REV	DESCRIPTION	DATE
A	Released to Production	12-14-04

DC Main (CA-2433)

Display #2		Display Board
(+5VDC) RED	1	6 +5VDC
(Clock) PNK	2	5 Display Clock
(Latch) GRN	3	4 Display Latch
(Ground) BLK	4	3 Ground
(+12VDC) YEL	5	2 +12VDC
(Data) BRN	6	1 Display Data

Panduit, .100 IDC, 6 Position
CE100F22-6

CPU J101 #3		CPU J101
(Coin Enable) BLK	1	1 Coin Enable
(Display Clock) PNK	2	2 Display Clock
(Display Data) BRN	3	3 Display Data
(Display Latch) GRN	4	4 Display Latch
(Coin Switch) ORG	5	5 Coin In
(Edge Sensor) WHT-GRY	6	6 Edge Opto
(Ticket Notch) WHT-BLU	7	7 Ticket Notch
(Coin Sensor) WHT-RED	8	8 Coin Opto
(+12VDC) YEL	9	9 +12VDC
(+12VDC) YEL	10	10 +12VDC
(+12VDC) YEL	11	11 +12VDC
	12	12 +12VDC
(Ground) BLK	13	13 Ground
	14	14 Ground
	15	15 Ground
	16	16 Ground

Molex, Mini Fit Jr, 16 Positions
39-01-2160
39-00-0038

CPU J102 #4		CPU J102
	1	1
(Ticket Enable) GRY	2	2 Ticket Enable
	3	3
	4	4
	5	5
	6	6
	7	7
	8	8
(+12VDC) YEL	9	9 +12VDC
	10	10 +12VDC
	11	11 +12VDC
	12	12 +12VDC
(Ground) BLK	13	13 Ground
	14	14 Ground
	15	15 Ground
	16	16 Ground

Molex, Mini Fit Jr, 16 Positions
39-01-2160
39-00-0038

CPU J103 #5		CPU J103
	1	1
	2	2
(Ticket Meter) BLU-ORG	3	3 Ticket Meter
(Coin Meter) BLU-RED	4	4 Coin Meter
	5	5
	6	6
	7	7
	8	8
	9	8 +12VDC
	10	10 +12VDC
	11	11 +12VDC
	12	12 +12VDC
	13	13 Ground
	14	14 Ground
	15	15 Ground
	16	16 Ground

Molex, Mini Fit Jr, 16 Positions
39-01-2160
39-00-0038

CPU J104 #5		CPU J104
(Speaker) PUR	1	1 Speaker
(Speaker) WHT-PUR	2	2 Speaker
	3	3
	4	4
	5	5
	6	6
	7	7
	8	8
	9	9 +12VDC
	10	10 +12VDC
	11	11 +12VDC
	12	12 +12VDC
	13	13 Ground
	14	14 Ground
	15	15 Ground
	16	16 Ground

Molex, Mini Fit Jr, 16 Positions
39-01-2160
39-00-0038

Ticket Door (CA-2426)

Ticket Door #10		Ticket Door
(Coin Meter) BLU-RED	1	1 BLK (Coin Meter)
(+12VDC) YEL	2	2 BLK (Coin Meter)
(+12VDC) YEL	3	3 BLK (Ticket Meter)
(Ticket Meter) BLU-ORG	4	4 BLK (Ticket Meter)
(Ground) BLK	5	5 BLK (Ground)
(Ticket Enable) GRY	6	6 GRY (Ticket Enable)
(Ticket Notch) WHT-BLU	7	7 WHT-BLU (Ticket Notch)
(Ticket Low) WHT-BRN	8	8 WHT-BRN (Ticket Low)
-	9	9 WHT-GRY (Edge Sensor)
(Edge Sensor) WHT-GRY	10	10 1K Resistor for Edge Sensor
-	11	11 WHT-RED (Coin Sensor)
(Coin Sensor) WHT-RED	12	12 1K Resistor for Coin Sensor
(+12VDC) YEL	13	13 YEL (+12VDC)
(+12VDC) YEL	14	14 YEL (+12VDC)

Molex, Mini-Fit Jr, 14 Positions
39-01-2140 39-01-3143
39-00-0038 39-00-0040

Ticket Dispensor		Ticket Dispensor
(Ticket Notch) WHT-BLU	1	1 Ticket Notch
(Ground) BLK	2	2 Ground
(Ticket Enable) GRY	3	3 Ticket Enable
(+12VDC) YEL	4	4 +12VDC

Molex, .093, 4 Positions
03-09-1042 03-09-2042
02-09-1117 02-09-2116

Coin Acceptor (CA-2428)

Coin Acceptor #11		Coin Acceptor
(Coin Enable) BLK	1	1 BLK (Coin Enable)
(+12VDC) YEL	2	2 RED (+12VDC)
(Coin Return) ORG	3	3 WHT (Coin Return)
-	4	4 -

Molex, Mini-Fit Jr, 4 Positions
39-01-2040 39-01-3043
39-00-0038 39-00-0040

Oscillating Light (CA-2429)

