Production Status

RIKEN/RBRC
Itaru Nakagawa

INTT Production Status

* Beyond 112 are spares

2022	1	2 (Today)	3	4	5	6	7	8	Qty*	Status
Silicon									135	Done
HDI									176	Done
Stave									204	Done
Bus Extender	Batch-1(20)				Batch-2(40)		Batch-3(70)		130	Production
Conversion Cable	Prototype-1		Prototype-2		?		Production (130)	?	130	Prototype
Beam Clock Board	Design				Preproduction(2)	Production(18)			20	Prototype

SUS Tubes for Nitrogen Gas Line

- 24 gas line tubes were delivered from Asuka co. on Feb. 24th.
- Export paper work is in progress. Target pickup date is March 2nd. (To be delivered to BNL in 2nd week of March.)

ROC Test @ RIKEN

ROC Regulator Upgrade Status

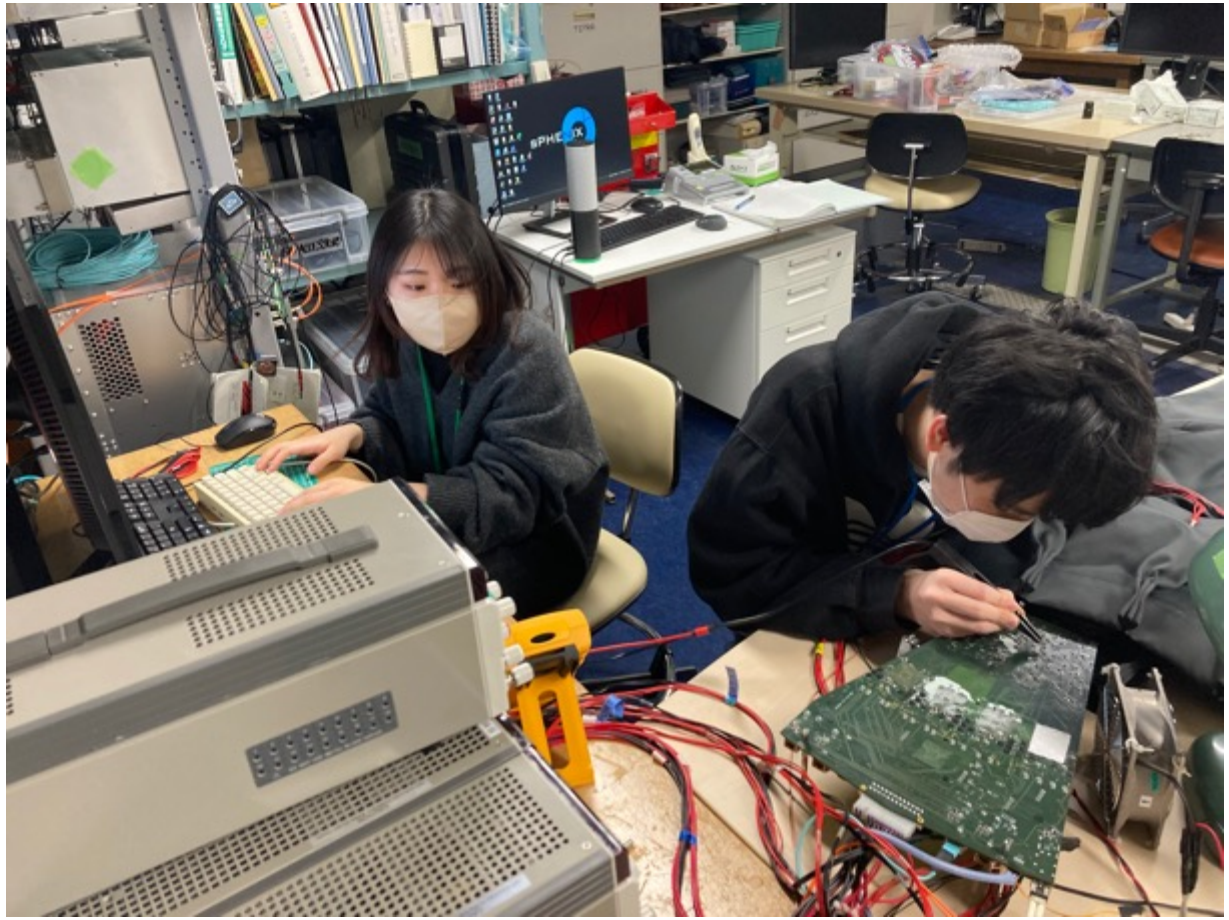
1008 ROC Board Database

	1	2	3		4	5	6	7	8	9	10	11	12	13	14	15		16	17	18	19	20			regulator replacement done
							2020/3/																		
INTT ROC ID	2	5	6	7	9	10	11	13	15	16	17	18	19	20	22	23	24	26	28	29	31	32			
