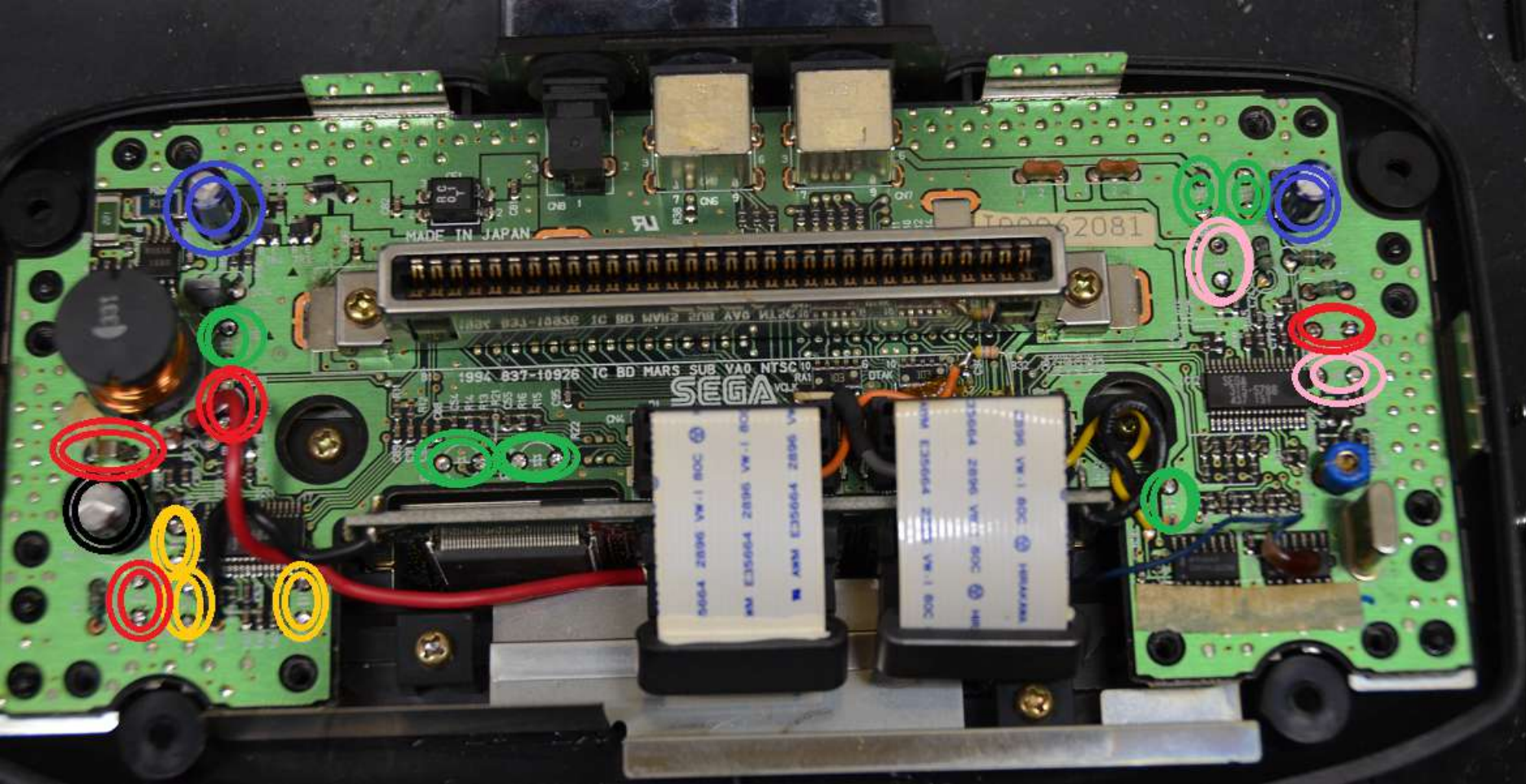




CE3	10uF	16v
CE4	10uF	16v
CE5	10uF	16v
CE6	47uF	10v
CE7	47uF	10v
CE8	47uF	10v
CE9	47uF	10v
CE10	47uF	10v
CE11	1uF	50v
CE12	220uF16v	
CE13	1uF	50v
CE14	100uF10v	
CE15	47uF	10v
CE16	220uF16v	
CE17	470uF10v	
CE18	100uF10v (Low ESR)	
CE19	100uF10v	
CE20	100uF10v	

837-7719-01 IC BD GG MAIN USA
837-7996 IC BD GG MAIN EUROPE



Do not obstruct these areas on the PCB.
Rear case supports sit flush to these areas.

TW-10794V-0

Game Gear VA1, 2 ASIC
Capacitor Map
Most recent version and
parts list at:
<http://console5.com>
©2011, 2015 Luke Sandel

VA1 Twin Cap chart

0.47uf 50v x2

4.7uf 35v x1

10uf 6.3v x3

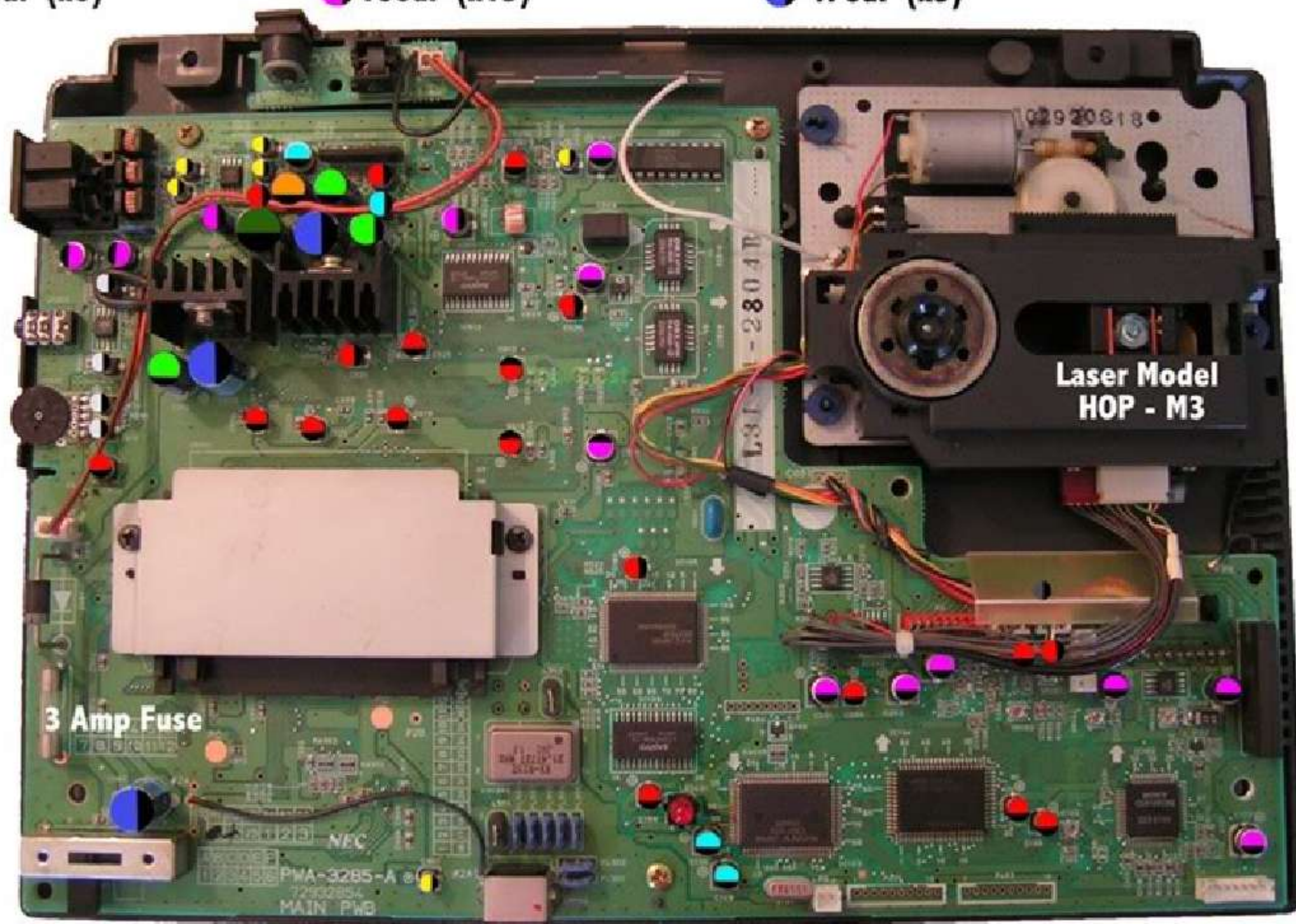
22uf 6.3v x1

33uf 6.3v x1

68uf 6.3v x1

100uf 6.3v x2

- | | | | |
|------------------|-----------------|--------------|---------------|
| ● 3.3uF 50V (x1) | ● 22uF (x19) | ● 220uF (x1) | ● 1000uF (x1) |
| ● 4.7uF (x4) | ● 47uF (x4) | ● 330uF (x3) | |
| ● 10uF (x6) | ● 100uF (x13) * | ● 470uF (x3) | |



Turbo Express Cap Replacement Chart

Red Ghost - www.pcenginefx.com

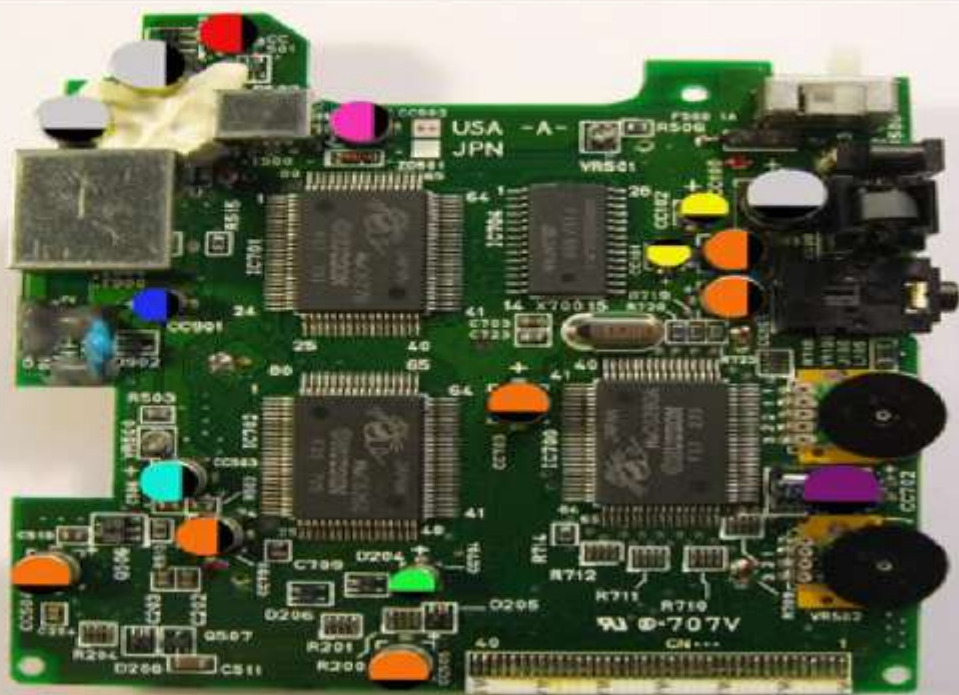
Main Board

- 4.7 μ F 35V (x1)
- 4.7 μ F 50V (x1)
- 10 μ F 16V (x1)
- 22 μ F 6V (x1)
- 22 μ F 35V (x1)
- 33 μ F 6V (x2) *
- 100 μ F 6V (x6)
- 100 μ F 16V (x3)
- 470 μ F 6.3V (x1)

Controller Board

47 μ F 6.3V (x1)

* Using 47 μ Fs in place of the 33 μ Fs should provide slightly louder speaker audio.





