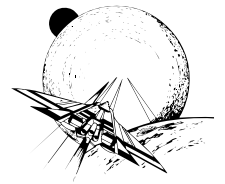


FIREPOWER

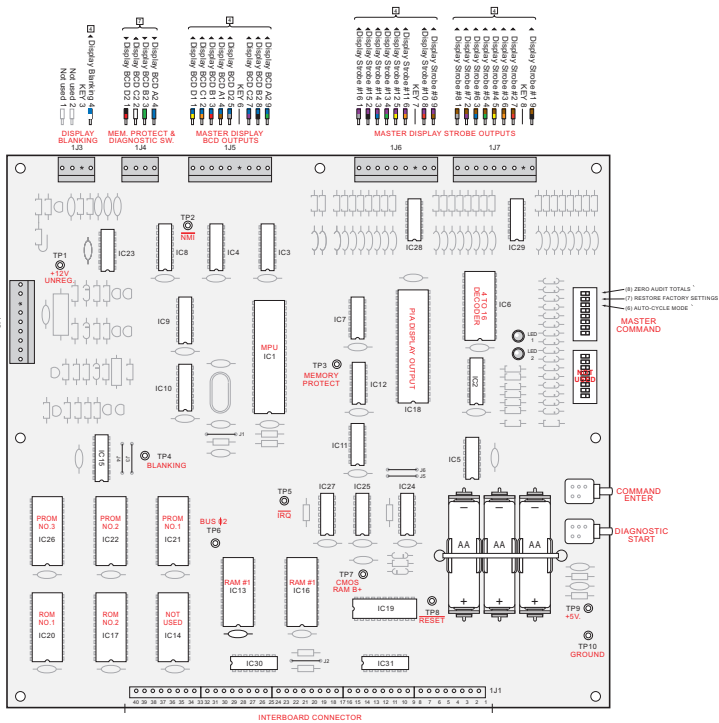
Backbox Wiring Diagram



- BOARD CONNECTIONS:**
- 1 CPU BOARD
 - 2 DRIVER BOARD
 - 3 POWER SUPPLY BOARD
 - 4 MASTER DISPLAY BOARD
 - 5 SLAVE DISPLAY BOARD
 - 6 BACKBOX
 - 7 CABINET
 - 8 PLAYFIELD
 - 9 INSERT BOARD
 - 10 SOUND BOARD
 - 11 NOT ASSIGNED
 - 12 SPEECH MODULE

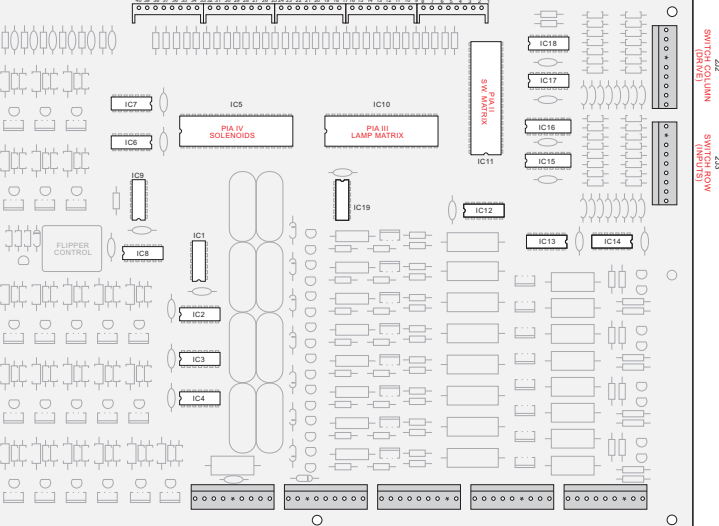
- LOGIC POWER**
- Logic B+ (+12V Unregulated) 9
 - Not used 8
 - KEY 7
 - Logic B+ (+5 VDC) 6
 - Logic B+ (+5 VDC) 5
 - Logic B+ (+5 VDC) 4
 - Logic Ground 3
 - Logic Ground 2
 - Logic Ground 1

