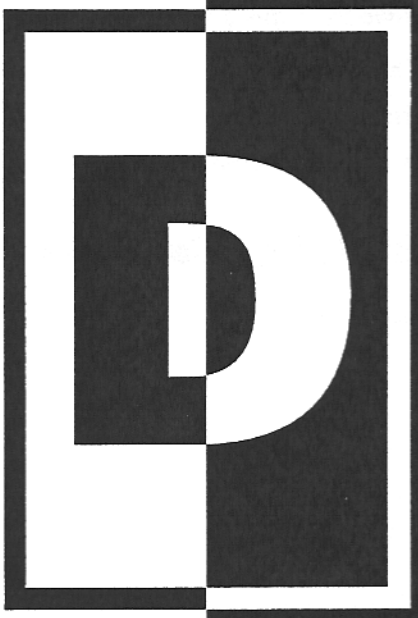


Wiring Harness Tables

This appendix provides diagrams of the main wiring harness and tabels listing signals and pinouts for the harness connectors in the Odyssey slot machine.

Overview

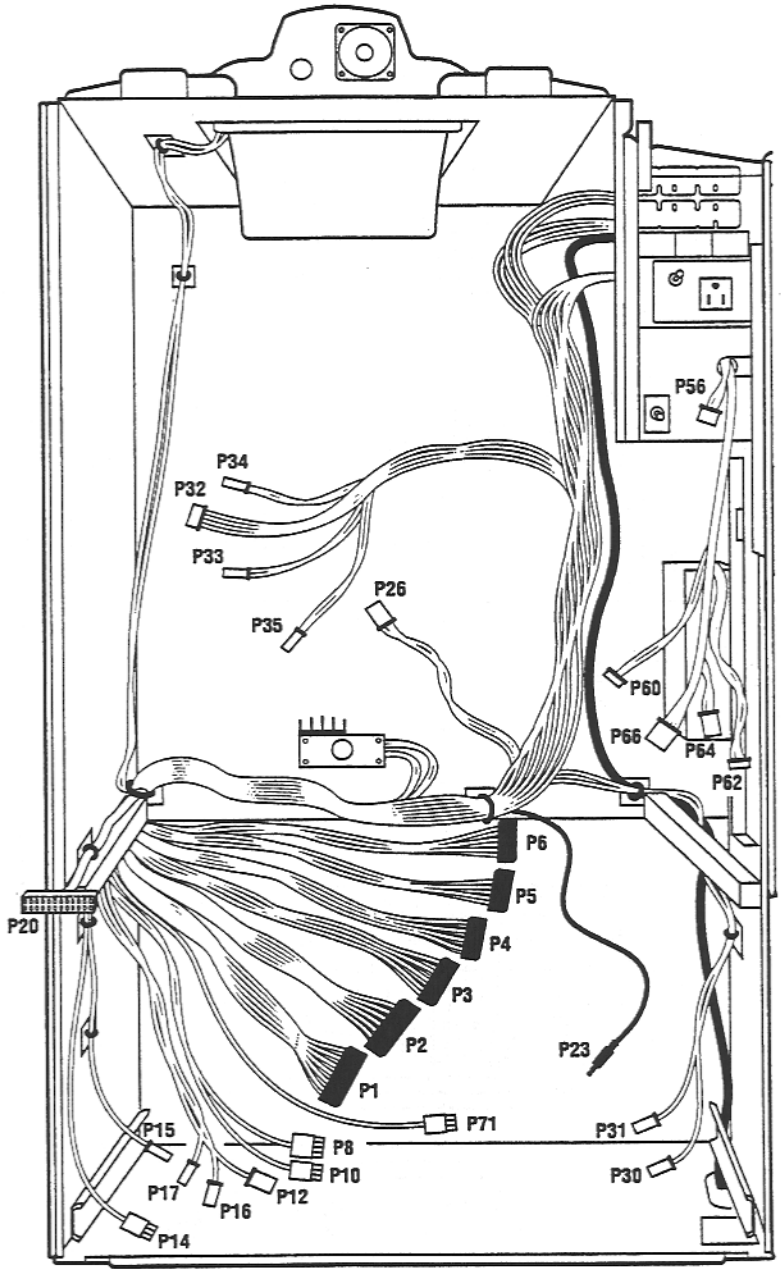
The following are provided in this appendix:

- System Wiring Harness Diagram
- Main Wiring Harness Schematic
- Main Wiring Harness Connector Pinouts

Main Harness Wiring Diagrams

See Figures E-1, E-2, and E-3.

