



FUSES

Fuse Name	Fuse Rating	Voltage	Type	Fuse Voltage
Coil Driver C5	6.3 Amp	48 VDC	5x20 Slow Blow	250 Volt
	6.3 Amp	48 VDC	5x20 Slow Blow	250 Volt
Coil Driver C6	6.3 Amp	48 VDC	5x20 Slow Blow	250 Volt
	4 Amp	12 VDC	5x20 Slow Blow	250 Volt
Main Fuse	6 Amp (US)	120 VAC OR 230 VAC	3AG Slow Blow	250 Volt
	3 Amp (EU)			
Add On Board F1	4 Amp	12 VDC	5x20 Slow Blow	250 Volt
Add On Board F2	4 Amp	48 VDC	5x20 Slow Blow	250 Volt

Board C5 - Dip Switch 1,3 ON				Coil Locations				Q = Transistor IRL540N								
	BRN	BLK	BRN	GRY	BRN	RED	BRN	ORG	BRN	YEL	BRN	GRN	BRN	BLU	BRN	VIO
48v Power	Pin#1	Pin#3	Pin#4	Pin#5	Pin#6	Pin#7	Pin#8	Pin#9								
	Auto Fire	Through Kicker	Lower Catapult	Right flipper Main	Right flipper Hold	Left Flipper Main	Left Flipper Hold	Left Slingshot								
	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8								
	BLU	BLK	BLU	BRN	BLU	RED	BLU	ORG	BLU	YEL	BLU	GRN	BLU	GRY	BLU	VIO
48v Power	Pin#1	Pin#2	Pin#4	Pin#5	Pin#6	Pin#7	Pin#8	Pin#9								
	Trunk Diverter	Upper VUK	Subway Release	Scoop	Left Magnet	Right Magnet	Center Magnet	Right Slingshot								
	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16								

Board C6 - Dip Switch 2,3 ON				Coil Locations				Q = Transistor IRL540N								
	BLK	GRY	BLK	BRN	BLK	RED	BLK	ORG	BLK	YEL	BLK	GRN	BLK	BLU	BLK	VIO
12v Power	Pin#1	Pin#3	Pin#4	Pin#5	Pin#6	Pin#7	Pin#8	Pin#9								
	General Illumination	Spotlight lower left	Not Used	Backpanel LED strip	Not Used	Spotlight Lower Right	Spotlight Stage	Spotlight Trunk								
	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8								
	RED	BLK	RED	BRN	RED	GRY	RED	ORG	RED	YEL	RED	GRN	RED	BLU	RED	VIO
48v Power	Pin#1	Pin#2	Pin#4	Pin#5	Pin#6	Pin#7	Pin#8	Pin#9								
	Left Lock Release	Left Popbumper	Right Popbumper	Top Popbumper	UpPost Diverter	Upper Catapult	Trunk Lid	Not Used								
	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16								

Add-on board PCB0021_00				Aux Locations				Q = Transistor IRL540N			
F1 Fuse	VIN-1	BLK 1	YEL 2	BLK	YEL			F2 Fuse	VIN-2	BLK 1	BRN 3
4 amp	12v Power	DRV-1	DRV-2					4 amp	48v Power	DRV-5	
5-20mm		Start Button	Shaker					5-20mm		Knocker	
Slow Blow		Q1	Q2					Slow Blow		Q5	



Switch Locations - Board 0 - Dip switch - All off

Board 0 J2-Bank A	Return 1 Pin 2	Return 2 Pin 3	Return 3 Pin 4	Return 4 Pin 5	Return 5 Pin 6	Return 6 Pin 7	Return 7 Pin 8	Return 8 Pin 9								
Ground	BLK S/U 0	GRY 0	BLK S/U 1	BRN 1	BLK S/U 2	RED 2	BLK S/U 3	ORG 3	BLK S/U 4	YEL 4	BLK S/U 5	GRN 5	BLK S/U 6	BLU 6	BLK S/U 7	VIO 7
BLK - pin 10	(E)scape		e(S)cape		es(C)ape		esc(A)pe		esca(P)e		escap(E)		Left Orbit		Right Orbit	
Board 0 J6-Bank B	Return 1 Pin 2	Return 2 Pin 3	Return 3 Pin 4	Return 4 Pin 5	Return 5 Pin 6	Return 6 Pin 7	Return 7 Pin 8	Return 8 Pin 9								
Ground	BRN Micro 8	BLK 8	BRN Micro 9	GRY 9	BRN S/U 10	RED 10	BRN Leaf 11	ORG 11	BRN Micro 12	YEL 12	BRN Micro 13	GRN 13	BRN 14	BLU 14	BRN Micro 15	VIO 15
BLK - pin 10	Lower Catapult		Milk Can		Left Magic Standup		Left Slingshot		Left In-lane		Left Outlane		Left Flipper EOS		Upper Catapult	

Board 1 - Dip switch 1 ON

Board 1 J2-Bank A X14-Opto	Return 1 Pin 2 on SW-16 Pin10-PlugX9-Opto	Return 2 Pin 3 on SW-16 Pin11-PlugX10-Opto	Return 3 Pin 4 on SW-16	Return 4 Pin 5 on SW-16	Return 5 Pin 6 on SW-16	Return 6 Pin 7 on SW-16	Return 7 Pin 8 on SW-16	Return 8 Pin 9 on SW-16								
Ground	RED Opto 16	BLK 16	RED Opto 17	BRN 17	RED Opto 18	GRY 18	RED Opto 19	ORG 19	RED Micro 20	YEL 20	RED Micro 21	GRN 21	RED Micro 22	BLU 22	RED Micro 23	VIO 23
BLK - pin 10	Ramp Entry		Wire Ramp Exit		Stage Back		Stage		Left lock 1		Left lock 2		Left lock 3		Middle Upper Orbit	
Board 1 J6-Bank B	Return 1 Pin 2	Return 2 Pin 3	Return 3 Pin 4	Return 4 Pin 5	Return 5 Pin 6	Return 6 Pin 7	Return 7 Pin 8	Return 8 Pin 9								
Ground	ORG 24	BLK 24	ORG Micro 25	BRN 25	ORG S/U 26	RED 26	ORG Leaf 27	GRY 27	ORG Leaf 28	YEL 28	ORG Leaf 29	GRN 29	ORG Micro 30	BLU 30	ORG Micro 31	VIO 31
BLK - pin 10	Not Used		VUK		Key Standup		Top Popbumper		Right Popbumper		Left Popbumper		Stage Alley		Key Lane	