1 CPU BOARD

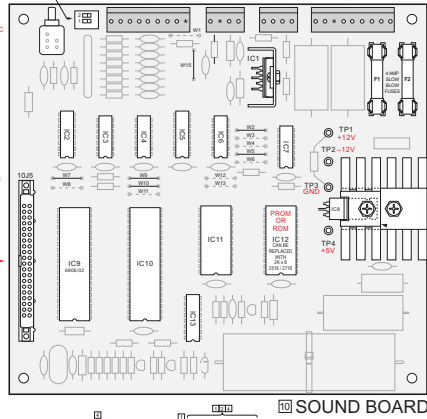
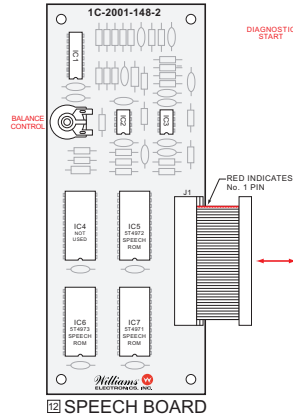


- SPECIAL SWITCH INPUTS**
- Special Switch 6 9
 - Special Switch 5 8
 - Not Used 7
 - Not Used 6
 - Special Switch 4 4
 - Special Switch 1 1
 - Special Switch 2 2
 - Special Switch 3 3
 - KEY 1
- SOLENOID DRIVE**
- Special Solenoid 2 Bottom Left Jet Bumper Q419 4
 - Special Solenoid 3 Top Right Jet Bumper Q419 3
 - Special Solenoid 4 Bottom Right Jet Bumper Q217 6
 - Special Solenoid 5 Right Eject Hole Q235 5
 - Special Solenoid 6 Left Eject Hole Q214 4
 - Special Solenoid 7 Left Ball Saver Kicker Q277 7
 - Special Solenoid 8 Ball Ramp Thrower Q298 8
 - Special Solenoid 9 Sound Q319 9
 - Special Solenoid 10 Sound Q331 10
 - Special Solenoid 11 Sound Q351 11
 - Special Solenoid 12 Sound Q371 12
 - Special Solenoid 13 Sound Q391 13
 - Special Solenoid 14 Credit Knocker Q411 14
 - Special Solenoid 15 Flash Lamps Q431 15
 - Special Solenoid 16 Coin Lockout Q451 16
- SOLENOID DRIVE**
- Solenoid Ground 9
 - Solenoid Ground 8
 - Solenoid Ground 7
 - Solenoid Ground 6
 - Solenoid Ground 5
 - Solenoid Ground 4
 - Solenoid Ground 3
 - Solenoid Ground 2
 - Solenoid Ground 1
- SOLENOID DRIVE**
- Solenoid 9 Sound Q319 9
 - KEY 8
 - Solenoid 10 Sound Q331 10
 - Solenoid 11 Sound Q351 11
 - Solenoid 12 Sound Q371 12
 - Solenoid 13 Sound Q391 13
 - Solenoid 14 Credit Knocker Q411 14
 - Solenoid 15 Flash Lamps Q431 15
 - Solenoid 16 Coin Lockout Q451 16

