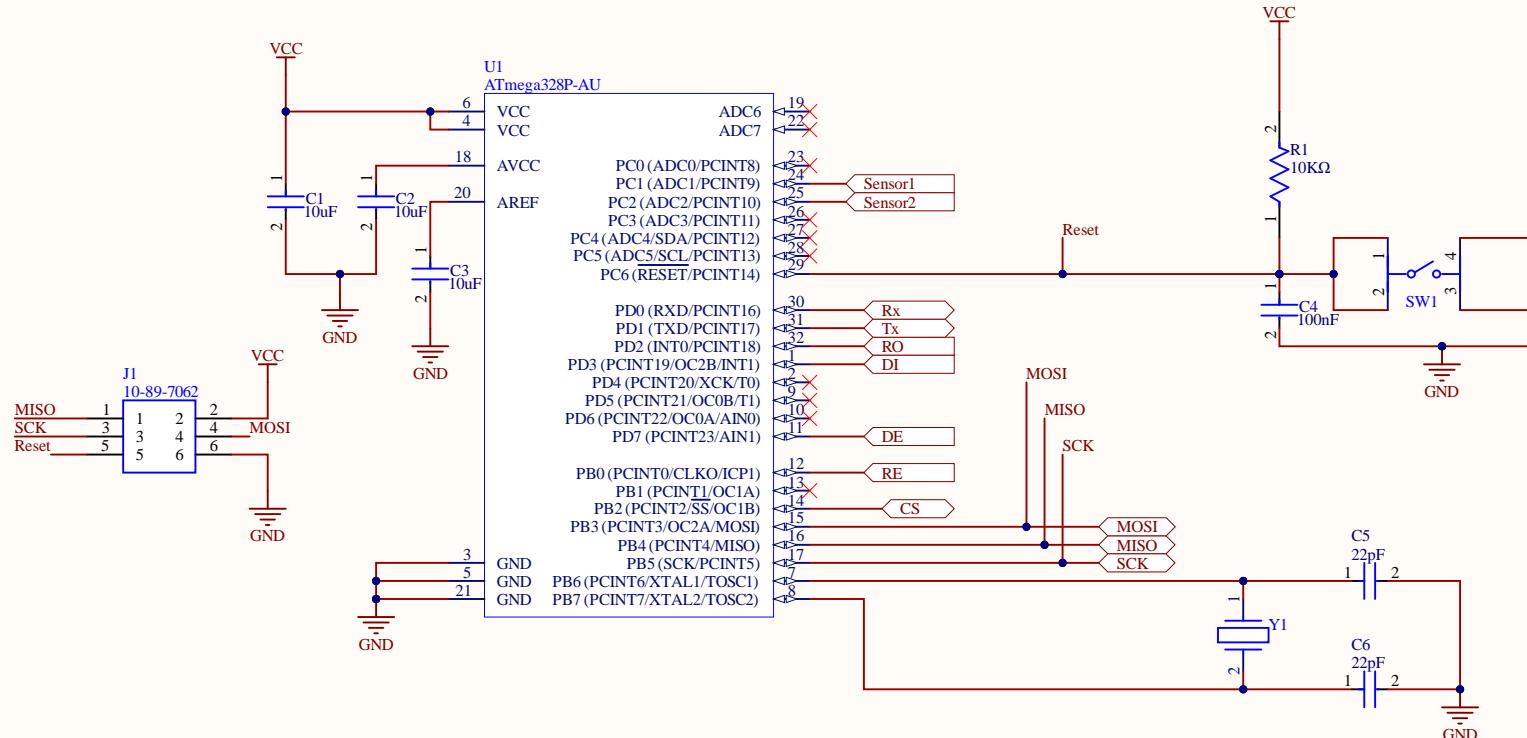
B

C

C

D

D



Title		
MCU		
Size	Number	Revision
A4	8	4.0
Date:	5/05/2024	Sheet 2f 5
File:	C:\Users...\MCU.SchDoc	Drawn By: JAYATHILAKA D.E.U