Figure D-1 **System Wiring Harness**



P1	GPIO 40-pin Bottom Connector
P2	GPIO 40-pin Top Connector
P3	GPIO 26-pin Bottom Connector
P4	GPIO 26-pin Top
P5	GPIO 20-pin
P6	CPU Power
P8	Touchscreen
P10	VDT Power
P12	Hopper
P14	Belly Lamp Power
P15	Belly Speaker
P16	Belly Door Switch
P17	Network Switch - Belly Door
P20	Bezel
P22	Candle
P23	Audio
P24	Top Speaker
P25	Audio Amp Board
P26	Slot Handle
P30	Drop Door Switch
P31	Network Switch - Drop Door
P32	Bill Acceptor
P33	Cashbox Lock Switch
P34	Cashbox Switch
P35	Network Switch - Cashbox
P36	Network
P37	Network Switch
P38	Meters
P40	MMS Keyswitch
P42	Currency Column Door Switch
P43	Network Switch - Currency Column
P46	CPU Power Input
P48	Belly Power Input
P50	Hopper Power Input
P52	VDT Power Input
P56	Currency Column Lamps & Switches
P60	Credit Display
P62	Diagnostic Display
P64	Coin Comparitor
P66	Coin Path
P68	Service Port
P71	AC Transformer