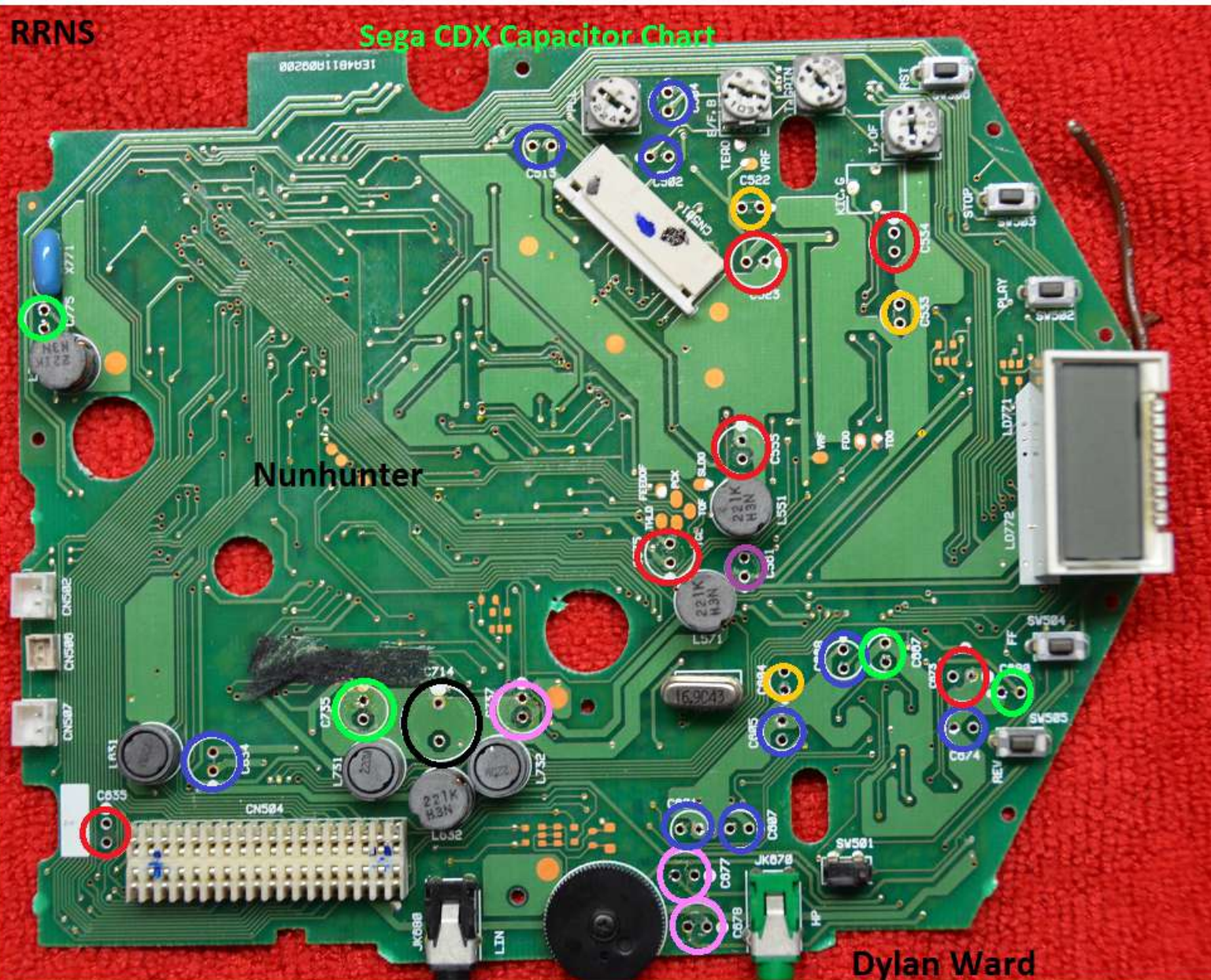
Pc Engine Duo RX Capacitor Chart

C101	100uF	10v	C102	3.3uF	50v
C105	22uF	25v	C108	0.47uF	50v
C110	22uF	25v	C113	22uF	25v
C114	22uF	25v	C117	3.3uF	50v
C119	22uF	25v	C122	4.7uF	50v
C127	4.7uF	50v	C129	22uF	25v
C131	0.47uF	50v	C133	22uF	25v
C135	47uF	25v	C136	100uF	16v
C149	47uF	25v	C164	22uF	25v
C301	1000uF	16v	C302	1000uF	16v
C305	330uF	10v	C308	220uF	10v
C310	330uF	10v	C311	330uF	10v
C325	33uF	25v	C507	100uF	10v
C521	100uF	10v	C523	100uF	10v
C612	47uF	25v	C631	100uF	10v
C953	1uF	50v	C954	1uF	50v
C955	1uF	50v	C956	1uF	50v
C957	1uF	50v	C958	1uF	50v
C959	1uF	50v	C960	1uF	50v
C961	10uF	50v	C962	470uF	16v
C159	22uF	16v	C165	22uF	16v
C200	22uF	16v	C201	100uF	6.3v
C202	100uF	6.3v	C205	47uF	6.3v
C206	47uF	6.3v	C604	10uF	16v
C610	10uF	16v	C613	10uF	16v
C614	10uF	16v	C615	47uF	16v
C616	22uF	16v	C617	10uF	16v
C618	10uF	16v	C653	22uF	16v
C673	47uF	6.3v	C674	47uF	6.3v
C675	47uF	6.3v	C878	10uF	16v
C879	10uF	16v	C883	10uF	16v
C884	10uF	16v	C952	10uF	16v

RRNS

Sega CDX Capacitor Chart

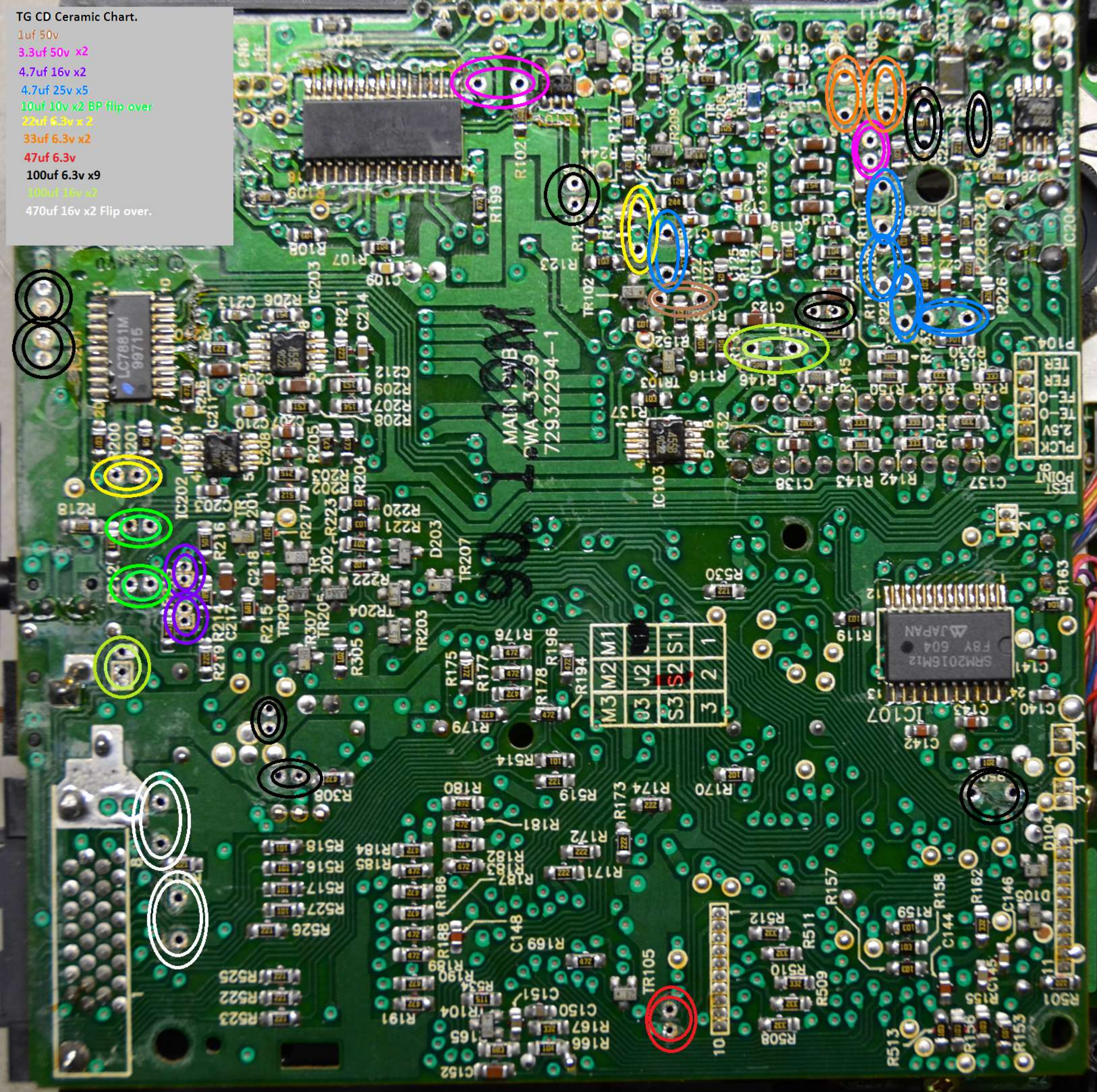
CD Player PCB chart



C502	47uF	6.3v
C504	47uF	6.3v
C513	47uF	6.3v
C522	10uF	16v
C523	100uF	6.3v
C533	10uF	16v
C534	100uF	6.3v
C555	100uF	6.3v
C561	33uF	10v
C575	100uF	6.3v
C601	47uF	6.3v
C604	10uF	16v
C605	47uF	6.3v
C607	47uF	6.3v
C634	47uF	6.3v
C635	100uF	16v
C667	22uF	16v
C668	47uF	6.3v
C673	100uF	6.3v
C674	47uF	6.3v
C677	220uF	6.3v
C678	220uF	6.3v
C680	22uF	16v
C714	470uF	16v
C735	22uF	6.3v
C737	220uF	6.3v
C775	22uF	16v

TG CD Ceramic Chart.