1 2 3 4

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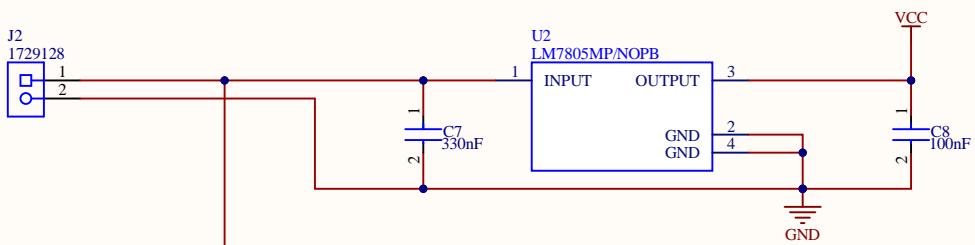
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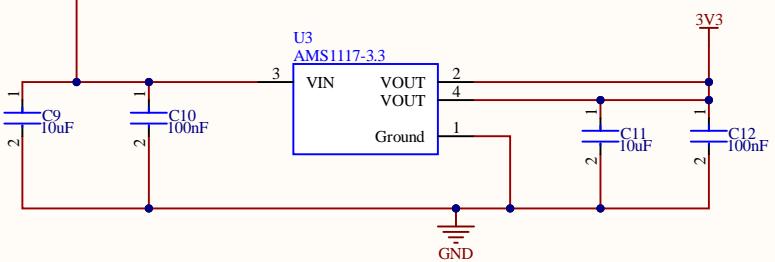
A

A



B

B



C

C

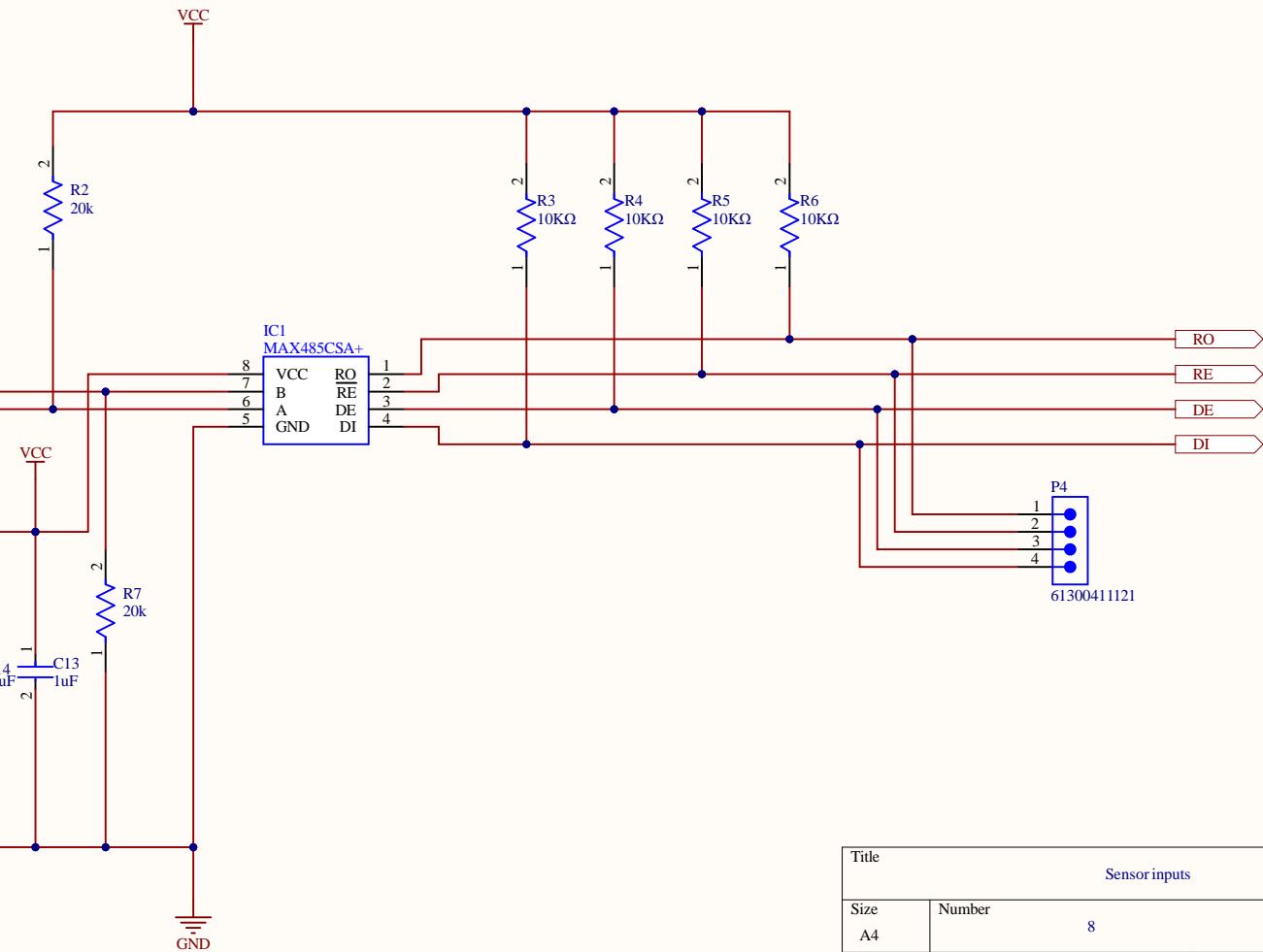
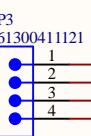
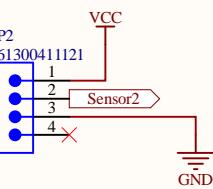
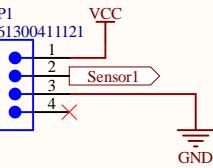
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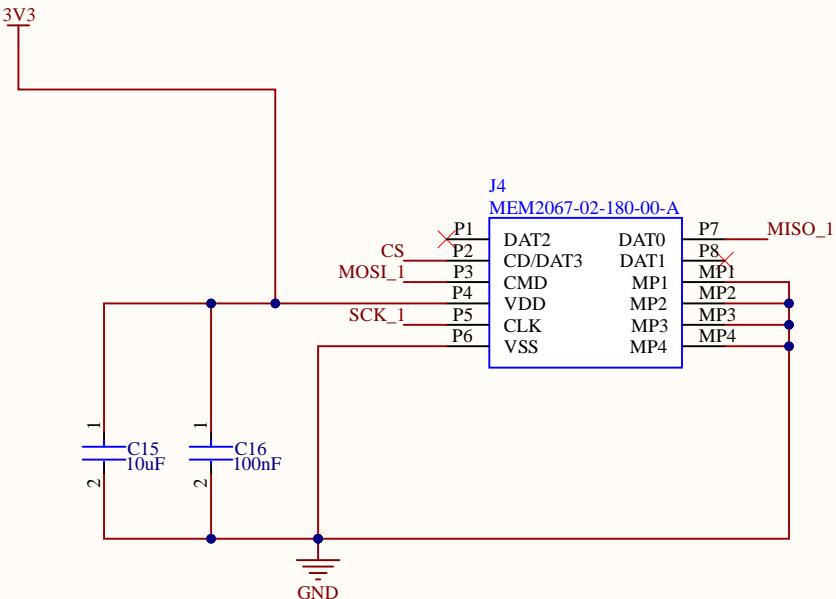
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Title POWER		
Size A4	Number 8	Revision 4.0
Date: 5/05/2024	Sheet 3f 5	
File: C:\Users...\Power.SchDoc		Drawn By: JAYATHILAKADE.U



