NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

UP BUTTON SWITCH
P/N-41676- SW, Push Button, BLK/YEL

DOWN BUTTON SWITCH
P/N-41676- SW, Push Button, BLK/YEL

ENTER BUTTON SWITCH
P/N-19131- SW, Push Button, BLK/RED

BUTTON SWITCH LAMPS,
Part#-34811, Incand, 14V, GE658,
ENTER, UP, DOWN BUTTONS

T1, WHT/ORG WIRE, UP BUTTON LAMP, ( P7(8) )
T2, BLUE WIRE, +12V, UP BUTTON LAMP, ( P8(7), T7)
T4, BLK/RED WIRE, SIGNAL GROUND, UP BUTTON SWITCH, ( T2(), T9 )
T5, WHT/YEL WIRE, UP BUTTON SWITCH, ( P7(6) )
T6, VIO WIRE, DOWN BUTTON LAMP, ( P6(10) )
T7, BLU WIRE, +12V, DOWN BUTTON LAMP, ( T2, T12 )
T9, BLK/RED WIRE, SIGNAL GROUND, DOWN BUTTON SWITCH, ( T4, T14 )
T10, BRN WIRE, DOWN BUTTON SWITCH, ( P6(12) )
T11, YEL WIRE, PLAYER CHANGE LAMP, ( P6(9) )
T12, BLU WIRE, +12V, PLAYER CHANGE LAMP, ( T7 )
T14, BLK/RED WIRE, GROUND, PLAYER CHANGE BUTTON SWITCH, ( T9, P10(5) )
T15, GRY WIRE, ENTER BUTTON SWITCH, ( P6(11) )

T20, BLK/RED, SIGNAL GROUND, ( T4, P9(2) )
T21, BRN/WHT, A-BUTTON, ( P7(7) )

CPU MAIN BOARD
P/N-41784- Asmby, PCB, MBD, USA, Complete, REV. F

DARTHEAD DIRECT

EPROM 1 U6
EPROM 0 U4
U5
U3 RAM - CLOCK
LED1 DART HEAD 1
LED2
LED3 STATUS
LED4 POWER
P4 OPTIONS
P5
C13
C9
VOLUME RP1
LED5 TX
LED6 DTR
LED7 RX
LED8 DCD
U17 MODEM
C30
J4
C32
J9
J10
LINE
PHONE
MODEM VOLTAGE SELECTION JUMPER
P6
5V COMMON 3V
J2 DARTHEAD 1
U1
Y1
SW2 RESET
P2
U15 COLORFIRE
U16 XILINX
J8 COM IN
J5 COM OUT
P1
SW1
U9
U18
U19
U12
+3.3V TP1
SW3 TEST
P3
J3
GND TP5
GND TP2
+5V TP6
GND TP3
+12V TP4
J14
J6
J1
J13
P6
P7
P8
VGA MONITOR

LIGHT REFLECTOR
P/N-41971- ASMBY, 115V

LAMP SOCKET
P/N-41970- Socket, Lamp, Med Base, Snap In, 115V

TARGET LAMPS-P/N#37024, Incand, 40W, 130V, A-19, Med Base, Frosted

HARNESS, GALAXY II,
AC TARGET LAMPS
PART #41802

P14
P15
PIN 1, BLK WIRE, A/C LINE, ( P13(1) )
PIN 3, WHT WIRE, A/C NEUTRAL, ( P13(2) )
PIN 1, BLK WIRE, A/C LINE, ( P12(1) )
PIN 3, WHT WIRE, A/C NEUTRAL, ( P12(2) )
T31, GRN WIRE, A/C GROUND, ( T33 )
T32, GRN WIRE, A/C GROUND, ( T34 )

PIN 1 RED
PIN 2 GREEN
PIN 3 BLUE
PIN 4 N/C
PIN 5 N/C
PIN 6 RED GROUND
PIN 7 GREEN GROUND
PIN 8 BLUE GROUND
PIN 9 N/C
PIN 10 D. GROUND
PIN 11 N/C
PIN 12 N/C
PIN 13 HSYNC
PIN 14 VSYNC
PIN 15 N/C