1uf 50v
3.3uf 50v x2
4.7uf 16v x2
4.7uf 25v x5
10uf 10v x2 BP flip over
22uf 6.3v x 2
33uf 6.3v x2
47uf 6.3v
100uf 6.3v x9
100uf 16v x2
470uf 16v x2 Flip over.





DNX1843-F

ECV

CID A100

RetroRepairsnSales

DNY132-A VIDEO

Turbo Express Cap Replacement Chart

Red Ghost - www.pcenginefx.com

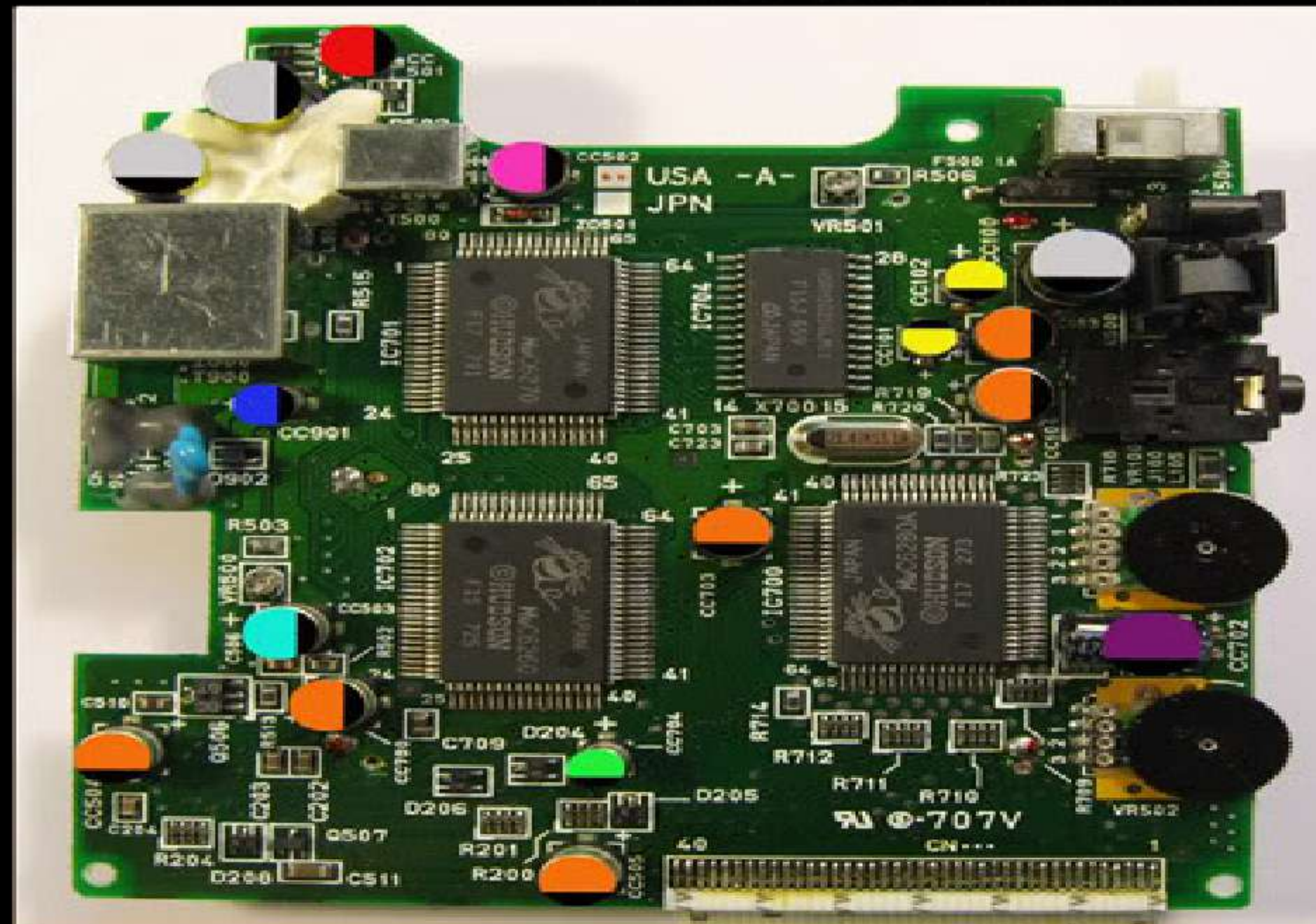
Main Board

- 4.7 uF 35V (x1)
- 4.7uF 50V (x1)
- 10uF 16V (x1)
- 22uF 6V (x1)
- 22uF 35V (x1)
- 33uF 6V (x2) *
- 100uF 6V (x6)
- 100uF 16V (x3)
- 470uF 6.3V (x1)

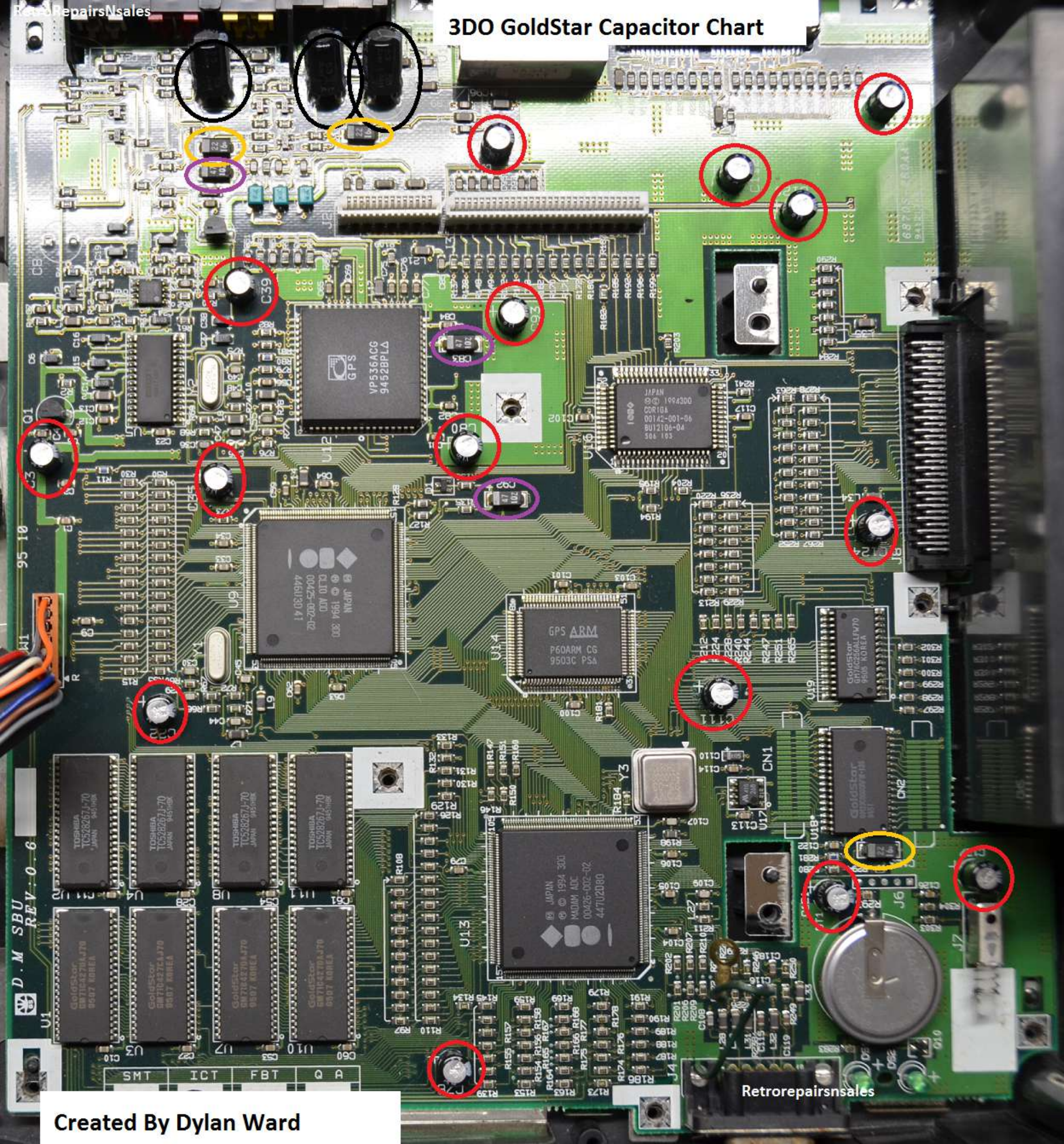
Controller Board

47uF 6.3V (x1)

* Using 47uFs in place of the 33uFs should provide slightly louder speaker audio.

