



FUSES

Fuse Name	Fuse Rating	Voltage	Type	Fuse Voltage
Coil Drive	6.3 Amp	48 VDC	5x20mm Slow Blow	250 Volt
	6.3 Amp	48 VDC	5x20mm Slow Blow	250 Volt
Main Fuse	6 Amp (US) 3 Amp (EU)	120 VAC OR 230 VAC	3AG Slow Blow	250 Volt
Add On Board F1	4 Amp	12 AND 48 VDC	5x20mm Slow Blow	250 Volt
RGB Back Panel	4 Amp	5 VDC	5x20mm Slow Blow	250 Volt

Add-on board PCB0021-02 **Coil Locations** **Q = Transistor IRL540N**

	BRN +	BLK -		RED +	BLK -	RED +	BRN	RED +	GRY	RED +	ORG
48v Power	J10 - Pin2	J10 - Pin3	J10 - Pin4	J10 - Pin5	J11 - Pin3	J11 - Pin4	J11 - Pin5	J11 - Pin6			
	Not Used	KNOCKER	Not Used	Not Used	UPPER MAGNET	RIGHT VUK	LEFT VUK	3 BALL LOCK			
	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15			

Add-on board PCB0021-02 **Aux Locations** **Q = Transistor DMN3404L-7**

	BLK -	YEL +	BLK -	GRY +	BLK -	ORG +	BLK	BLU +			
12v Power	J1	J2	J3	J4	J5	J6	J7				
	START BUTTON	BACKBOX LED	SHAKER MOTOR	BARREL	Not Used	Not Used	Not Used				
	Q1	Q2	Q3	Q4	Q5	Q6	Q7				

Dip Switch 2,3,8 ON **PD-16 Coil Locations** **Q = Transistor IRL540N**

	BLK	GRY	BLK	BRN	BLK	RED	BLK	ORG	BLK	YEL	BLK	GRN	BLK	BLU	BLK	VIO
48v Power BankA - J7	Pin#1	Pin#3	Pin#4	Pin#5	Pin#6	Pin#7	Pin#8	Pin#9								
	LEFT SLINGSHOT	RIGHT SLINGSHOT	LEFT FLIPPER MAIN	LEFT FLIPPER HOLD	DRAIN UP POST MAIN	DRAIN UP POST HOLD	BALL TROUGH	AUTO LAUNCH								
	J3 + ORG	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8							

	GRY	BLK	GRY	BRN	GRY	RED	GRY	ORG	GRY	YEL	GRY	GRN	GRY	BLU	GRY	VIO
48v Power BankB - J11	Pin#1	Pin#2	Pin#4	Pin#5	Pin#6	Pin#7	Pin#8	Pin#9								
	RIGHT FLIPPER MAIN	RIGHT FLIPPER HOLD	CENTER MAGNET	RIGHT MAGNET	RAMP UP POST	CENTER POP BUMPER	LEFT POP BUMPER	RIGHT POP BUMPER								
	J4 + VIO	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16							

Add-on board PCB0021-02 **Coil Locations** **Q = Transistor IRL540N**



AMERICAN PINBALL

Cabinet Switch Board 0 - PCB0021-02

J9 Add-On Board	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 BLK 0	WHT Leaf BRN 1	WHT Leaf RED 2	WHT Push ORG 3	WHT Push YEL 4	WHT Push GRN 5	WHT Push BLU 6	WHT N/A VIO 7
BLK-pin 10	SWI0009-00		SWI0009-00		SWI0009-00			
	Left Flipper button		Right Flipper button		Divertor		Enter	
					Exit		Down	
							Up	
							Tilt	
J8 Add-On Board	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 Push BLK 8	GRY Push BRN 9	GRY Micro RED 10	GRY Micro ORG 11	GRY Opto YEL 12	GRY Opto GRN 13	GRY Leaf BLU 14	GRY Leaf VIO 15
BLK-pin 10	Start Button		Interlock/Dooropen		Coin #1		Coin #2	
					Dollar Bill Acceptor		Coin #4	
							Coin #5	
							N/C	