FVTX ROC ID	NW4	NW0	NW2		SW	SW	27	NE4	NE0	NE3	NW3	NE2	NE5	SW5	SE2	SE1	SE4	SE3	SE0	-	NW1	NE2			
Location on Sept. 28, 2020					TW	TW	NWU?																		
Location on Oct. 20, 2020				NWU	NWU																				
Location on June 9, 2021				RPC																	RKN				
Location on June 18, 2021	RKN	RKN	RKN	RKN				RKN	RKN	RKN	RKN	RKN	RKN	RKN	RKN	RKN	RKN	RKN	RKN	RKN	RKN	RKN			
Regulator Replacement July 8, 2021	**RPC**	**RPC**	**RPC**					**RPC**	**RPC**	**RPC**	**RPC**	**RPC**	**RPC**		**RPC**	**RPC**	**RPC**	**RPC**	**RPC**	**RPC**		**RPC**			**RPC=Hayashi REPIC**
Location on July 17, 2021				NWU								RKN													
Location on Aug.6, 2021	RKN	RKN	RKN					RKN	RKN	RKN	RKN		RKN		RKN	RKN	RKN	RKN	RKN	RKN		RKN			
Location on Aug.13, 2021						RKN																			
Location on Oct.28, 2021		NWU																							
Regulator Replacement Feb 18, 2021														**RPC**							**RPC**				

https://docs.google.com/spreadsheets/d/1NqsqNfkyfRpXj9aPM9hcaYEB5UxvhhLp_wnfW-ExAG0/edit#gid=0