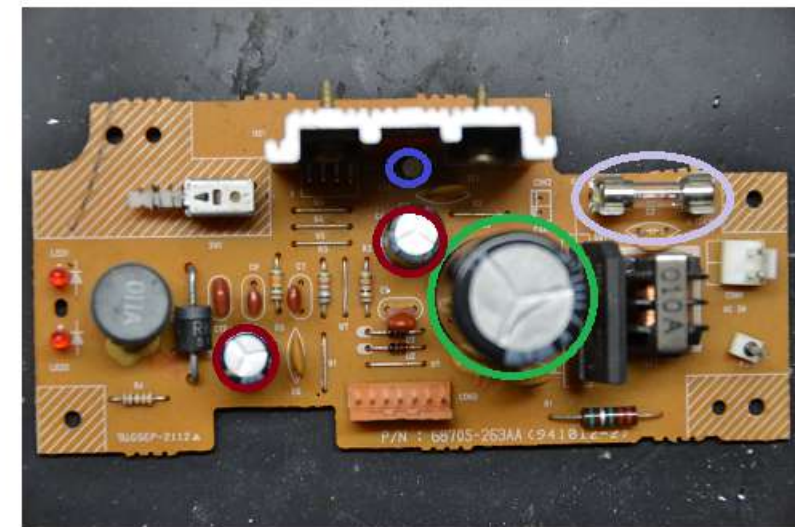


3DO GoldStar Capacitor Chart



Main PCB: 6870S-60AA 940914-1

C3	100uf	16v
C22	100uf	16v
C32	470uf	10v
C35	100uf	16v
C39	100uf	16v
C68	470uf	10v
C73	470uf	10v
C78	100uf	16v
C80	100uf	16v
C91	100uf	16v
C93	100uf	16v
C111	100uf	16v
C112	100uf	16v
C120	100uf	16v
C121	100uf	16v
C124	100uf	16v
C125	100uf	16v
C127	100uf	16v
C123	22uf	16v
C92	47uf	10v
C83	47uf	10v
C72	22uf	16v
C43	22uf	16v
C42	47uf	10v



Power PCB: 6870S-263AA

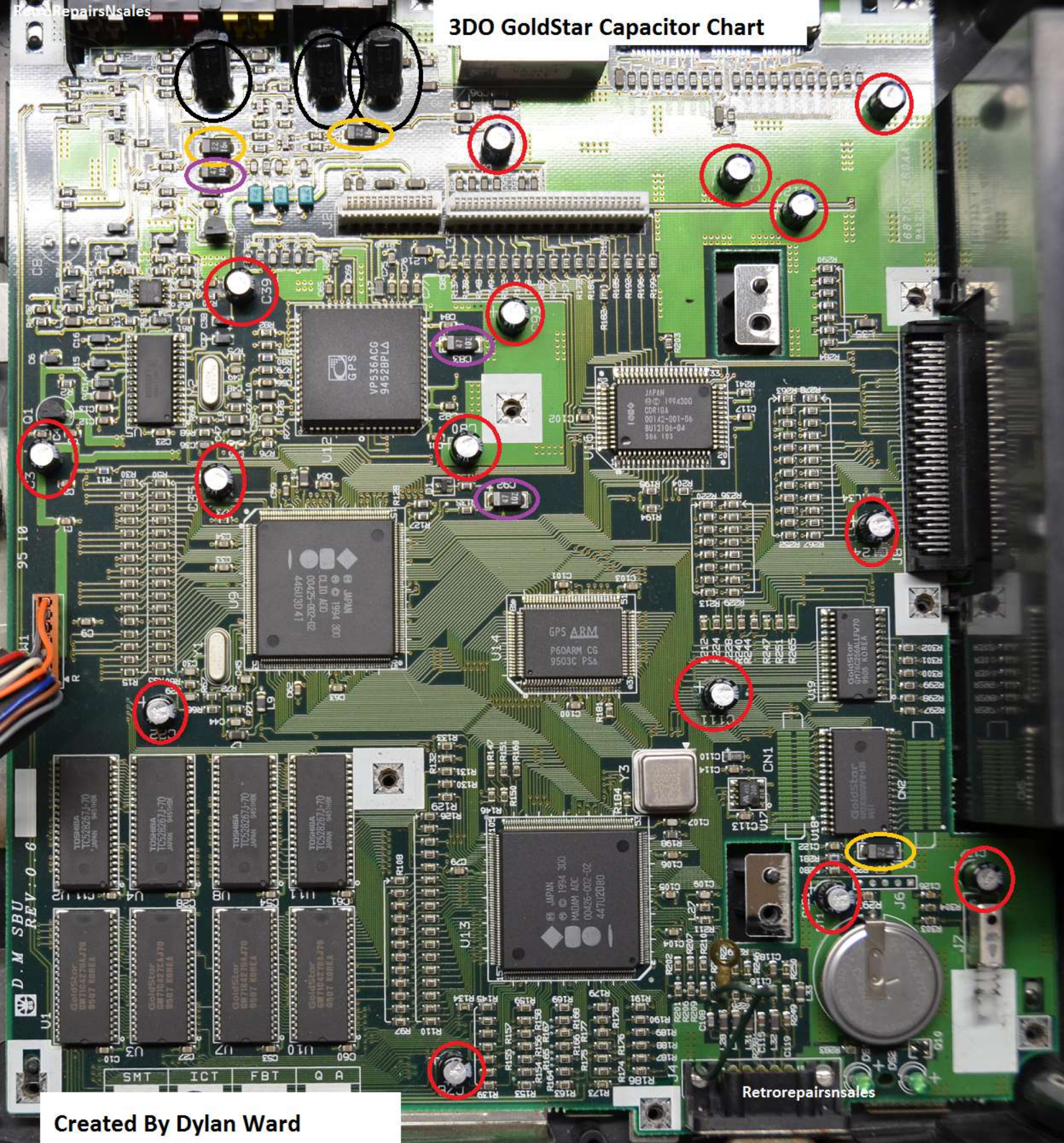
C2	4700uf	35v
C4	1000uf	16v
C8	1000uf	16v
C10	10uf	50v

Fuse 3.75AMP 250v

CD PCB: 1EA4B11A09900

CD PCB is built-in to disc tray

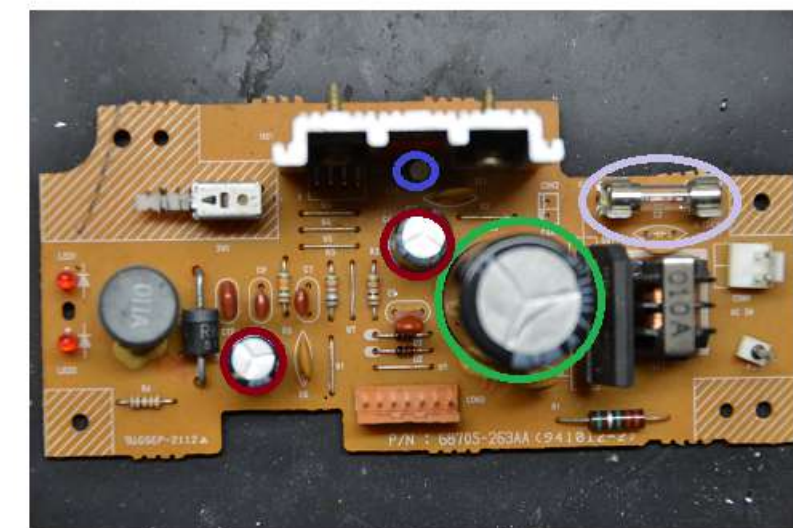
C809	100uf	6.3v
C814	470uf	16v
C816	470uf	16v



3DO GoldStar Capacitor Chart

Main PCB: 6870S-60AA 940914-1

C3	100uf	16v
C22	100uf	16v
C32	470uf	10v
C35	100uf	16v
C39	100uf	16v
C68	470uf	10v
C73	470uf	10v
C78	100uf	16v
C80	100uf	16v
C91	100uf	16v
C93	100uf	16v
C111	100uf	16v
C112	100uf	16v
C120	100uf	16v
C121	100uf	16v
C124	100uf	16v
C125	100uf	16v
C127	100uf	16v
C123	22uf	16v
C92	47uf	10v
C83	47uf	10v
C72	22uf	16v
C43	22uf	16v
C42	47uf	10v



Power PCB: 6870S-263AA

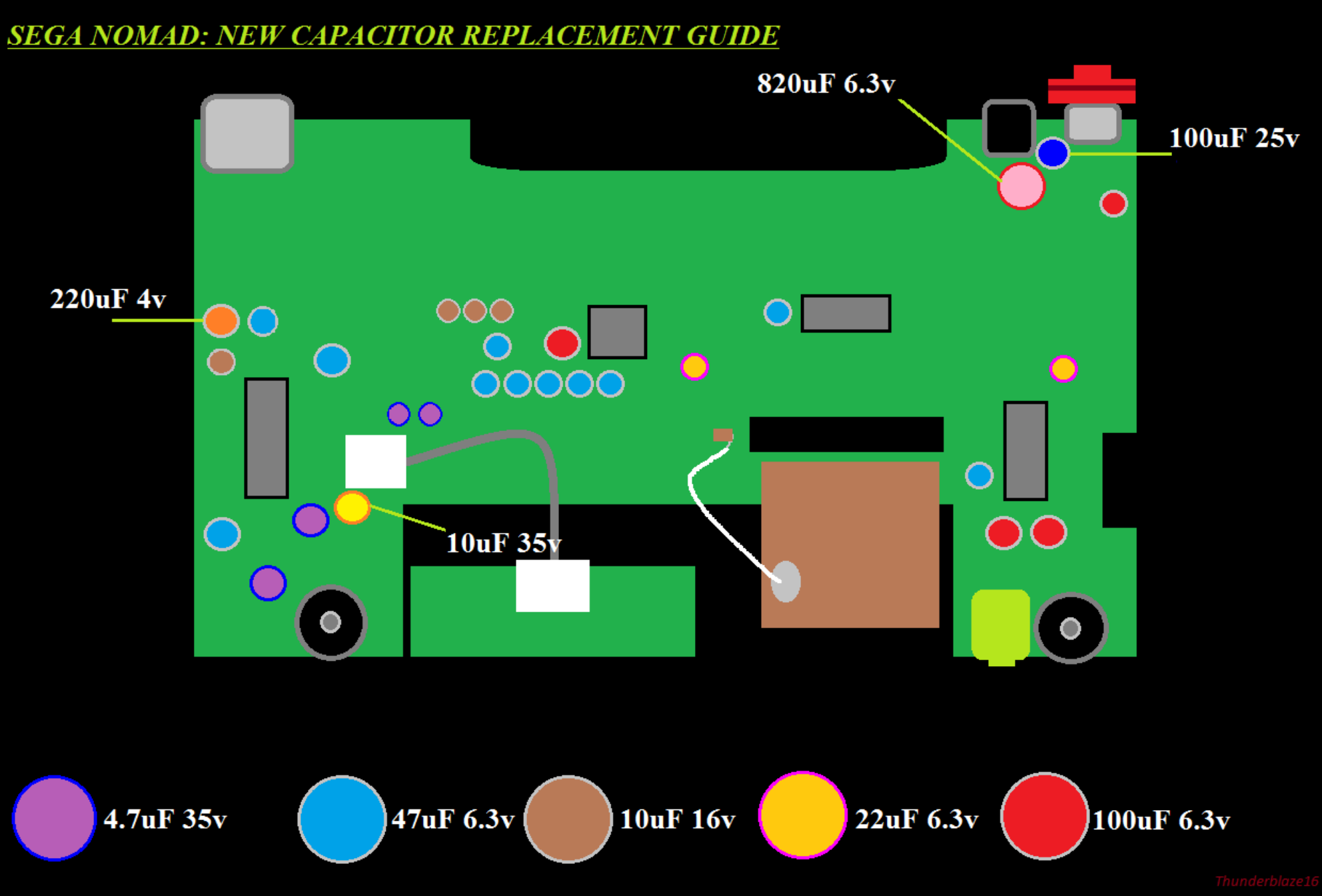
C2	4700uf	35v
C4	1000uf	16v
C8	1000uf	16v
C10	10uf	50v

