Engineering Journal - Sentor Destan 2023-2024

09/25: - Meeting with Dr. Brown about what Solem

09/A: - Grove pluring & bisculin at work

09/21: - Soliditain THINS Using GIT, Plumine I Mas for each GT US to work on - Find IC, ADC, Hustown for System

= Near to Solith ADC = Use oneshoot phillse general for pulse - Use charge circuit pur amplificar

- Documentation [SDD SRS]

+Look into ADC'S

09/29: - Meet Dr. Dion, asun

- 80 MJPS nudud for ADL

- Possible expansion of More inputs

- New Desin creck betwee Purchase at items

- Cicute a plutform for him to sure us next fix

+ Desin amplifier

+ Sossem Setup, asunk Drugum

RP2040 - Monosmole pulse -> AMP/Pre-AMP -> FINI AMP
(555)

+ /SUKHz -> 18.51 NS

+ /SOOKHz -> 2 NS

+555 Minimure PULL

0.5 NS - 500 ~ 5

10/63: - Writ = 7.5 min to church controlly - 15 GAIO PIL for Complet/2/10/7 Lyden - Stop button flow or 11V - Fors while h IZC +5.6K & 3nF + Filer Input w ADC + Marining improduce for ADL + ADC BUTH CHIT [FPGA] + BNC conforms 6/05: - tushmy lo/lu: - Looking was new ADC
- Jiming Circuit ld/2: - Descusion of furur plans W/17: - Moving things to pry bub - Drycustrun W18: - Meters will D. Brun - itil use osillustipe in fitida with, want sesta one w/24. - Purchase phonology - work with oscillosure 10/26; - SRJ + SPO - Purmuse 1787 Chancing -bushpha bub 10/31: - BSCHlosume work CHI - Sine were JOHZ, 400pgV CHZ - Pulse 50Hz, 4V, OVOHER, 200/W pulk wAN

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-SRI & SOD Finalisation V2
2.3 & 4.3 sources
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11/02: - Presontations

11/07: - Purchasing Items - punching Ap pilo Carol - Allithing won osalwase

11/09: - Pinning butle Prouss

- Phony of Result cose

11/16: - work on RP2040 Lote
- Solder Mains Crip/Cortains Dut-Steet

11/21; - Prop for pre-bound ; tens & our bruk; mas

11/28: + 2 Ms Pulse

T = 2NJ  $f = \frac{1}{7} = \frac{1}{2NJ} = \frac{1}{2E-E} = \frac{500}{12} \text{ KHz}$ 

P:0 freq = 500 KHZ

Set (Pin) 1)

Set (Ph) (0) [3]

7-6 (46)

- Presention modernin [ADD RK/TK deuton]
- First Test Plan Wocument

11/30 -> 12/7: - Closs Presente tro-5 - Propping Prosentation to our group presentation -3-min video 01/11: - age planing & location Durishin

V

01/16. -4

01/18 -1

OLAS: - CUTHY holes in box
+ USINE DIEMEI to Square the holes

0/25: - Scrup Compuler

user: Jettry

PHJ: PASSWORD

QUESTIMI, PASSENDED

61/30: - Frigizm Computer Setup - Flindry Computer Hudman for Change

the state of the second

02/08: - cody pto contile

02/06: - 11 to Rustino 11 restation for code 02/08: - Plan PHD Com
- Work on Comme Lillen

02/13: 11 OURPUL led

3 ADC input

Start/Stop/Sclett Switch

2 pull down Control Pts

SM: 0

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West for Stop to so high
Stat
Schol

It Stop On Nothing

It Stort: Store Scient milier and boss, 60 2

It Scient: Change Seland Armilier 66 3

Stult punting three : Ath the select 60 1
Monitor ADC vulles
Set worning listers
Contal pulse : It shop 60 1

O uplate state
Charge Solect value was botten found 60 1

Max ADC 3.1 V-194

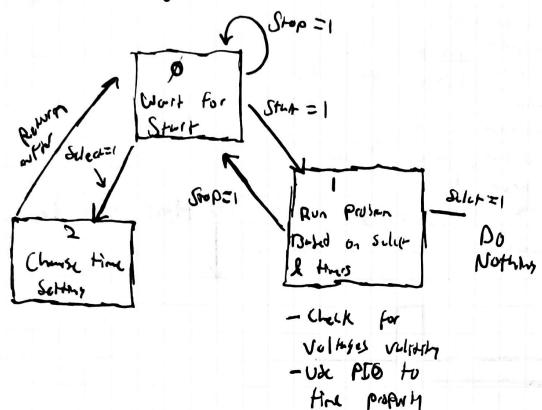
& FRROA

0	2	I pin Map:	
	0		
23	138	0	
18.5	278		
88	-504	GNO	
138.7	.797	2 17	
1925	1.114		
241	1.727	3 7	
347	2.071		
397	7.37	3	AA
400	7.12	GND	AGNO
444	2.747	6 5 460	Volley #12 Al
458	2.20	1 0 1 0 000	Volter to) AO
4.67	2.165		RUN
475	2431	9 8	CAPARNAN 22
480	2.965	GND	GNO
481	2.968	(v 9 + 2 + 2	KARANHY 21
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Volt-k	vo/these	GND	600
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		THE PARTY OF THE P	
12/2/15		[200] 200, 7000 0	
> Piu	SOPE 4821A, 1	26it 20 MS/s. 20 MHz bush	10th 255 MS butter
- 770	ascere som to	Control	
- 6	of thos menter for	sor some so	

07/20

- Not Perent + worked on RADUO artiller + Boson fiverists Pin prophy & Destro or system could hadre

+ Run Oris me Sister + Soup / Lets up ph outers
+ butter / weith ter butter & church Stark 02/22 + + State music



-Tire Steps of

- Install produce lib trus - > Uninstalled - 6hr tost 12, 27, 48,72

- State 2 to
Arm of the values
Inclinet wirm 1
ruma new value

-Tylo- Perm Cylind the Solution - Action 7th - Solution - Action And 7th - Solution - Action And 7th - Solution - Solutio

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- Check Corpulitar votate

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- it a cusplete partying

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- it not wait I mm

- pulse Doth Oscillascoon & trustom TO tipas even Ins

- wait lo min

2ps loops or las

- CIALL Presenting

# | Pin | Description LED Ovoher 2 2 3 11 6W) OD 3 4 Law Burtuin 2 5 Test funnt, 6 ð 6 Hr test 7 12 HI HUL 7 \* 1 24Mr FLA Es Hr ky 4 4 BHI HIL طا 1 1) they walked 12 Ster 12 13 spage. 13

03/070 - Code flow Checks 03/2,-63/11: + BREAK 6×19. + DOE ENG 02/21: - ( ode flow - PIO Costry - Button Lazarupt 03/26: - Code flow -PIO Code - PIO Tirring - Testing with osillascape 1:960ms/ Plans f = 500 KHz > f = 1 MHz pule with = x/p/8 f = #X ナニテ チニテ WRONG CHANGE LATER -CODE

-IMPROPER DELAY & CLK DEVEPER CODE PLO