MONITOR
P/N-40126- MON, 14", Color, SVGA
P/N-41906- MON, 15", Color, SVGA

MONITOR PWR CORD
P/N-41821- Cable, PWR,
IEC320M to IEC 320F, Jumper

PIN 1, BLK/RED, SIGNAL GROUND, ( P10(4) )
PIN 2, VIO/WHT WIRE, COIN #1, ( P9(4) )
PIN 3, BLU WIRE, +12V IN, ( P10(1) )
PIN 4, RED WIRE, +5V IN, ( P10(2) )
PIN 5, N/C
PIN 6, BLK/GRY WIRE, SPEAKER OUT, ( T16 )
PIN 7, BLU WIRE, +12V OUT, ( T2 )
PIN 8, VIO/BLK WIRE, TARGET LIGHT SIGNAL, ( P11(2) )
PIN 9, ORG/BLK, COIN #3 (BILL ACCEPTOR), ( P9(6) )
PIN 10, GRY/BLK, COIN #2, ( P9(5) )
PIN 11, N/C

SPEAKER
P/N-21484 - 4", 8 OHM
T16, BLK/GRY WIRE, SPEAKER OUT, ( P8(6) )
T17, BLK/RED WIRE, SPEAKER GROUND, ( P10(5) )

PIN 1, N/C
PIN 2, N/C
PIN 3, N/C
PIN 4, N/C
PIN 5, N/C
PIN 6, WHT/YEL WIRE, UP BUTTON, ( T5 )
PIN 7, BRN/WHT WIRE, A-BUTTON SOCKET, ( T21 )
PIN 8, WHT/ORG WIRE, UP BUTTON LAMP, ( T1 )
PIN 9, N/C
PIN 10, N/C

PIN 2, VIO/BLK WIRE, TARGET LAMP SIGNAL, ( P8(8) )
PIN 1, BLU WIRE, +12V, ( P8(3) )
PIN 2, RED WIRE, +5V, ( P8 (4), P11(1) )
PIN 3, N/C
PIN 4, BLK/RED, SIGNAL GROUND, ( P8(1) )
PIN 5, BLK/RED, SIGNAL GROUND, ( T14, T17 )
PIN 6, N/C
PIN 1, RED WIRE, +5V, ( P10(2) )

P10
P11
SPARE OUTLET SOCKET
P/N-41680- Socket, PWR Outlet, IEC 1/4 Tab, Snap In
JP4
JP3
P12
P13
PIN 1, BLK WIRE, ( P15(1) )
PIN 2, WHT WIRE, ( P15(2) )
PIN 1, BLK WIRE, ( P14(1) )
PIN 2, WHT WIRE, ( P14(3) )
T19, GRN WIRE, GND, ( P9(9) )
T33, GRN WIRE, AC GND, ( T31 )
T34, GRN WIRE, AC GND, ( T32 )
GROUND STUD
MONITOR OUTLET SOCKET
P/N-41680- Socket, PWR Outlet, IEC 1/4 Tab, Snap In
MAIN PWR SOCKET
P/N-41679- Socket, PWR Inlet, IEC 1/4 Tab, Snap In

HARNESS, GALAXY II,
MAIN, LOW VOLTAGE
PART #41801

PIN 1, BLU WIRE, +12V OUT, ( P9(3) )
PIN 2, N/C
PIN 3, N/C
PIN 4, N/C
PIN 5, N/C
PIN 7, N/C
PIN 6, RED WIRE, +5V OUT, ( P9(1) )
PIN 8, WHT/BLK WIRE, COIN METER, ( P9(7) )
PIN 9, YEL WIRE, ENTER BUTTON LAMP, ( T11 )
PIN 10, VIO WIRE, DOWN BUTTON LAMP, ( T6 )
PIN 11, GRY WIRE, ENTER BUTTON SWITCH, ( T15 )
PIN 12, BRN WIRE, DOWN BUTTON SWITCH, ( T10 )

PIN 1, RED WIRE, +5V OUT, ( P6(6) )
Pin 2, BLK/RED WIRE, SIGNAL GROUND, ( T20 )
PIN 3, BLU WIRE, +12V, ( P6(1) )
Pin 4, VIO/WHT WIRE, COIN #1, ( P8(2) )
PIN 5, GRY/BLK, COIN #2, ( P8(10) )
PIN 6, ORG/BLK, COIN #3 (BILL ACCEPTOR), ( P8(9) )
PIN 7, WHT/BLK, COIN METER, ( P6(8) )
PIN 8, N/C
PIN 9, GRN WIRE, GROUND, ( T19 )
PIN 10, N/C
PIN 11, N/C
PIN 12, N/C