Fuse 3.75AMP 250v

CD PCB: 1EA4B11A09900
CD PCB is built-in to disc tray

C809	100uf	6.3v
C814	470uf	16v
C816	470uf	16v

Created By Dylan Ward



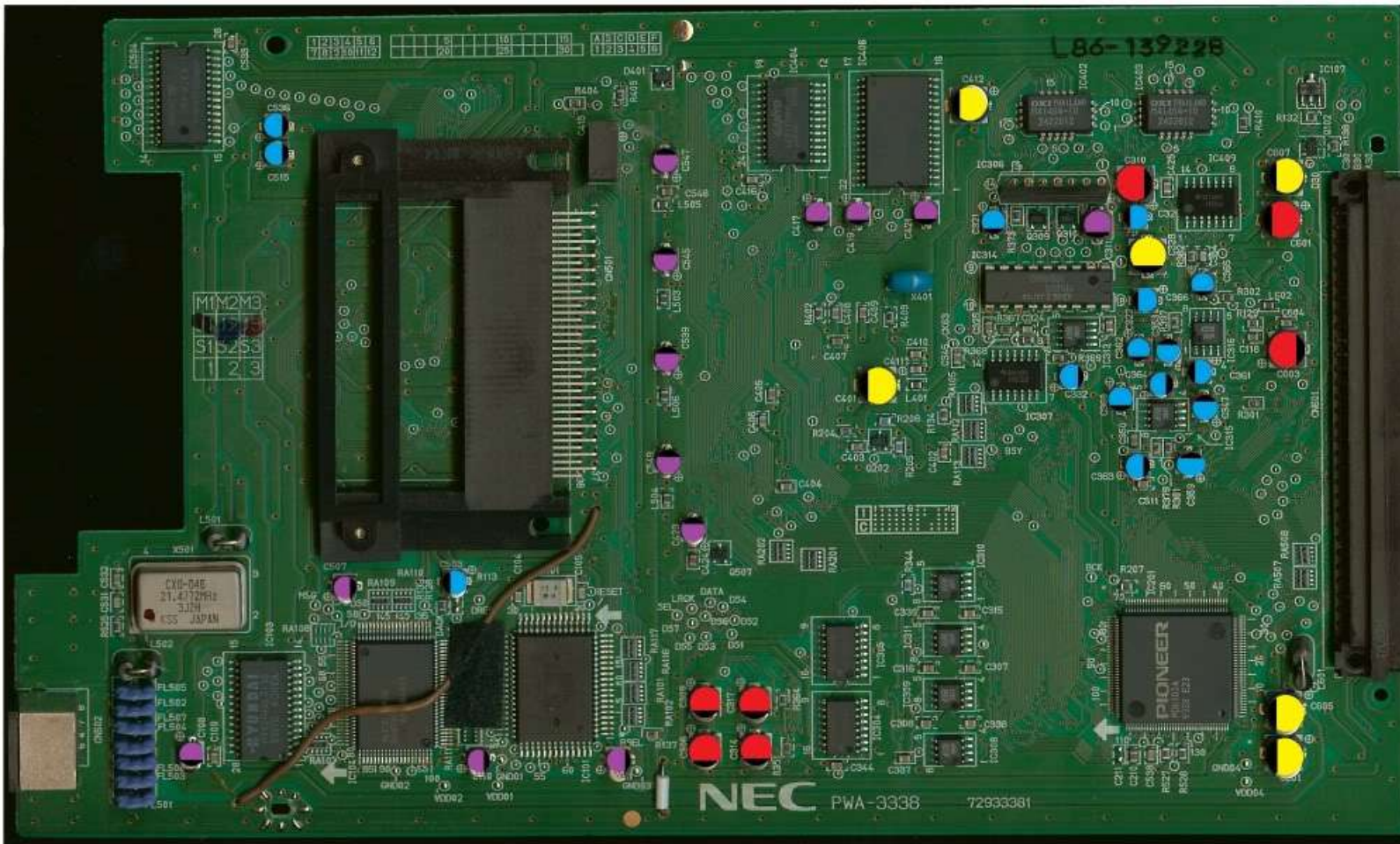
Laseractive PAC-N1 / N10 Capacitor Replacement Chart

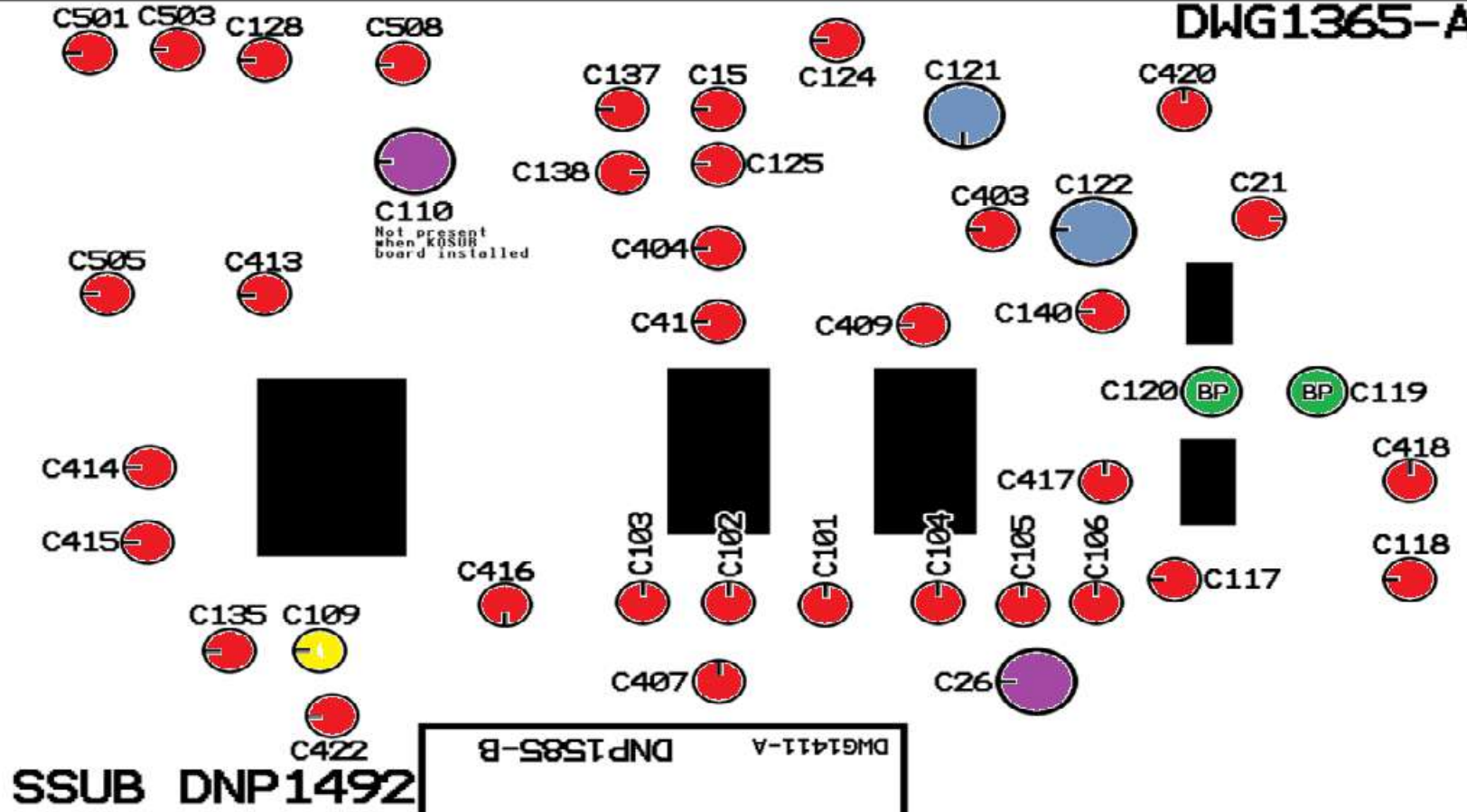
● 10 μ F 16V (Qty 16)

● 22 μ F 16V (Qty 13)

● 47 μ F 16V (Qty 7)

● 100 μ F 16V (Qty 6)