Figure D-2 **Odyssey Main Wiring Harness Schematic Diagram (1 of 2)**

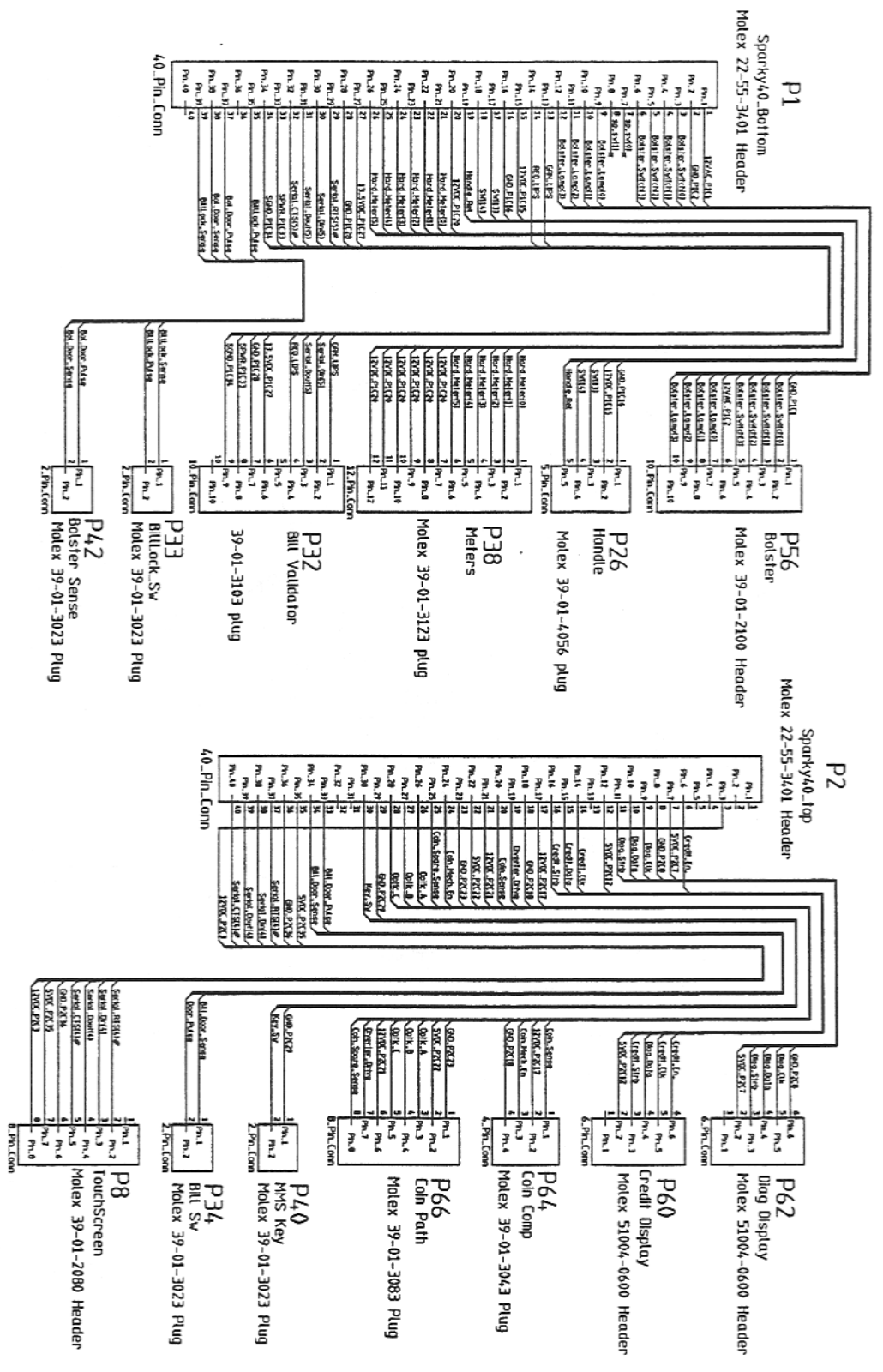


Figure D-3 **Odyssey Main Wiring Harness Schematic Diagram (2 of 2)**

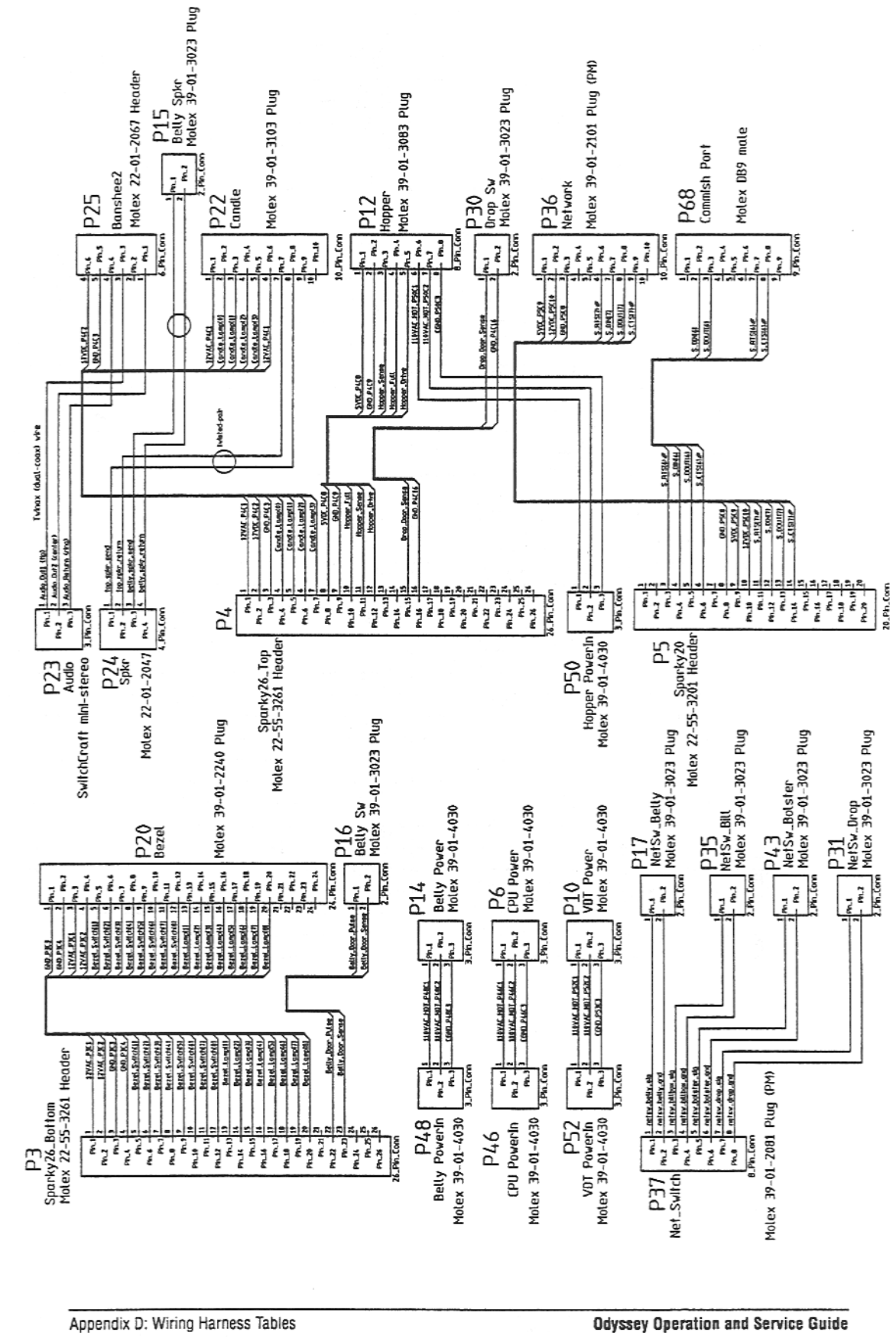


Figure D-4 **P1 Harness Connector Pinouts**

Harness Connector	Pin		Signal Name		Endpoint Connector	Pin		AWG	Color
P1	**1**		**12VAC_P1C1**		**P56**	**6**		**20**	**org**
P1	**2**		**GND_P1C2**		**P56**	**1**		**20**	**blk**
P1	3		Bolster_Switch[0]		P56	2		22	blu
P1	4		Bolster_Switch[1]		P56	3		22	vlt
P1	5		Bolster_Switch[2]		P56	4		22	grn
P1	6		Bolster_Switch[3]		P56	5		22	yel
P1	7		sp_sw[0]		NA	NA		NA	NA
P1	8		sp_sw[1]		NA	NA		NA	NA
P1	9		Bolster_Lamp[0]		P56	7		22	wht/blu
P1	10		Bolster_Lamp[1]		P56	8		22	wht/vlt
P1	11		Bolster_Lamp[2]		P56	9		22	wht/grn
P1	12		Bolster_Lamp[3]		P56	10		22	wht/yel
P1	13		GRN_LIPS		P32	1		22	grn
P1	14		RED_LIPS		P32	4		22	org