P9
Coin Door Harness Connector
J16

HARNESS, GALAXY II,
COIN DOOR
PART #41804

PIN #1, RED WIRE, +5V, COIN METER, ( T36 )
PIN 2, BLK/RED WIRE, SIGNAL GROUND, ( T23, T25 )
PIN 3, BLU WIRE, +12V, ( T24 )
PIN 4, VIO/WHT WIRE, COIN #1, ( T22 )
PIN 5, GRY/BLK WIRE, COIN #2, ( T26 )
PIN #6, N/C
PIN #7, WHT/BLK, COIN METER, ( T35 )
PIN #8, N/C
PIN 9, GRN WIRE, GROUND, ( T30 )
PIN #10, N/C
PIN #11, N/C
PIN #12, N/C

COIN SWITCH #1
NO
COMMON
NC
COIN SWITCH #2
NO
COMMON
NC

COIN DOOR ASSEMBLY
P/N-41685- Door, Coin, USA, 25/25, Over Under

OPTIONAL HARNESS, GALAXY II,
COIN DOOR w/BILL ACCEPTOR
PART #41884

J16
PIN #1, RED WIRE, +5V, COIN METER, ( T36 )
PIN 2, BLK/RED WIRE, SIGNAL GROUND, ( T27, T29 )
PIN 3, BLU WIRE, +12V, ( T28 )
PIN 4, N/C
PIN 5, GRY/BLK WIRE, COIN #2, ( T26 )
PIN 6, ORG/BLK, ( COIN #3 ) BILL ACCEPTOR, ( P21(7) )
PIN 7, WHT/BLK, COIN METER, ( T35 )
PIN 8, N/C
PIN 9, GRN WIRE, GROUND, ( T30 )
PIN 10, GRN WIRE, GND, ( T37 )
PIN 11, WHT WIRE, AC NEUTRAL, ( P21(1) )
PIN 12, BLK WIRE, AC LINE, ( P21(6) )
PIN 1, WHT WIRE, AC NEUTRAL, ( P21(6) )
PIN 2, N/C
PIN 3, N/C
PIN 4, BLK WIRE, AC LINE, ( J19(2) )
PIN 5, N/C
PIN 6, WHT WIRE,AC NEUTRAL, ( J19(11), P21(1) )
PIN 7, ORG/BLK WIRE, COIN#3 (BILL#1), ( J19(6) )
PIN 8, BLK/RED WIRE, COMMON, ( T27 )
PIN 9, N/C
COIN SWITCH #2
NO
COMMON
NC

NOTE – AC POWER FOR BILL ACCEPTOR IS SUPPLIED BY CABLE, PART# 41926, WITH PINS #14803, FROM SPARE OUTLET ON P/S CHASIS ASEMBLY. TO CONNECTOR P9 ON THE MAIN HARNESS.
PIN 10 - GRN WIRE, GND
PIN 11 - BLU WIRE, NEUTRAL
PIN 12 - BRN WIRE, LINE

P24
TRIAC BD., CONN
P24(3), WHT, AC NEUTRAL ( T54 )
P24(1), BLK, AC LINE ( T46 )
T56, BLK, AC LINE, ( T47 )
T56
MONITOR POWER
P23
P/S BD., CONN
P23(3), WHT, AC NEUTRAL, ( T43 )
P23(1), BLK, AC LINE, ( T40 )
T48
P/S BD., GND
T42, BLK, AC LINE, ( T41 )
T49, GRN, AC GND, ( T50 )
T43, WHT, AC NEUTRAL, ( T45 & P23(3) )
Spare Oulet
T47, BLK, ( T56 )
T50, GRN, AC GND, ( T49 & T51 )
T44, WHT, ( T54 )
Monitor Outlet
T40, BLK, AC LINE, ( T41 & P23(1) )
T52, GRN, AC GND, ( T53 )
T45, WHT, AC NEUTRAL, ( T43 & T55 )
Power Inlet
T41, BLK, AC LINE, ( T40 & T42 )
T55, WHT, AC NEUTRAL, ( T45 )
T46, BLK, ( P24(1) )
T54, WHT, ( T44 & P24(3) )
Switch

HARN, GALAXY II,
AC POWER SUPPLY
PART #41803

POWER JUNCTION BOX CHASSIS
P/N-41965, Chasis, Asmbly, PWR Supply

POWER SUPPLY BOARD
P/N-39267- PCB, 115/230VAC, Switching
Uses a Ceramic 5 x 20mm, Slow-Blo, F3.15A 250V, Fuse.

TRIAC BOARD
P/N-41670- PCB Asmbly.
Uses Part# 42023, Fuse, Slow Blow, 3.15 A, 5 x 20mm.

Drawing By
Arachnid, Inc.