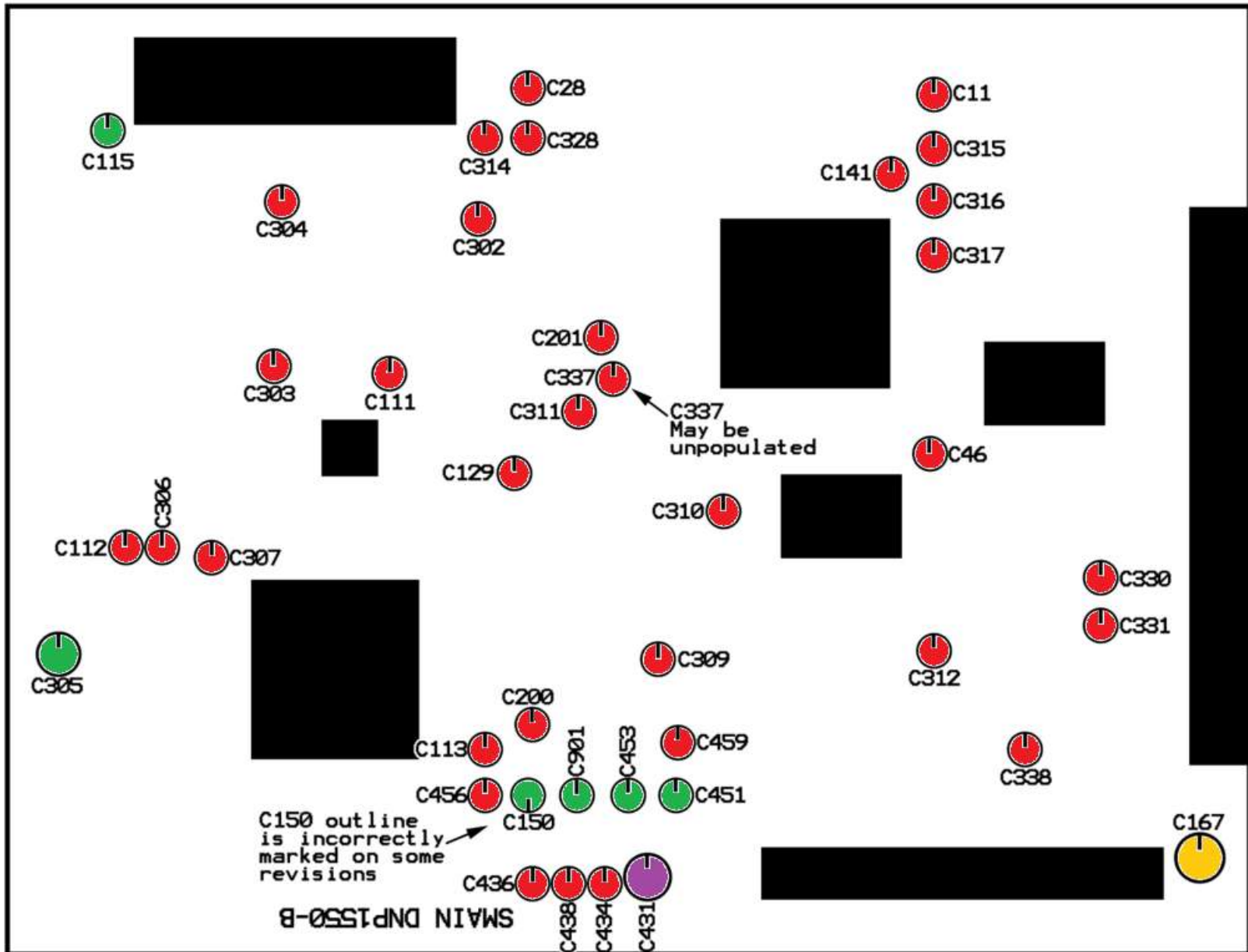




This sub board not
present on all revisions

1uf 50v
10uf 16v
10uf 16v BP
47uf 16v
100uf 6.3v

Red Ghost Design.
Made By Nunhunter.
Gamerward
retrorepairsales



10uf 16v
 47uf 16v
 100uf 6v
 470uf 10v

Made By Nunhunter
 Retrorepairsnsales
 Gamerward.