P1	15		17VDC_P1C15		P26	2		20	blu
P1	16		GND_P1C16		P26	1		20	blk
P1	17		Sw[13]		P26	3		22	org
P1	18		Sw[14]		P26	4		22	grn
P1	19		Handle_Ret		P26	5		22	grey
P1	20		12VDC_P1C20		P38	7,8,9,10, 11,12		20	yel
P1	21		Hard_Meter[0]		P38	1		22	org
P1	22		Hard_Meter[1]		P38	2		22	vlt
P1	23		Hard_Meter[2]		P38	3		22	grey
P1	24		Hard_Meter[3]		P38	4		22	grn
P1	25		Hard_Meter[4]		P38	5		22	blu
P1	26		Hard_Meter[5]		P38	6		22	red
P1	27		13_5VDC_P1C27		P32	6		20	yel
P1	28		GND_P1C28		P32	7		20	blk
P1	29		Serial_RTS[5]#		NA	NA		NA	NA
P1	30		Serial_Din[5]		P32	2		22	vlt
P1	31		Serial_Dout[5]		P32	3		22	grey
P1	32		Serial_CTS[5]#		NA	NA		NA	NA
P1	33		SPWR_P1C33		P32	8		20	red
P1	34		SGND_P1C34		P32	9		20	blk
P1	35		BillLock_Pulse		P33	1		22	grey
P1	36		NA		NA	NA		NA	NA
P1	37		Bol_Door_Pulse		P42	1		22	grey
P1	38		Bol_Door_Sense		P42	2		22	vlt
P1	39		BillLock_Sense		P33	2		22	grn
P1	40		NA		NA	NA		NA	NA