Yellow/White Switch - Opto Cable WCA0186-00 SW-16 Board 1 - Dip Switch 1 ON

J2 Bank A	Return 1 Pin2 on SW-16	Return 2 Pin3 on SW-16	Return 3 Pin4 on SW-16	Return 4 Pin5 on SW-16	Return 5 Pin6 on SW-16	Return 6 Pin7 on SW-16	Return 7 Pin 8 on SW-16	Return 8 Pin9 on SW-16
Ground	WHT OPTO BLK 16	WHT OPTO BRN 17	WHT OPTO RED 18	WHT OPTO ORG 19	WHT OPTO YEL 20	WHT OPTO GRN 21	WHT OPTO BLU 22	WHT OPTO VIO 23
BLK-pin 10								
Bank B	Return 1	Return 2	Return 3	Return 4	Return 5	Return 6	Return 7	Return 8
Ground	YEL OPTO BLK 24	YEL OPTO BRN 25	YEL OPTO RED 26	YEL OPTO ORG 27	YEL OPTO GRY 31	YEL OPTO GRN 29	YEL OPTO BLU 30	YEL OPTO VIO 31
BLK-pin 10								

Red Switch Cable WCA0184-00 SW-16 Board 2 - Dip Switch ON

J2 Bank A	Return 1 Pin2 on SW-16	Return 2 Pin3 on SW-16	Return 3 Pin4 on SW-16	Return 4 Pin5 on SW-16	Return 5 Pin6 on SW-16	Return 6 Pin7 on SW-16	Return 7 Pin 8 on SW-16	Return 8 Pin9 on SW-16
Ground	RED Micro BLK 32	RED S/U BRN 33	RED S/U GRY 34	RED S/U ORG 35	RED S/U YEL 36	RED Micro GRN 37	GRN BLU 38	RED Micro VIO 39
BLK-pin 10	SWI0001-00		SWIF0011-02		SWIF0011-02		SWIF0011-02	
			DCL0031-07		DCL0031-07		DCL0031-07	
					LEFT VUK		N/A	
							SWI0001-00	

Gray Switch Cable WCA0190-00 SW-16 Board 2 - Dip Switch ON

J6 Bank B	Return 1 Pin2 on SW-16	Return 2 Pin3 on SW-16	Return 3 Pin4 on SW-16	Return 4 Pin5 on SW-16	Return 5 Pin6 on SW-16	Return 6 Pin7 on SW-16	Return 7 Pin 8 on SW-16	Return 8 Pin9 on SW-16
Ground	GRY Leaf BLK 40	GRY Leaf BRN 41	GRY Leaf RED 42	GRY Micro ORG 43	GRY Micro YEL 44	GRY Micro GRN 45	GRY S/U BLU 46	GRY VIO 47
BLK-pin 10	LEFT POP BUMPER		CENTER POP BUMPER		RIGHT POP BUMPER		N/A	
	SWI0019-01		SWI0019-01		SWI0019-01		SWIF0011-09	
							DCL0031-07	
							N/A	

Brown Switch Cable WCA0183-00 SW-16 Board 3 - Dip Switch ON

J2 Bank A	Return 1 Pin2 on SW-16	Return 2 Pin3 on SW-16	Return 3 Pin4 on SW-16	Return 4 Pin5 on SW-16	Return 5 Pin6 on SW-16	Return 6 Pin7 on SW-16	Return 7 Pin 8 on SW-16	Return 8 Pin9 on SW-16
Ground	BRN S/U BLK 48	BRN S/U BRN 49	BRN S/U RED 50	BRN ORG 51	BRN S/U YEL 52	BRN S/U GRN 53	BRN S/U BLU 54	BRN S/U VIO 55
BLK-pin 10	STAND LEFT 1		STAND LEFT 2		STAND LEFT 3		LEFT SPINNER	
	SWIF0011-09		SWIF0011-09		SWIF0011-09		SWI0005-00	
	DCL0031-08		DCL0031-08		DCL0031-08		SWIF0015-05	
					AIR		AIR	
							POP BUMPER BANK 1	
							POP BUMPER BANK 2	
							SWIF0011-02	
							DCL0031-07	
							DCL0031-07	

Orange Switch Cable WCA0185-00 SW-16 Board 3 - Dip Switch ON

J6 Bank A	Return 1 Pin2 on SW-16	Return 2 Pin3 on SW-16	Return 3 Pin4 on SW-16	Return 4 Pin5 on SW-16	Return 5 Pin6 on SW-16	Return 6 Pin7 on SW-16	Return 7 Pin 8 on SW-16	Return 8 Pin9 on SW-16
Ground	ORG S/U BLK 56	ORG S/U BRN 57	ORG Micro RED 58	ORG Micro GRY 59	ORG Micro YEL 60	ORG GRN 61	ORG BLU 62	ORG VIO 63
BLK-pin 10	POP RIGHT BANK 4		POP RIGHT BANK 3		ADVANCE BANK LEFT		ADVANCE BANK RIGHT	
	SWIF0011-02		SWIF0011-02		SWI0001-00		SWI0001-00	
	DCL0031-07		DCL0031-07		SWI0001-00		SWI0005-00	
					RIGHT ORBIT EXIT		RIGHT SPINNER	
							N/A	
							N/A	