2 DRIVER BOARD



- LOGIC POWER**
- Logic B+ (+12V Unregulated) 9
 - Not used 8
 - KEY 7
 - Logic B+ (+5 VDC) 6
 - Logic B+ (+5 VDC) 5
 - Logic B+ (+5 VDC) 4
 - Logic Ground 3
 - Logic Ground 2
 - Logic Ground 1
- LAMP ROWS DRIVE**
- Lamp Row 1 1
 - Lamp Row 2 2
 - Lamp Row 3 3
 - Lamp Row 4 4
 - Lamp Row 5 5
 - Lamp Row 6 6
 - Lamp Row 7 7
 - Lamp Row 8 8
 - Lamp Row 9 9
 - Lamp Row 10 10
 - Lamp Row 11 11
 - Lamp Row 12 12
 - Lamp Row 13 13
 - Lamp Row 14 14
 - Lamp Row 15 15
 - Lamp Row 16 16
 - Lamp Row 17 17
 - Lamp Row 18 18
 - Lamp Row 19 19
 - Lamp Row 20 20
 - Lamp Row 21 21
 - Lamp Row 22 22
 - Lamp Row 23 23
 - Lamp Row 24 24
 - Lamp Row 25 25
 - Lamp Row 26 26
 - Lamp Row 27 27
 - Lamp Row 28 28
 - Lamp Row 29 29
 - Lamp Row 30 30
 - Lamp Row 31 31
 - Lamp Row 32 32
 - Lamp Row 33 33
 - Lamp Row 34 34
 - Lamp Row 35 35
 - Lamp Row 36 36
 - Lamp Row 37 37
 - Lamp Row 38 38
 - Lamp Row 39 39
 - Lamp Row 40 40
 - Lamp Row 41 41
 - Lamp Row 42 42
 - Lamp Row 43 43
 - Lamp Row 44 44
 - Lamp Row 45 45
 - Lamp Row 46 46
 - Lamp Row 47 47
 - Lamp Row 48 48
 - Lamp Row 49 49
 - Lamp Row 50 50
 - Lamp Row 51 51
 - Lamp Row 52 52
 - Lamp Row 53 53
 - Lamp Row 54 54
 - Lamp Row 55 55
 - Lamp Row 56 56
 - Lamp Row 57 57
 - Lamp Row 58 58
 - Lamp Row 59 59
 - Lamp Row 60 60
 - Lamp Row 61 61
 - Lamp Row 62 62
 - Lamp Row 63 63
 - Lamp Row 64 64
 - Lamp Row 65 65
 - Lamp Row 66 66
 - Lamp Row 67 67
 - Lamp Row 68 68
 - Lamp Row 69 69
 - Lamp Row 70 70
 - Lamp Row 71 71
 - Lamp Row 72 72
 - Lamp Row 73 73
 - Lamp Row 74 74
 - Lamp Row 75 75
 - Lamp Row 76 76
 - Lamp Row 77 77
 - Lamp Row 78 78
 - Lamp Row 79 79
 - Lamp Row 80 80
 - Lamp Row 81 81
 - Lamp Row 82 82
 - Lamp Row 83 83
 - Lamp Row 84 84
 - Lamp Row 85 85
 - Lamp Row 86 86
 - Lamp Row 87 87
 - Lamp Row 88 88
 - Lamp Row 89 89
 - Lamp Row 90 90
 - Lamp Row 91 91
 - Lamp Row 92 92
 - Lamp Row 93 93
 - Lamp Row 94 94
 - Lamp Row 95 95
 - Lamp Row 96 96
 - Lamp Row 97 97
 - Lamp Row 98 98
 - Lamp Row 99 99
 - Lamp Row 100 100
- LAMP GROUND**
- Lamp Ground 1 1
 - Lamp Ground 2 2
 - Lamp Ground 3 3
 - Lamp Ground 4 4
 - Lamp Ground 5 5
 - Lamp Ground 6 6
 - Lamp Ground 7 7
 - Lamp Ground 8 8
 - Lamp Ground 9 9
 - Lamp Ground 10 10
 - Lamp Ground 11 11
 - Lamp Ground 12 12
 - Lamp Ground 13 13
 - Lamp Ground 14 14
 - Lamp Ground 15 15
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 - Lamp Ground 18 18
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 - Lamp Ground 20 20
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 - Lamp Ground 22 22
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 - Lamp Ground 28 28
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 - Lamp Ground 32 32
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 - Lamp Ground 35 35
 - Lamp Ground 36 36
 - Lamp Ground 37 37
 - Lamp Ground 38 38
 - Lamp Ground 39 39
 - Lamp Ground 40 40
 - Lamp Ground 41 41
 - Lamp Ground 42 42
 - Lamp Ground 43 43
 - Lamp Ground 44 44
 - Lamp Ground 45 45
 - Lamp Ground 46 46
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 - Lamp Ground 69 69
 - Lamp Ground 70 70
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 - Lamp Ground 72 72
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 - Lamp Ground 74 74
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 - Lamp Ground 92 92
 - Lamp Ground 93 93
 - Lamp Ground 94 94
 - Lamp Ground 95 95
 - Lamp Ground 96 96
 - Lamp Ground 97 97
 - Lamp Ground 98 98
 - Lamp Ground 99 99
 - Lamp Ground 100 100
- LAMP COLUMN**
- Lamp Column 1 1
 - Lamp Column 2 2
 - Lamp Column 3 3
 - Lamp Column 4 4
 - Lamp Column 5 5
 - Lamp Column 6 6
 - Lamp Column 7 7
 - Lamp Column 8 8
 - Lamp Column 9 9
 - Lamp Column 10 10
 - Lamp Column 11 11
 - Lamp Column 12 12
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 - Lamp Column 92 92
 - Lamp Column 93 93
 - Lamp Column 94 94
 - Lamp Column 95 95
 - Lamp Column 96 96
 - Lamp Column 97 97
 - Lamp Column 98 98
 - Lamp Column 99 99
 - Lamp Column 100 100
- LAMP B+**
- Lamp B+ 1 1
 - Lamp B+ 2 2
 - Lamp B+ 3 3
 - Lamp B+ 4 4
 - Lamp B+ 5 5
 - Lamp B+ 6 6
 - Lamp B+ 7 7
 - Lamp B+ 8 8
 - Lamp B+ 9 9
 - Lamp B+ 10 10
 - Lamp B+ 11 11
 - Lamp B+ 12 12
 - Lamp B+ 13 13
 - Lamp B+ 14 14
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 - Lamp B+ 99 99
 - Lamp B+ 100 100

