

FUSE LIST

The diagram illustrates the PCB layout for the Fliptronic II Controller Board, divided into three main functional areas:

- Audio Board:** Contains two vertical component columns. The left column has F904 and F903, and the right column has F902 and F901.
- Dot Matrix Controller Board:** Contains two horizontal component columns. The top column has F602, and the bottom column has F601.
- Power Driver Board:** Contains several component columns. On the left, a vertical column has F108, F107, and F106. To its right is a horizontal column with F109 and F110. In the center, a vertical column has F101, F102, F103, F104, and F105. To the right of this is a horizontal column with F115. On the far right, a vertical column has F111, F112, F113, and F114.

<u>Fliptronic II Controller Board</u>		
F901	Upper Right Flipper	3A, 250V, SB
F902	Upper Left Flipper	3A, 250V, SB
F903	Lower Right Flipper	3A, 250V, SB
F904	Lower Left Flipper	3A, 250V, SB

Sol No.	Function	Solenoid Type	Voltage Connections			Drive Xistor	Drive Connections			Drive Wire Color	Coil/Flashlamp Type	
			Playfield	Backbox	Cabinet		Playfield	Backbox	Cabinet		Playfield	Backbox
01	Auto Plunger	High Power	J107-2			Q82	J130-1			VIO-BRN	AE-23-800	
02	Upper Popper	High Power	J107-2			Q80	J130-2			VIO-RED	AE-24-900	
03	Upper Eject	High Power	J107-2			Q78	J130-4			VIO-ORG	AE-26-1200	
04	Lower Eject	High Power	J107-2			Q76	J130-5			VIO-YEL	AE-28-1500	
05	Turbo Popper	High Power	J107-2			Q64	J130-6			VIO-GRN	AE-24-900	
06	Not Used	High Power				Q66				VIO-BLU		
07	Knocker	High Power		J107-2		Q68		J130-8		VIO-BLK		AE-23-800
08	Left Jet Bumper	High Power	J107-2			Q70	J130-9			VIO-GRY	AE-26-1200	
09	Right Jet Bumper	Low Power	J107-3			Q58	J127-1			BRN-BLK	AE-26-1200	
10	Center Jet Bumper	Low Power	J107-3			Q56	J127-3			BRN-RED	AE-26-1200	
11	Left Slingshot	Low Power	J107-3			Q54	J127-4			BRN-ORG	AE-26-1200	
12	Right Slingshot	Low Power	J107-3			Q52	J127-5			BRN-YEL	AE-26-1200	
13	Trough	Low Power	J107-3			Q50	J127-6			BRN-GRN	AE-26-1500	
14	Upper Popper Flasher	Low Power	J107-6			Q48	J127-7			BRN-BLU	#906	
15	Top Left Corner Flasher	Low Power	J107-6			Q46	J127-8			BRN-VIO	#906	
16	Top Right Corner Flasher	Low Power	J107-6			Q44	J127-9			BRN-GRY	#906	
17	Turbo Motor	Flasher	J116-2			Q42	J126-1			BLK-BRN	14-8021.1	
18	Race Track Motor	Flasher	J116-2			Q40	J126-2			BLK-RED	14-8022	
19	Orange Car Flasher	Flasher	J107-6			Q38	J126-3			BLK-ORG	#906	
20	Yellow Car Flasher	Flasher	J107-6			Q36	J126-4			BLK-YEL	#906	
21	Blue Car Flasher	Flasher	J107-6			Q28	J126-5			BLU-GRN	#906	
22	Green Car Flasher	Flasher	J107-6			Q30	J126-6			BLU-BLK	#906	
23	Left Jet Bumper Flasher	Flasher	J107-6			Q34	J126-7			BLU-VIO	#906	
24	Right Jet Bumper Flasher	Flasher	J107-6			Q32	J126-8			BLU-GRY	#906	
25	Center Jet Bumper Flasher	Gen. Purpose	J107-6			Q26	J122-1			BLU-BRN	#906	
26	Right Side Flasher	Gen. Purpose	J107-6			Q24	J122-2			BLU-RED	#906	
27	Left Side Flasher	Gen. Purpose	J107-6			Q22	J122-3			BLU-ORG	#906 (2)	
28	Right Ramp Enter Flasher	Gen. Purpose	J107-6			Q20	J122-4			BLU-YEL	#906	