Upper Motor Lights #1		Oscillating Light
(Ground) BLK	1	1 BLK (Ground)
(+12VDC) YEL	2	2 RED (+12VDC)

Amp, U-M-N-L, 2 Positions
1-480699-0 1-480698-0
350851-1 350561-1

Opto Jumper (CA-2431)

Conveyor Opto #12		Opto Jumper J1
(+12VDC) YEL	1	1 YEL (+12VDC)
(Coin Sensor) WHT-RED	2	2 WHT-RED (Coin Sensor)
(Ground) BLK	3	3 BLK (Ground)
(Edge Sensor) WHT-GRY	4	4 WHT-GRY (Edge Sensor)

Molex, .093, 4 Positions
03-09-1042 03-09-2042
02-09-1117 02-09-2116

Opto Jumper J2		Opto Board
(+12VDC) YEL	1	1 +12VDC
(Coin Sensor) WHT-RED	2	2 Coin Sensor
(Ground) BLK	3	3 Ground
(Edge Sensor) WHT-GRY	4	4 Edge Sensor

Molex, KK-100, 4 Positions
22-01-2047
08-50-0113

Power Supply Load #6		Resistors
(Ground) BLK	1	1 One Side of Resistors
(+5VDC) RED	2	2 Other Side of Resistors

Solder Connection

Power Supply DC1 #7		Power Supply DC 1
(+5VDC) RED	1	1 +5VDC
(+5VDC) RED	2	2 +5VDC
	3	3 +5VDC
(Ground) BLK	4	4 Ground
(Ground) BLK	5	5 Ground
(Ground) BLK	6	6 Ground
	7	7 -5VDC
(+12VDC) YEL	8	8 +12VDC
	9	9 -12VDC

Molex, .093, 9 Positions
03-09-2092 03-09-1092
02-09-2116 02-09-1117

Power Supply DC2 #7		Power Supply DC 2
	1	1 +5VDC
	2	2 +5VDC
	3	3 +5VDC
	4	4 Ground
(Ground) BLK	5	5 Ground
(Ground) BLK	6	6 Ground
	7	7 -5VDC
(+12VDC) YEL	8	8 +12VDC
	9	9 -12VDC

Molex, .093, 9 Positions
03-09-2092 03-09-1092
02-09-2116 02-09-1117

Low Ticket #8		Low Ticket Switch
(Ground) BLK	1	1 COM
(Low Ticket Out) WHT-BRN	2	2 NC

Amp, FastOn Quick Disconnects, .187 x .020
2-520181-2

Speaker #9		Speaker
(Speaker) PUR	1	1 Speaker
(SPEAKER) WHT-PUR	2	2 Speaker

Amp, FastOn Quick Disconnects, .187 x .020
2-520181-2

AC Main (CA-2432)

Upper Fluorescent (CA-2269)

Upper Fluorescent #1		Upper Fluorescent
(AC) BLK	1	1 BLK (AC)
(Earth Ground) GRN	2	2 GRN-YEL (Earth Ground)
(AC) WHT	3	3 WHT (AC)

Amp, U-M-N-L, 3 Positions
1-480701-0 1-480700-0
350536-1 350687-1

Oscillating Motor (CA-2427)

Upper Motor #2		Oscillating Motor
(AC) BLK	1	1 BLK (AC)
(Earth Ground) GRN	2	2 GRN-YEL (Earth Ground)
(AC) WHT	3	3 BLK (AC)

Amp, U-M-N-L, 3 Positions
1-480701-0 1-480700-0
350536-1 350561-1

Oscillating Motor (CA-2427)

Middle Motor #3		Middle Motor
(AC) BLK	1	1 BLK (AC)
(Earth Ground) GRN	2	2 GRN-YEL (Earth Ground)
(AC) WHT	3	3 BLK (AC)

Amp, U-M-N-L, 3 Positions
1-480701-0 1-480700-0
350536-1 350687-1

Conveyor Motor (CA-2430)

Belt Motor #4		Conveyor Motor
(AC) BLK	1	1 BLK (AC)
(Earth Ground) GRN	2	2 GRN-YEL (Earth Ground)
(AC) WHT	3	3 BLK (AC)

Amp, U-M-N-L, 3 Positions
1-480701-0 1-480700-0
350536-1 350687-1

Power Supply #5		Power Supply AC In
(AC) BLK	1	1 BLK (AC)
(Earth Ground) GRN	2	2 GRN (Earth Ground)
(AC) WHT	3	3 WHT (AC)

Molex, .093, 3 Positions
03-09-2032 03-09-1032
02-09-2116 02-09-1117

Lower Fluorescent (CA-2269)

Lower Fluorescent #6		Lower Fluorescent
(AC) BLK	1	1 BLK (AC)
(Earth Ground) GRN	2	2 GRN-YEL (Earth Ground)
(AC) WHT	3	3 WHT (AC)

Amp, U-M-N-L, 3 Positions
1-480701-0 1-480700-0
350536-1 350687-1

Sega Sponge Bob
Wiring Pinout
12-14-2004 FPR