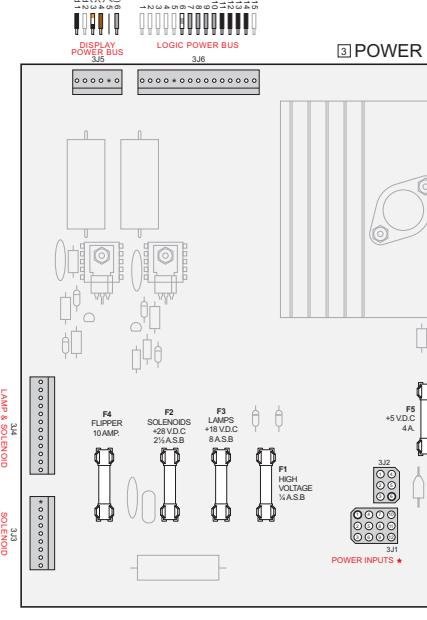


12 SPEECH BOARD

10 SOUND BOARD

- SWITCH COLUMN (LAMP)**
- 1 Switch Column #8
 - 2 Switch Column #7
 - 3 Switch Column #6
 - 4 KEY
 - 5 Switch Column #5
 - 6 Switch Column #4
 - 7 Switch Column #3
 - 8 Switch Column #2
 - 9 Switch Column #1
- SWITCH ROW (SPECIAL SWITCH)**
- 1 Switch Row #8
 - 2 KEY
 - 3 Switch Row #7
 - 4 Switch Row #6
 - 5 Switch Row #5
 - 6 Switch Row #4
 - 7 Switch Row #3
 - 8 Switch Row #2
 - 9 Switch Row #1

3 POWER SUPPLY BOARD



- POWER INPUT INTERCONNECTS**
- Lamps (+18 VDC) 1
 - Solenoids (+28 VDC) 2
 - Not used 3
 - Not used 4
 - Not used 5
 - Not used 6
 - Not used 7
 - Not used 8
 - Not used 9
 - Not used 10
 - Not used 11
 - Not used 12
 - Not used 13
 - Not used 14
 - Not used 15
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 - Not used 100