Sega CDX Cap Chart

Power PCB

C201 470uF 10v

C204 4.7uF 50v

C206 470uF 10v

C207 470uF 10v

C209 470uF 10v

C211 100uF 6.3v

Main PCB Board

C27 100uF 6.3v

C29 220uF 6.3v

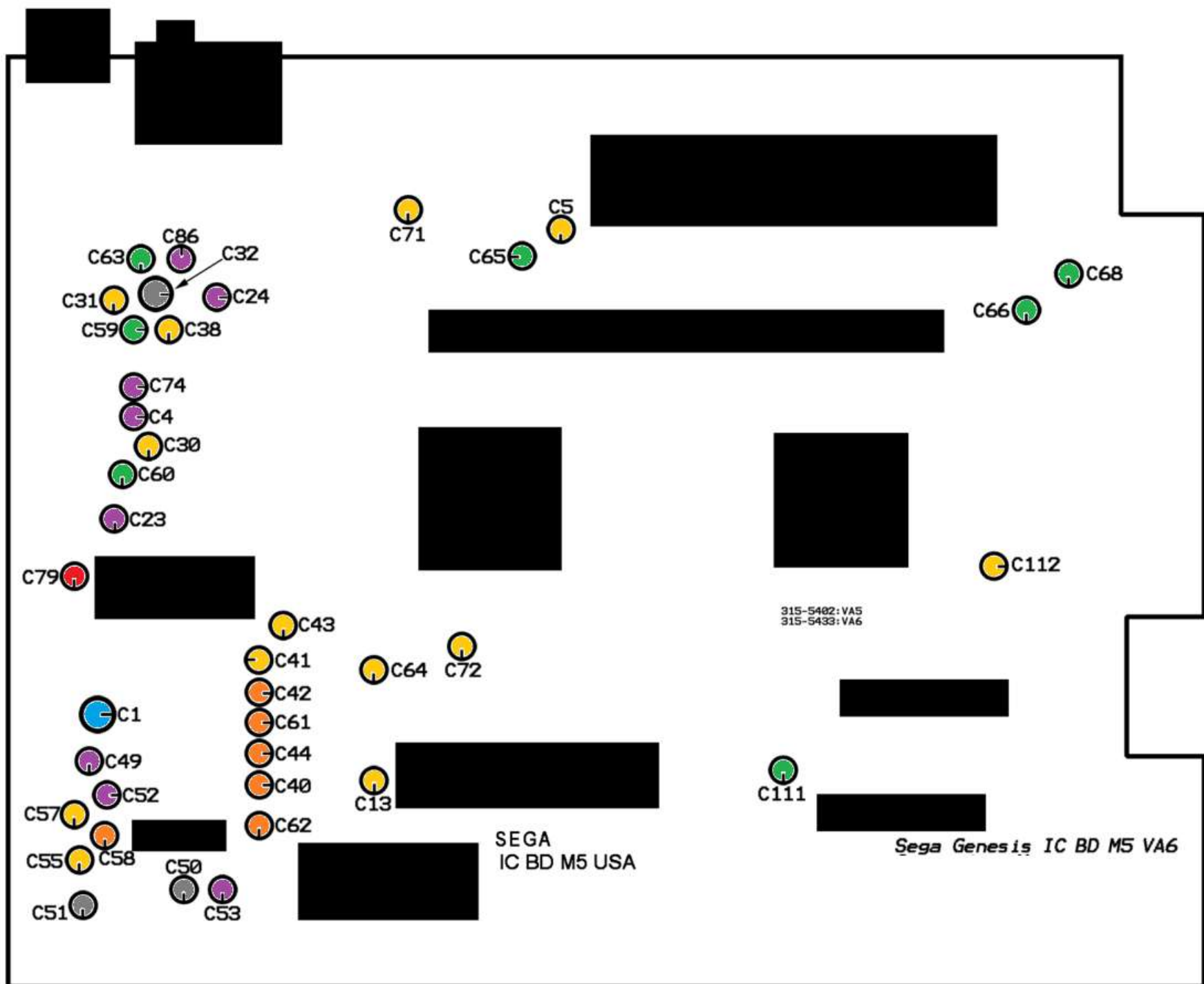
C46 220uF 6.3v

C90 100uF 6.3v

C107 220uF 6.3v

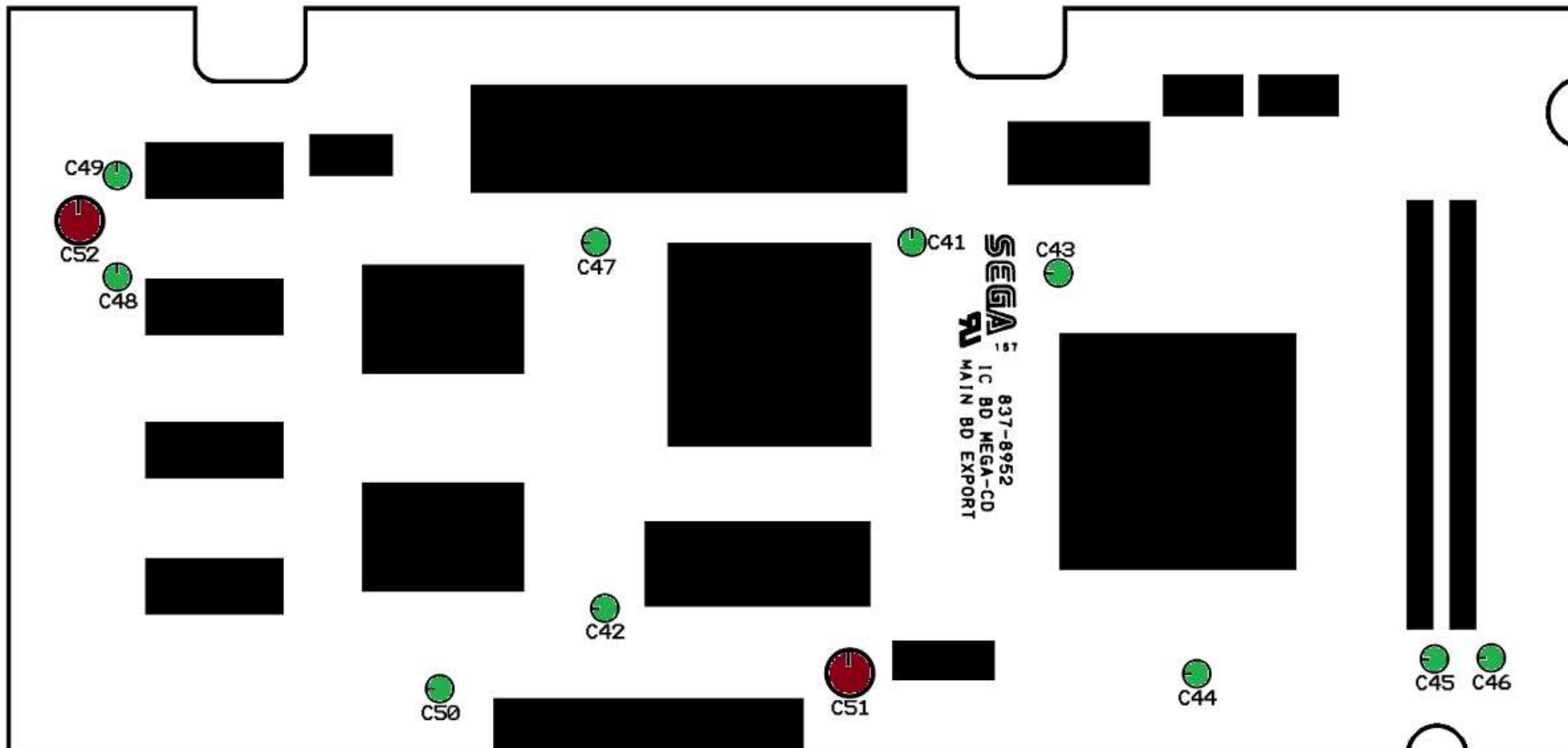
C108 220uF 6.3v





- 1uf 50v
- 10uf 16v
- 47uf 10v
- 100uf 10v
- 100uf 16v
- 220uf 10v
- 220uf 16v

Made By Nunhunter
Gamerward
Retrorepairsnsales



Sub BD

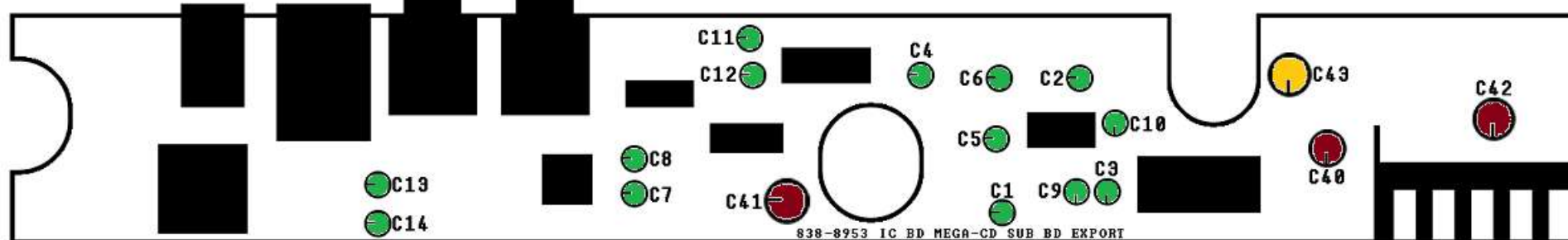
C1	10uF	16v
C2	10uF	16v
C3	10uF	16v
C4	10uF	16v
C5	10uF	16v
C6	10uF	16v
C7	10uF	16v
C8	10uF	16v
C9	10uF	16v
C10	10uF	16v
C11	10uF	16v
C12	10uF	16v
C13	10uF	16v
C14	10uF	16v
C40	100uF	6.3v
C41	100uF	6.3v
C42	100uF	6.3v
C43	100uF	16v

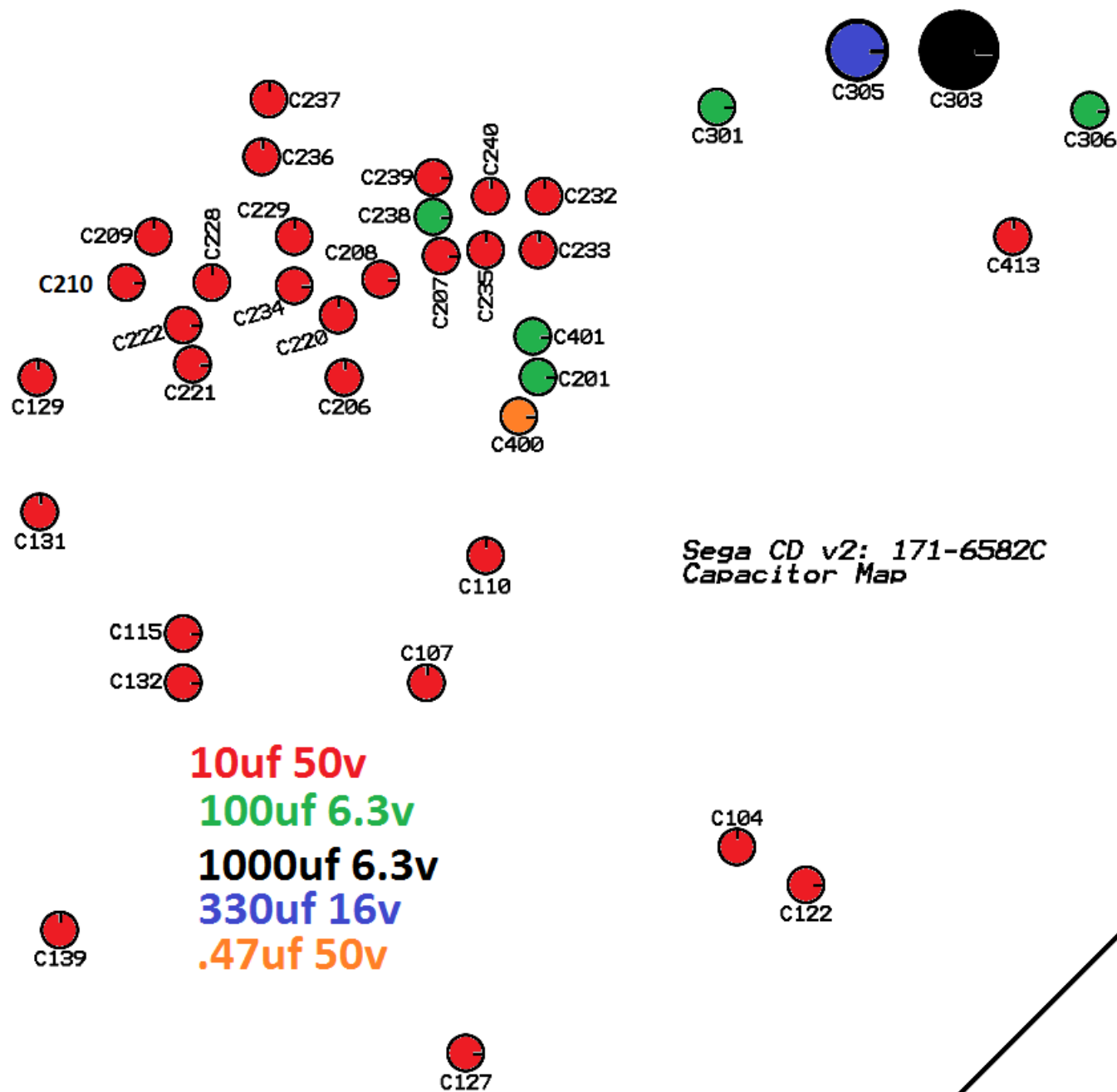
MAIN BD

C41	10uF	16v
C42	10uF	16v
C43	10uF	16v
C44	10uF	16v
C45	10uF	16v
C46	10uF	16v
C47	10uF	16v
C48	10uF	16v
C49	10uF	16v
C50	10uF	16v
C51	100uF	6.3v
C52	100uF	6.3v

Sony KSS-1200A

C203	4.7uF	50v
C204	33uF	16v
C202	33uF	16v
C205	10uF	50v
C206	33uF	16v
C201	100uF	10v
C200	.47uF	50v
C207	330uF	16v
C208	330uF	6.3v