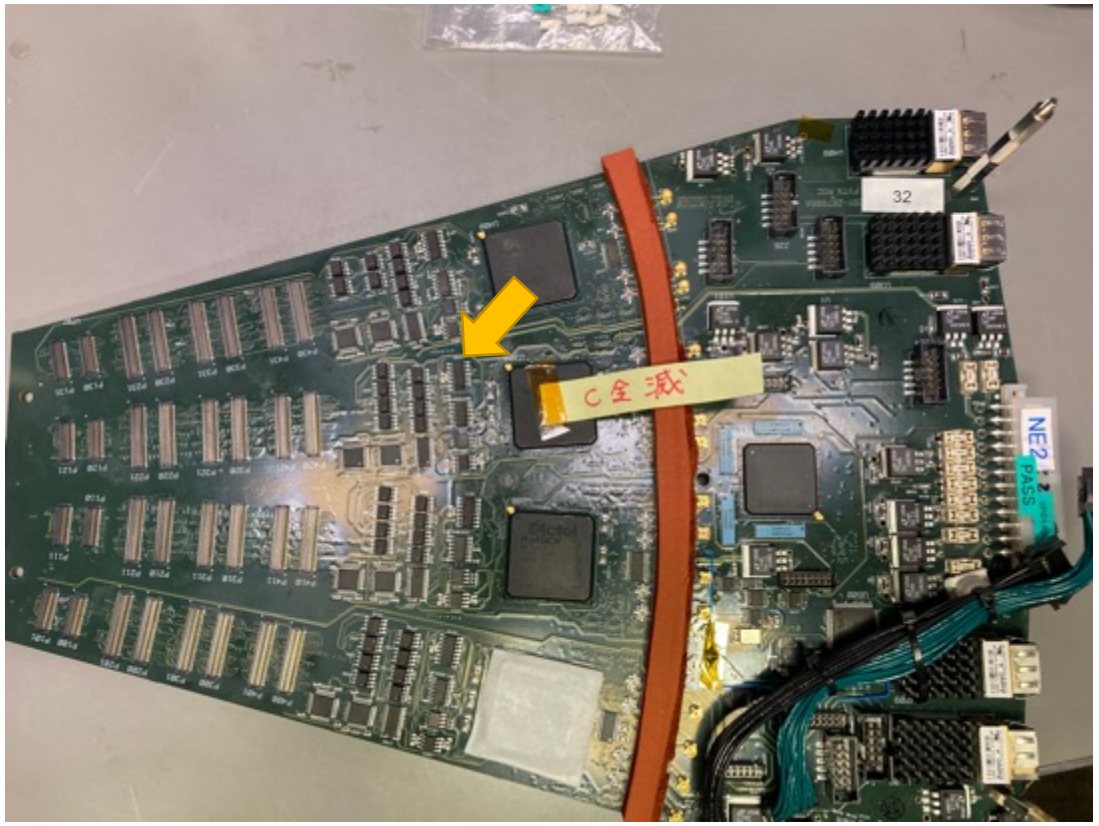
1008 ROC Test ongoing @ RIKEN

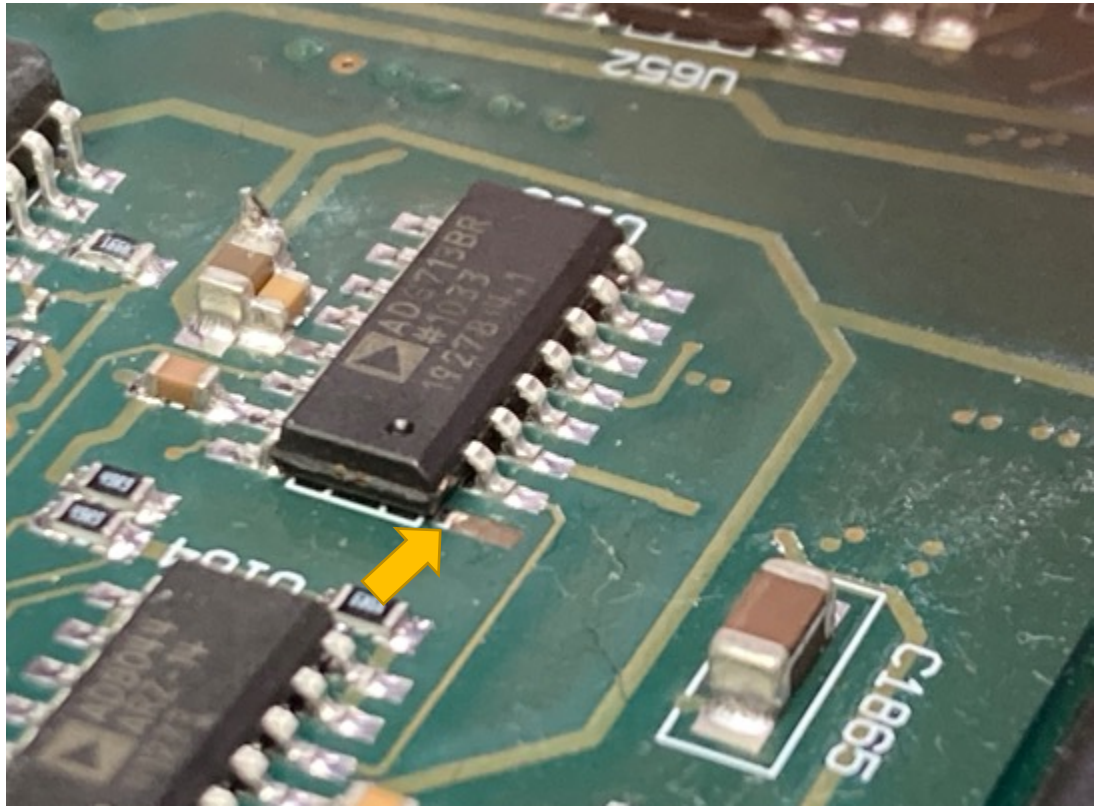
Thanks for help Luna from NWU



Testing 1 ROC/day

ROC Board NE2 (Failed all Column-C)