LAMP MATRIX

Column Row	1 Yellow-Brown J137-1 Q98	2 Yellow-Red J137-2 Q97	3 Yellow-Orange J137-3 Q96	4 Yellow-Black J137-4 Q95	5 Yellow-Green J137-5 Q94	6 Yellow-Blue J137-6 Q93	7 Yellow-Violet J137-7 Q92	8 Yellow-Grey J137-9 Q91
1 Red-Brown J133-1 Q90	Left Lane 11	Turbo Lock 1 21	Hit The "Wall" 31	Super Jets 41	Dueling Drivers 51	Change Setup 61	Lightup 1 Lower Right 71	Lightup 3 Lower Right 81
2 Red-Black J133-2 Q89	Center Lane 12	Turbo Lock 2 22	Hit "The" Wall 32	Turbo Boost 42	Super Lightups 52	Award Speedway 62	Lightup 1 Upper Right 72	Lightup 3 Upper Right 82
3 Red-Orange J133-4 Q88	Right Lane 13	Turbo Lock 3 23	"Hit" The Wall 33	Checkered Flag 43	Caution Flag 53	Hit The Wall 63	Lightup 1 Upper Left 73	Lightup 3 Upper Left 83
4 Red-Yellow J133-5 Q87	Upper Eject Top 14	Light Lock Lamp 24	Left Ramp Jackpot 34	Go For The Pole 44	Extra Ball Flag 54	Right Ramp Jackpot 64	Lightup 1 Lower Left 74	Lightup 3 Lower Left 84
5 Red-Green J133-6 Q86	Jet Wrench 15	Light Speedway 25	Increase Boost 35	Quick Pit 45	Wrong Turn 55	Pit Stop 65	Lightup 2 Lower Right 75	Not Used 85
6 Red-Blue J133-7 Q85	Extra Ball 16	"Pass" 26	Souvenir Lamp 36	3X Playfield 46	Gasoline Alley 56	Fast Laps 66	Lightup 2 Upper Right 76	Launch Button 86
7 Red-Violet J133-8 Q84	Victory Lap 17	Left Ramp Wrench 27	Left Flipper Lane 37	Upper Right Flipper Wrench 47	Right Outlane 57	Not Used 67	Lightup 2 Upper Left 77	Buy-In Button 87
8 Red-Grey J133-9 Q83	Turbo Wrench 18	Left Ramp Stand-up 28	Left Outlane 38	Right Flipper Lane 48	Shoot Again 58	Not Used 68	Lightup 2 Lower Left 78	Start Button 88

J1XX = Power Driver Board

DEDICATED GROUNDED SWITCHES		Column Row	1 Green-Brown J206-1 U20-18	2 Green-Red J206-2 U20-17	3 Green-Orange j206-3 U20-16	4 Green-Yellow j206-4 U20-15	5 Green-Black j206-5 U20-14	6 Green-Blue J206-6 U20-13	7 Green-Violet J206-7 U20-12	8 Green-Grey J206-9 U20-11	FLIPPER GROUNDED SWITCHES	
Orange-Brown J205-1 LEFT COIN CHUTE		1	White-Brown J208-1 U18-11	Ball Launch	Slam Tilt	Three Bank Center	Top Trough	Left Lane	Upper Popper	Not Used	Not Used	Black-Green J906-1 Lower Right Flipper E.O.S.
D1				11	21	31	41	51	61	71	81	F1
Orange-Red J205-2 CENTER COIN CHUTE		2	White-Red J208-2 U18-9	Not Used	Coin Door Closed	Three Bank Lower	Trough 1 (Right)	Center Lane	Turbo Popper	Left Jet Bumper	Not Used	Black-Violet J905-1 Lower Right Flipper Opto
D2				12	22	32	42	52	62	72	82	F2
Orange-Black J205-3 RIGHT COIN CHUTE		3	White-Orange J208-3 U18-5	Start Button	Buy-in Button	Not Used	Trough 2	Right Lane	Turbo Ball Sense	Right Jet Bumper	Not Used	Black-Blue J906-3 Lower Left Flipper E.O.S.
D3				13	23	33	43	53	63	73	83	F3
Orange-Yellow J205-4 4 TH COIN CHUTE		4	White-Yellow J208-4 U18-7	Plumb Bob Tilt	Always Closed	Right Flipper Wrench	Trough 3	Ten Point	Upper Eject	Center Jet Bumper	Not Used	Black-Gray J905-2 Lower Left Flipper Opto
D4				14	24	34	44	54	64	74	84	F4
Orange-Green J205-6		5	White-Green J208-5 U19-11	Left Outlane	Shooter Lane	Left Ramp Enter	Trough 4 (Left)	Left Ramp Wrench	Lower Kicker	Right Ramp Enter	Not Used	Black-Violet J906-4 Upper Right Flipper E.O.S.
Normal Function Srv Credits	Test Function Escape											
D5				15	25	35	45	55	65	75	85	F5
Orange-Blue J205-7		6	White-Blue J208-7 U19-9	Left Flipper Lane	Left Slingshot	Left Ramp Made	Left Ramp Stand-up	Left Lightup	Turbo Index	Right Ramp Made	Not Used	Black-Yellow J905-3 Upper Right Flipper Opto
Normal Function Volume Dn	Test Function Volume Dn											
D6				16	26	36	46	56	66	76	86	F6
Orange-Violet J205-8		7	White-Violet J208-8 U19-5	Right Flipper Lane	Right Slingshot	Left Loop	Turbo Wrench	Center Lightup	Not Used	Not Used	Not Used	Black-Gray J906-5 Upper Left Flipper E.O.S. (Not Used)
Normal Function Volume Up	Test Function Volume Up											
D7				17	27	37	47	57	67	77	87	F7
Orange-Grey J205-9		8	White-Grey J208-9 U19-7	Right Outlane	Three Bank Upper	Right Loop	Jet Bumper Wrench	Right Lightup	Not Used	Not Used	Not Used	Black-Blue J905-5 Upper Left Flipper Opto (Not Used)
Normal Function Begin Test	Test Function Enter											
D8				18	28	38	48	58	68	78	88	F8

J2XX = CPU Board; J9XX = Fliptronic II Board;

= OPTO, TYPICALLY CLOSED