C68



C43

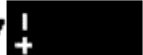


C45

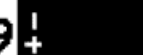
C55



C47



C49



C54

C4



C1



C14

C42



C11



0.47uf 50V x2

4.7uf 35v x1

10uf 16v x4

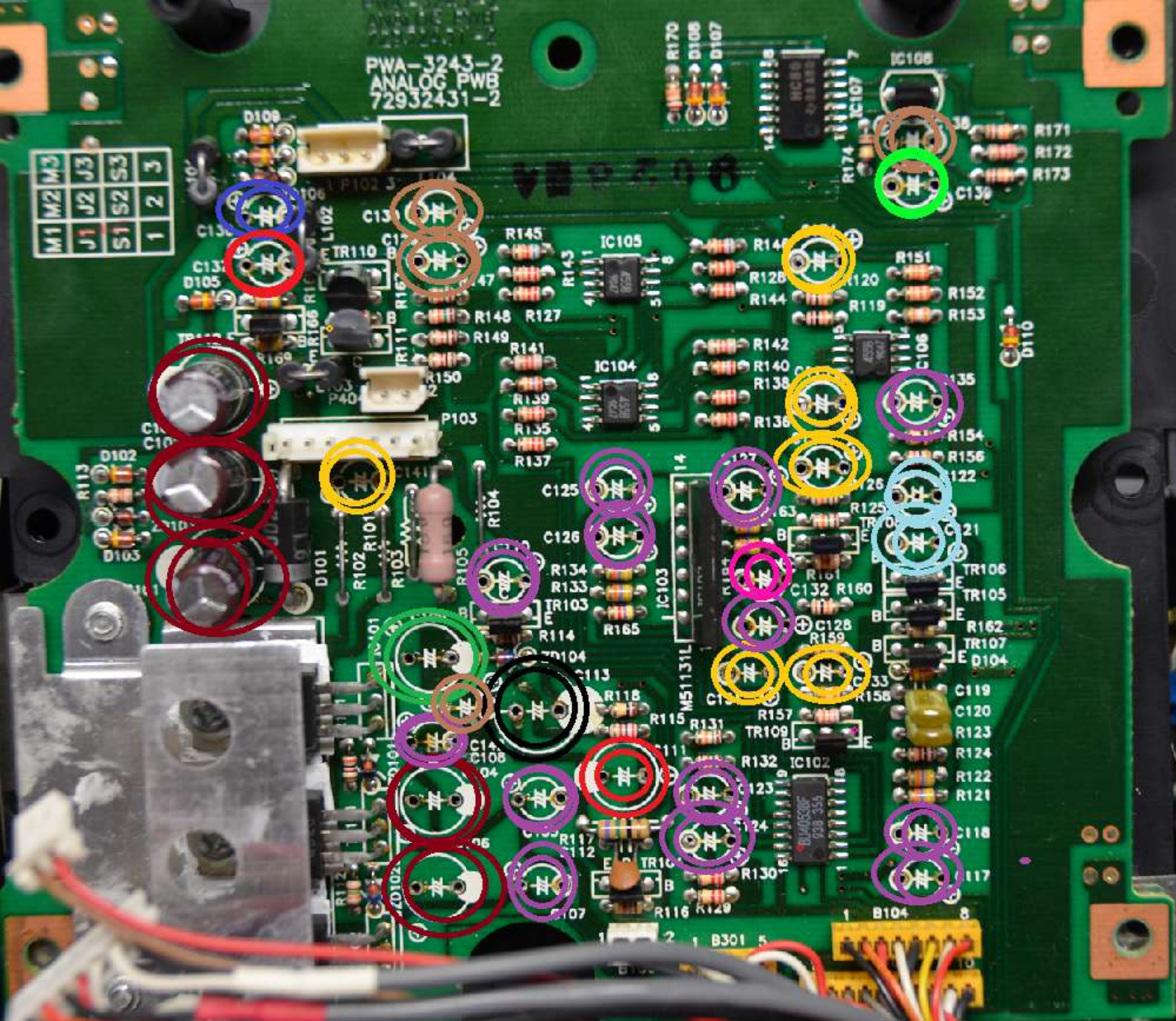
22uf 6.3v x1

33uf 6.3V x1

68uf 6.3v x1

100uf 4v x1

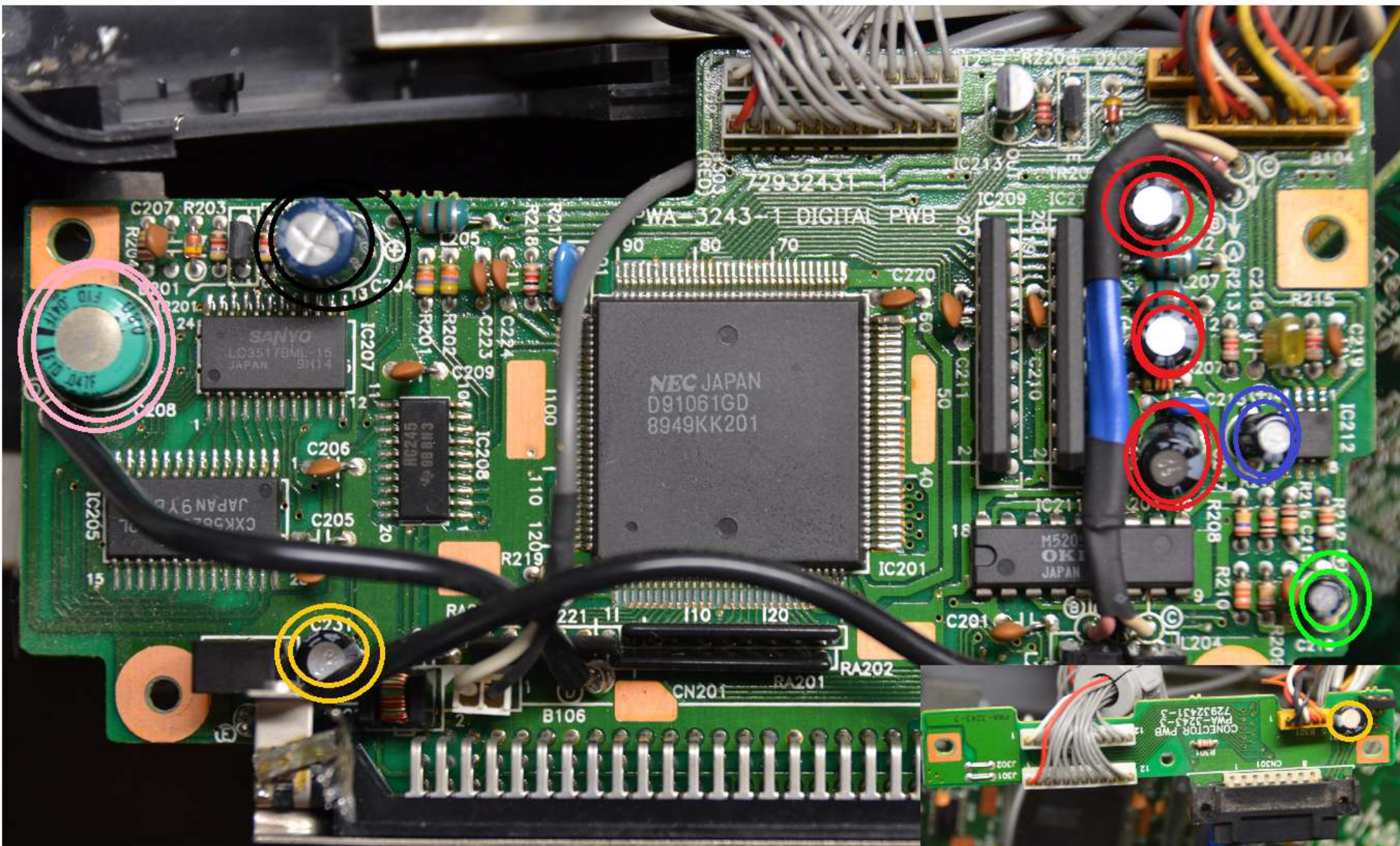
100uf 6.3v



Turbo Grafx 16 Dock Capacitor Chart

C101	330uf	25v
C102	330uf	25v
C103	330uf	25v
C104	330uf	16v
C105	10uf	50v
C106	330uf	16v
C107	10uf	50v
C108	10uf	50v
C109	220uf	16v
C110	10uf	50v
C111	100uf	16v
C113	470uf	16v
C115	47uf	25v
C116	47uf	25v
C117	10uf	50v
C118	10uf	50v
C121	.1uf	50v
C122	.1uf	50v
C123	10uf	50v
C124	10uf	50v
C125	10uf	50v
C126	10uf	50v
C127	10uf	50v
C128	10uf	50v
C129	1uf	50v
C130	1uf	50v
C131	47uf	25v
C132	22uf	25v
C133	47uf	10v
C134	47uf	10v
C135	10uf	50v
C136	4.7uf	25v
C137	100uf	10v
C138	1uf	50v
C139	2.2uf	50v
C141	47uf	25v
C142	1uf	50v

Turbo Grafx 16 Dock Capacitor Chart



Digital PCB

C204 470uf 6.3v
C212 100uf 10v
C214 100uf 10v
C216 2.2uf 50v
C217 4.7uf 50v
C222 100uf 10v
C231 47uf 16v

Connector PWB

C301 47uf 16v

Super Cap
0.47uf 5.5v

Turbo Duo and PC Engine Duo Cap Replacement Chart

● 3.3uF 50V (x1)

● 22uF (x19)

● 220uF (x1)

● 1000uF (x1)

● 4.7uF (x4)

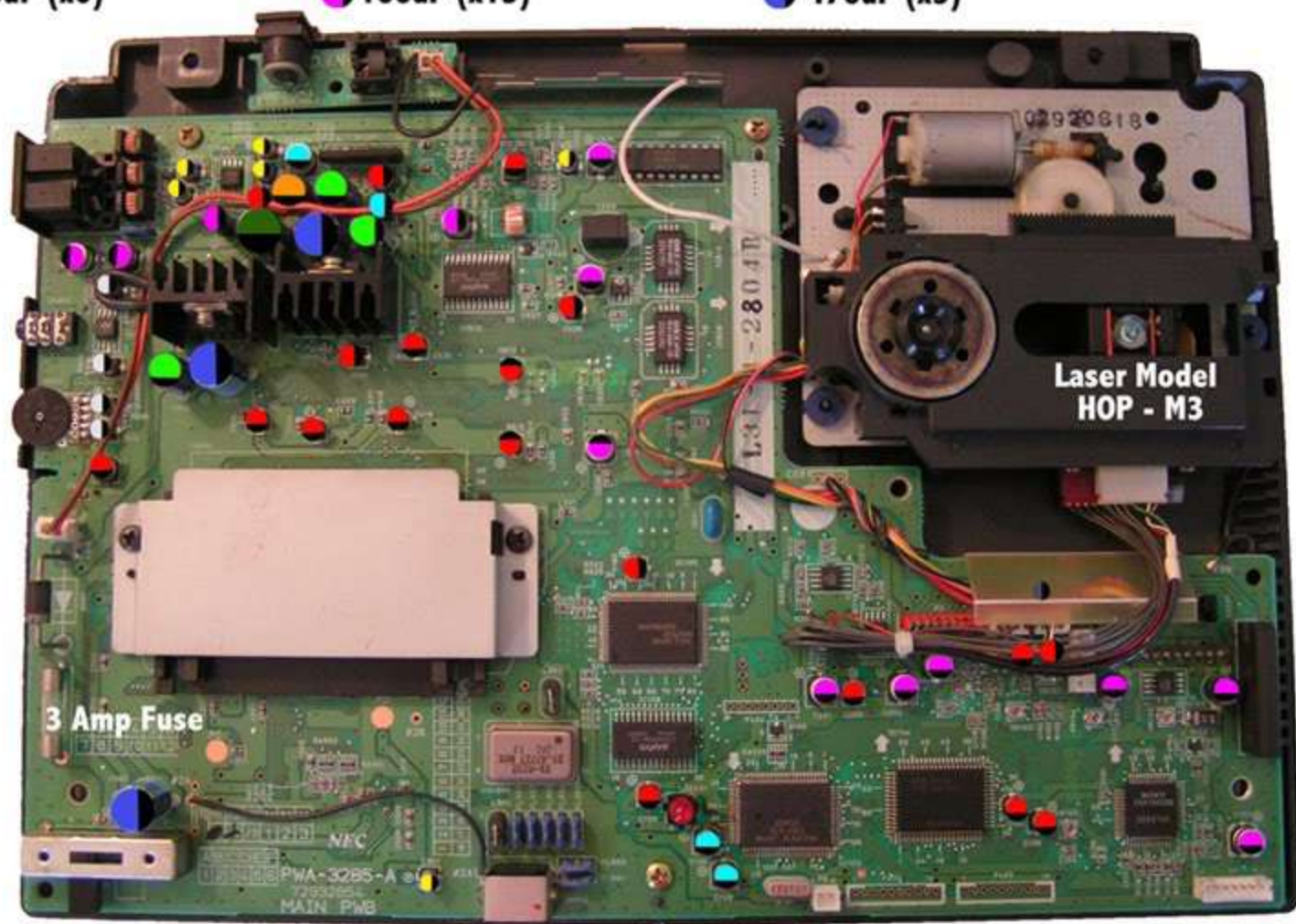
● 47uF (x4)

● 330uF (x3)

● 10uF (x6)

● 100uF (x13) *

● 470uF (x3)



* C325 is 10V

Red Ghost - www.pcenginefx.com



1UF 50V x 8

10UF 16V x3

22UF 16V x1

22UF 25V* x1 Power Board.

47UF 16V x1

100UF 16V x1

100UF 25V x1

RetroRepairNSales



1UF 50V x 8

10UF 16V x3

22UF 16V x1

22UF 25V* x1 Power Board.

47UF 16V x1

100UF 16V x1

100UF 25V x1

RetroRepairNSales

837-7719-01 IC BD GG MAIN USA
837-7996 IC BD GG MAIN EUROPE



Do not obstruct these areas on the PCB.
Rear case supports sit flush to these areas.

TW-10794V-0

Game Gear VA1, 2 ASIC
Capacitor Map
Most recent version and
parts list at:
<http://console5.com>
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VA1 Twin Cap chart

0.47uf 50v x2

4.7uf 35v x1

10uf 6.3v x3

22uf 6.3v x1

33uf 6.3v x1

68uf 6.3v x1

100uf 6.3v x2