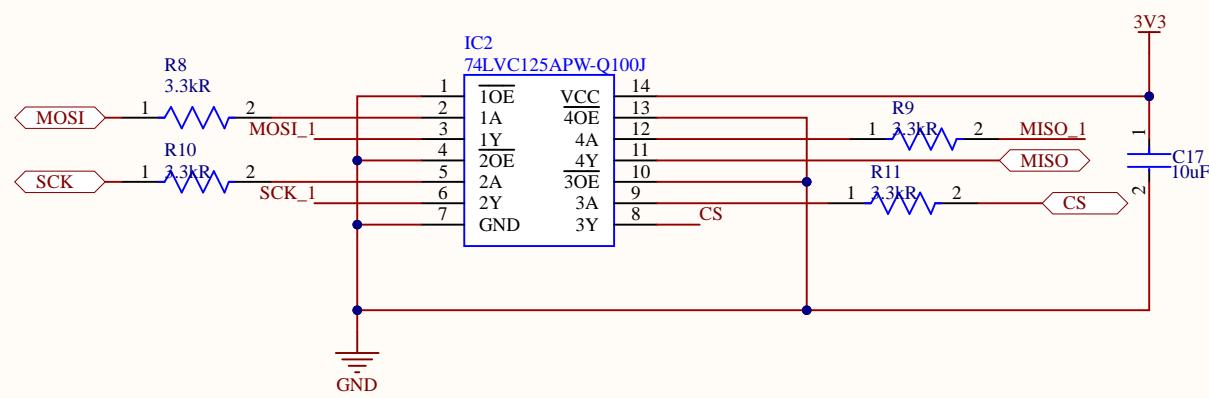
Title			
Sensor inputs			
Size	Number	Sheet	Revision
A4	8	4f	4.0
Date:	5/05/2024	File:	C:\Users..\Sensor inputs.SchDoc
Drawn By:	JAYATHILAKA D.E.U	5	