Board 2 - Dip switch 2 ON

Board 2 J2-Bank A X14-Opto	Return 1 Pin 2 on SW-16 Pin3-PlugX2-Opto	Return 2 Pin 3 on SW-16 Pin4-PlugX3-Opto	Return 3 Pin 4 on SW-16 Pin5-PlugX4-Opto	Return 4 Pin 5 on SW-16 Pin6-PlugX5-Opto	Return 5 Pin 6 on SW-16 Pin7-PlugX6-Opto	Return 6 Pin 7 on SW-16 Pin8-PlugX7-Opto	Return 7 Pin 8 on SW-16 Pin9-PlugX8-Opto	Return 8 Pin 9 on SW-16								
Ground	YEL Opto 32	BLK 32	YEL Opto 33	BRN 33	YEL Opto 34	RED 34	YEL Opto 35	ORG 35	YEL Opto 36	GRY 36	YEL Opto 37	GRN 37	YEL Opto 38	BLU 38	YEL Leaf 39	VIO 39
BLK - pin 10	Right Lock #1		Right lock #2		Right Lock #3		Magic Shop		Front of Stage		Stage Exit		Trunk		Trunk Lid	
Board 2 J6-Bank B	Return 1 Pin 2	Return 2 Pin 3	Return 3 Pin 4	Return 4 Pin 5	Return 5 Pin 6	Return 6 Pin 7	Return 7 Pin 8	Return 8 Pin 9								
Ground	GRN S/U 40	BLK 40	GRN S/U 41	BRN 41	GRN S/U 42	RED 42	GRN S/U 43	ORG 43	GRN S/U 44	YEL 44	GRN S/U 45	GRY 45	GRN Micro 46	BLU 46	GRN Micro 47	VIO 47
BLK - pin 10	(S)ean ce		s(E)ance		se(A)n ce		sea(N)ce		sean(C)e		sean(C)e		sean(C)e		Right Inner Loop Upper Inner Loop	

Board 3 - Dip switch 1,2,3 ON

Board 3 J2-Bank A	Return 1 Pin 2	Return 2 Pin 3	Return 3 Pin 4	Return 4 Pin 5	Return 5 Pin 6	Return 6 Pin 7	Return 7 Pin 8	Return 8 Pin 9								
Ground	BLU Micro 48	BLK 48	BLU Micro 49	BRN 49	BLU Micro 50	RED 50	BLU Micro 51	ORG 51	BLU Micro 52	YEL 52	BLU Micro 53	GRN 53	BLU Micro 54	GRY 54	BLU Micro 55	VIO 55
BLK - pin 10	Ball Trough #1		Ball Through #2		Ball Trough #3		Ball Through #4		Ball Trough #5		Ball Through #6		Ball Through Jam		Unused	
Board 3 J3-Bank B	Return 1 Pin 2	Return 2 Pin 3	Return 3 Pin 4	Return 4 Pin 5	Return 5 Pin 6	Return 6 Pin 7	Return 7 Pin 8	Return 8 Pin 9								
Ground	VIO Micro 56	BLK 56	VIO Micro 57	BRN 57	VIO Leaf 58	RED 58	VIO Micro 59	ORG 59	VIO Leaf 60	YEL 60	VIO S/U 61	GRY 61	VIO Micro 62	BLU 62	VIO Micro 63	GRY 63
BLK - pin 10	Shooter Lane		Right Outlane		Right Flipper EOS		Right Inlane		Right Slingshot		right magic standup		Scoop		Spinner	

Board 4 - Dip switch 3,8 ON

Board 4 J2-Bank A	Return 1 Pin 2	Return 2 Pin 3	Return 3 Pin 4	Return 4 Pin 5	Return 5 Pin 6	Return 6 Pin 7	Return 7 Pin 8	Return 8 Pin 9								
Ground	WHT Leaf 64	BLK 64	WHT Leaf 65	BRN 65	WHT Micro 66	RED 66	WHT Push 67	ORG 67	WHT Push 68	YEL 68	WHT Push 69	GRN 69	WHT Push 70	BLU 70	WHT N/A 71	VIO 71
BLK - pin 10	Left Flipper button		Right flipper button		Start Button		Enter		Exit		Down		Up		Tilt	
Board 4 J6-Bank B	Return 1 Pin 2	Return 2 Pin 3	Return 3 Pin 4	Return 4 Pin 5	Return 5 Pin 6	Return 6 Pin 7	Return 7 Pin 8	Return 8 Pin 9								
Ground	GRY N/A 72	BLK 72	GRY Push 73	BRN 73	GRY Micro 74	RED 74	GRY Micro 75	ORG 75	GRY Opto 76	YEL 76	GRY Opto 77	GRY 77	GRY Leaf 78	BLU 78	GRY Open 79	WHT 79
BLK - pin 10	Not Used		Not Used		Coin #1		Coin #2		Dollar Bill Acceptor		Not Used		Not Used		Not Used	

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