Violet Switch Cable WCA0189-00 SW-16 Board 4 - Dip Switch ON

J2 Bank A	Return 1 Pin2 on SW-16		Return 2 Pin3 on SW-16		Return 3 Pin4 on SW-16		Return 4 Pin5 on SW-16		Return 5 Pin6 on SW-16		Return 6 Pin7 on SW-16		Return 7 Pin 8 on SW-16		Return 8 Pin9 on SW-16	
Ground	VIO S/U	BLK 64	VIO S/U	BRN 65	VIO S/U	RED 66	VIO S/U	ORG 67	VIO S/U	YEL 68	VIO S/U	GRN 69	VIO Leaf	BLU 70	VIO Micro	GRY 71
BLK-pin 10	BASM0123-00		BASM0123-00		BASM0123-00		BASM0123-00		BASM0123-00		SWIR0031-09		BASM0122-00			
	TANK 1		TANK 2		TANK 3		TANK 4		TANK 5		COW		COW REBOUND		RIGHT VUK	
	DCL0031-16		DCL0031-17		DCL0031-18		DCL0031-19		DCL0031-20							

Green Switch Cable WCA0187-00 SW-16 Board 4 - Dip Switch ON

J6 Bank B	Return 1 Pin2 on SW-16		Return 2 Pin3 on SW-16		Return 3 Pin4 on SW-16		Return 4 Pin5 on SW-16		Return 5 Pin6 on SW-16		Return 6 Pin7 on SW-16		Return 7 Pin 8 on SW-16		Return 8 Pin9 on SW-16	
Ground	GRN Micro	BLK 72	GRN Micro	BRN 73	GRN S/U	RED 74	GRN S/U	ORG 75	GRN S/U	YEL 76	GRN S/U	GRY 77	GRN Micro	BLU 78	GRN Leaf	VIO 79
BLK-pin 10	SWI0001-00		SWI0001-00		SWIF0011-09		SWIF0011-09		SWIF0011-09		SWIF0015-05		SWI0001-00		BASM0004-01	
	RIGHT INLANE		RIGHT OUTLANE		STAND RIGHT 1		STAND RIGHT 2		STAND RIGHT 3		AIR		RIGHT ORBIT ENTER		RIGHT SLING SHOT	
					DCL0031-08		DCL0031-08		DCL0031-08							

Black Switch Cable WCA0182-00 SW-16 Board 5 - Dip Switch ON

J2 Bank A	Return 1 Pin2 on SW-16		Return 2 Pin3 on SW-16		Return 3 Pin4 on SW-16		Return 4 Pin5 on SW-16		Return 5 Pin6 on SW-16		Return 6 Pin7 on SW-16		Return 7 Pin 8 on SW-16		Return 8 Pin9 on SW-16	
Ground	BLK Micro	GRY 80	BLK Micro	BRN 81	BLK Leaf	RED 82	BLK Leaf	ORG 83	BLK Micro	YEL 84	BLK Micro	GRN 85	BLK Leaf	BLU 86	BLK	VIO 87
BLK-pin 10	SWI0001-00		SWI0001-00		BASM0004-01		BASM0001-00		SWI0001-00		SWI0001-00		BASM0002-00		N/A	
	LEFT OUTLANE		LEFT INLANE		LEFT SLING SHOT		LEFT FLIPPER EOS		LEFT FLIPPER SAVE		RIGHT FLIPPER SAVE		RIGHT FLIPPER EOS		N/A	

Blue Switch Cable WCA0188-00 SW-16 Board 5 - Dip Switch ON

J6 Bank B	Return 1 Pin2 on SW-16		Return 2 Pin3 on SW-16		Return 3 Pin4 on SW-16		Return 4 Pin5 on SW-16		Return 5 Pin6 on SW-16		Return 6 Pin7 on SW-16		Return 7 Pin 8 on SW-16		Return 8 Pin9 on SW-16	
Ground	BLU	BLK 88	BLU	BRN 89	BLU	RED 90	BLU	ORG 91	BLU Micro	YEL 92	BLU Micro	GRN 93	BLU	GRY 94	BLU Micro	VIO 95
BLK-pin 10	OPTO		OPTO		OPTO		OPTO		OPTO		OPTO		OPTO		SWI0002-00	
	Ball Trough 1		Ball Trough 2		Ball Trough 3		Ball Trough 4		Ball Trough 5		Ball Trough 6		Ball Trough Jam		SHOOTER LANE	