A



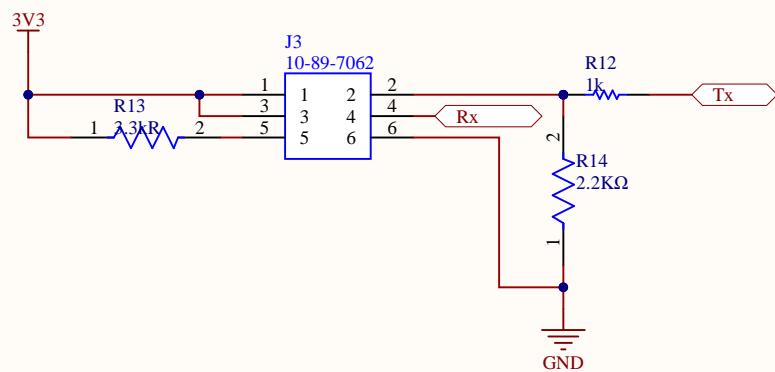
B

A



C

B



D

C

D

DATA LOGGER

Size	Number	Revision
A	8	4.0
Date:	5/05/2024	Sheet 5 of 5
File:	C:\Users\...\Data Logger.SchDoc	Drawn By: JAYATHILAKA D.E.U

Comment	Description	Designator	Footprint	LibRef	Quantity
CL31B106KBHNNNE	CAP CER10UF50V X7R1206	C1, C2, C3, C9, C11, C14, C15, C17	FP-CL31B106KBHNNNE-MFG	CMP-2000-07530-2	8
GRM31C5C1H104JA01L	Chip Multilayer Ceramic Capacitors for General Purpose, 1206, 0.10uF, COG, 30ppm/°C, 5%, 50V	C4, C8, C10, C12, C16	FP-GRM31C_0_2-e0_3_0_8-IPC_B	CMP-06035-003994-1	5
GRM31A5C2J220JW01D	Chip Multilayer Ceramic Capacitors for General Purpose, 1206, 22pF, COG, 30ppm/°C, 5%, 630V	C5, C6	FP-GRM31A_0_2-e0_3_0_95-IPC_C	CMP-06035-015531-1	2
CC1206KX7R0BB334	CAP CER X7R 1206	C7	FP-CC1206-0_3-1_8-MFG	CMP-03422-001408-1	1
12061C105K4T2A	Automotive Ceramic Capacitor, 1206, 1uF, 10%, X7R, 15%,	C13	FP-1206-L_3_2_0_2-W_1_6_0-IPC_A	CMP-04427-018965-1	1
MAX485CSA+	Integrated Circuit	IC1	SOIC127P600X175-8N	MAX485CSA+	1
74LVC125APW-Q100J	Integrated Circuit	IC2	SOP65P640X110-14N	74LVC125APW-Q100J	1
10-89-7062	Connector	J1, J3	HDRV6W87P254_2X3-775X508X864P	10-89-7062	2
1729128	PCB Terminal Block, 13.5 A, 400 V, 2-Pin THD, RoHS, Bulk	J2	PHOE-1729128-2_V	CMP-2000-05815-1	1
MEM2067-02-180-00-A	Connector	J4	MEM20670218000A	MEM2067-02-180-00-A	1
61300411121		P1, P2, P3, P4	61300411121	CMP-1502-01064-2	4
RT1206BRD0710KL	RES10.0KOHM 1/4W .1% SMD 1206	R1, R3, R4, R5, R6	FP-RT1206-MFG	CMP-2003-04273-2	5
ERA8AEB203V	RESSMD20KOHM 0.1% 1/4W 1206	R2, R7	FP-ERA8A-IPC_A	CMP-2003-04436-2	2
CRCW12063K30FKEA	RESThick Film, 3.3kΩ, 1%, 0.25W, 100ppm/°C, 1206	R8, R9, R10, R11, R13	FP-CRCW1206-e3-MFG	CMP-2100-03617-2	5
RT1206FRE071KL		R12	RESC3116X65X40ML1_0T20	CMP-2003-04306-1	1
RT1206BRD072K2L	RES2.20KOHM 1/4W .1% SMD 1206	R14	FP-RT1206-MFG	CMP-2003-04098-2	1
1571634-2	SWITCH TACTILE SPST-NO 0.05A 24V	SW1	FP-1571634-2-MFG	CMP-03407-000008-1	1
ATmega328P-AU	8-bit AVR Microcontroller, 32KB Flash, 1KB EEPROM, 2KB SRAM, 32-pin TQFP, Industrial Grade (-40°C to 85°C)	U1	32A_M	CMP-0095-00269-2	1
LM7805MP/NOPB	IC REG LINEAR5V 1.5A SOT223-4	U2	FP-DCY0004A-MFG	CMP-04917-000007-1	1
AMS1117-3.3	LDO Voltage Regulators 1A, 3.3V	U3	FP-AMS117-IPC_C	CMP-209535-000001-1	1
ECS-160-20-3X-TR	Crystal or Oscillator	Y1	ECS160203XTR	ECS-160-20-3X-TR	1