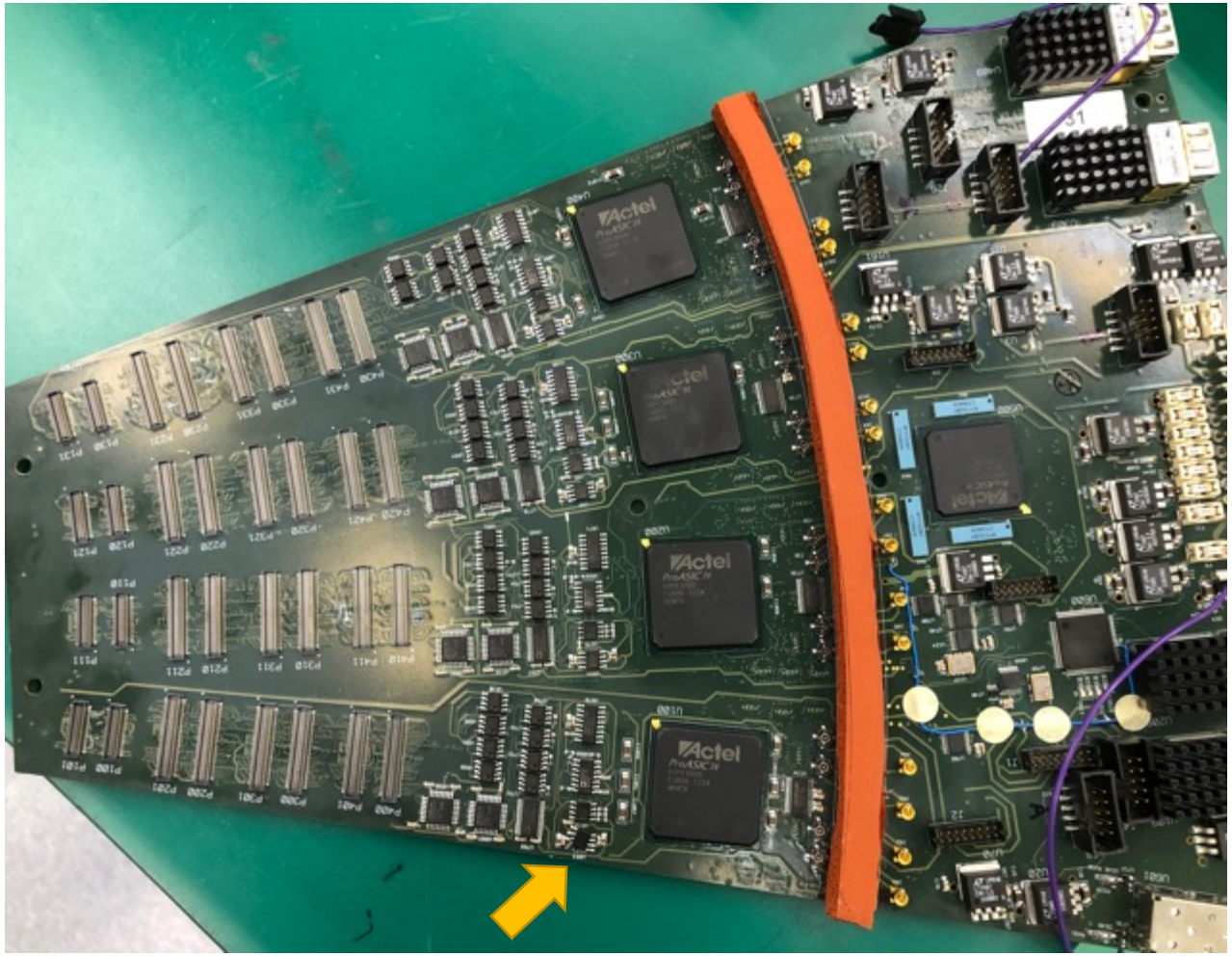


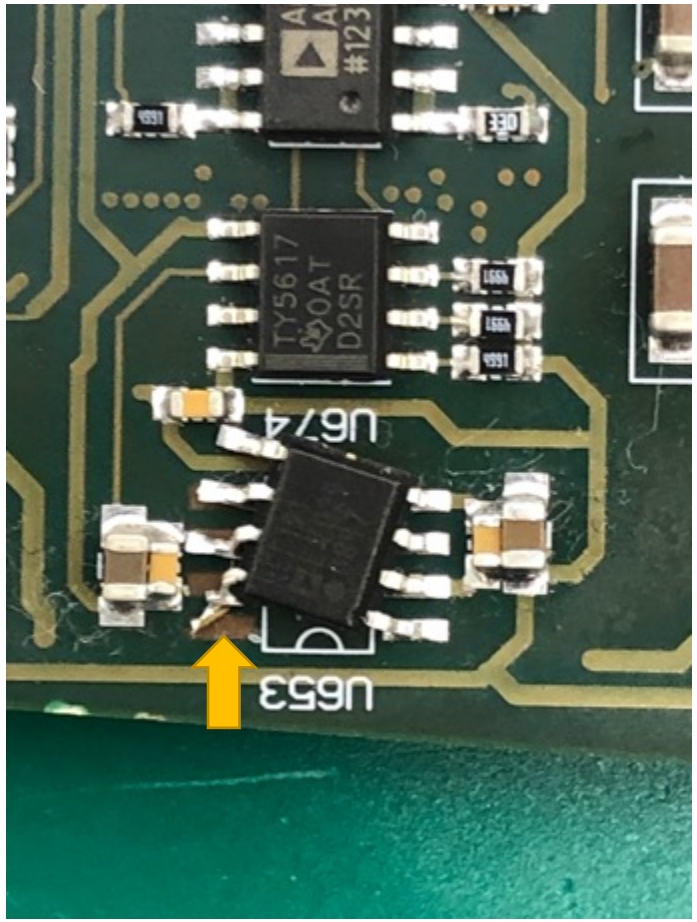


Missing Pin#1 (Leg is completely gone), pad metal is also gone.

Damaged Chip on NW1

Pad‘s metal is peeled off. It may not be able to restore. Too bad.





Plan

- Continue testing ROCs at RIKEN.
- Try to fix damaged ROCs accordingly and re-test them once they are fixed.
- Plan to ship ~8 good ROCs to BNL by the end of March.