Figure D-5 **P2 Harness Connector Pinouts**

Harness Connector	Pin		Signal Name		Endpoint Connector	Pin		AWG	Color
P2	1		NA		NA	NA		NA	NA
P2	2		NA		NA	NA		NA	NA
P2	3		12VDC_P2C3		P8	8		20	yel
P2	4		NA		NA	NA		NA	NA
P2	5		NA		NA	NA		NA	NA
P2	6		Credit_En_		P60	6		24	blk
P2	7		5VDC_P2C7		P62	2		24	red
P2	8		GND_P2C8		P62	6		24	blk
P2	9		Diag_Clk		P62	5		24	grn
P2	10		Diag_Data		P62	4		24	blu
P2	11		Diag_Strb		P62	3		24	yel
P2	12		5VDC_P2C12		P60	2		24	red
P2	13		NA		NA	NA		NA	NA
P2	14		Credit_Clk		P60	5		24	grn
P2	15		Credit_Data		P60	4		24	blu
P2	16		Credit_Strb		P60	3		24	yel
P2	17		12VDC_P2C17		P64	2		20	yel
P2	18		GND_P2C18		P64	4		20	blk
P2	19		Diverter_Drive		P66	7		22	vlt
P2	20		Coin_Sense		P64	1		22	wht/red
P2	21		12VDC_P2C21		P66	6		20	yel
P2	22		5VDC_P2C22		P66	2		20	red
P2	23		GND_P2C23		P66	1		20	blk
P2	24		Coin_Mech_En		P64	3		22	wht/yel
P2	25		Coin_Spare_Sense		P66	8		22	grey
P2	26		Optic_A		P66	3		22	org
P2	27		Optic_B		P66	4		22	grn
P2	28		Optic_C		P66	5		22	blu
P2	29		GND_P2C29		P40	1		20	blk
P2	30		Key_Sw		P40	2		22	wht
P2	31		NA		NA	NA		NA	NA
P2	32		NA		NA	NA		NA	NA
P2	33		Bill_Door_Pulse		P34	2		22	grey
P2	34		Bill_Door_Sense		P34	1		22	vlt
P2	35		5VDC_P2C35		P8	7		20	red
P2	36		GND_P2C36		P8	6		20	blk
P2	37		Serial_RTS[4]#		P8	2		22	org
P2	38		Serial_Din[4]		P8	3		22	vlt
P2	39		Serial_Dout[4]		P8	4		22	grey
P2	40		Serial_CTS[4]#		P8	5		22	grn

Figure D-6 **P3 Harness Connector Pinouts**

Harness Connector	Pin	Signal Name	Endpoint Connector	Pin
P3	**1**	**12VAC_P3C1**	**P20**	**3**
P3	2	12VAC_P3C2	P20	4
P3	3	GND_P3C3	P20	1
P3	4	GND_P3C4	P20	2
P3	5	Bezel_Switch[1]	P20	5
P3	6	Bezel_Switch[2]	P20	6
P3	7	Bezel_Switch[3]	P20	7
P3	8	Bezel_Switch[4]	P20	8
P3	9	Bezel_Switch[5]	P20	9
P3	10	Bezel_Switch[6]	P20	10
P3	11	Bezel_Switch[7]	P20	11
P3	12	NA	NA	NA
P3	13	Bezel_Lamp[1]	P20	13
P3	14	Bezel_Lamp[2]	P20	14
P3	15	Bezel_Lamp[3]	P20	15
P3	16	Bezel_Lamp[4]	P20	16
P3	17	Bezel_Lamp[5]	P20	17
P3	18	Bezel_Lamp[6]	P20	18
P3	19	Bezel_Lamp[7]	P20	19
P3	20	NA	NA	NA
P3	21	NA	NA	NA
P3	22	Belly_Door_Pulse	P16	1
P3	23	Belly_Door_Sense	P16	2
P3	24	NA	NA	NA
P3	25	NA	NA	NA
P3	26	NA	NA	NA

Figure D-7 **P4 Harness Connector Pinouts**

Harness Connector	Pin	Signal Name	Endpoint Connector	Pin	AWG	Color
P4	1	12VAC_P4C1	P22	1,6	20	org
P4	2	17VDC_P4C2	P25	6	20	blu
P4	3	GND_P4C3	P25	5	20	blk
P4	4	Candle_Lamp[0]	P22	2	22	vlt
P4	5	Candle_Lamp[1]	P22	3	22	grey
P4	6	Candle_Lamp[2]	P22	4	22	yel
P4	7	Candle_Lamp[3]	P22	5	22	grn
P4	8	5VDC_P4C8	P12	1	20	red
P4	9	GND_P4C9	P12	2	20	blk
P4	10	Hopper_Full	P12	4	22	yel
P4	11	Hopper_Sense	P12	3	22	vlt
P4	12	Hopper_Drive	P12	5	22	grey
P4	13	NA	NA	NA	NA	NA
P4	14	NA	NA	NA	NA	NA
P4	15	Drop_Door_Sense	P30	1	22	vlt
P4	16	GND_P4C16	P30	2	22	blk
P4	17	NA	NA	NA	NA	NA
P4	18	NA	NA	NA	NA	NA
P4	19	NA	NA	NA	NA	NA
P4	20	NA	NA	NA	NA	NA
P4	21	NA	NA	NA	NA	NA
P4	22	NA	NA	NA	NA	NA
P4	23	NA	NA	NA	NA	NA
P4	24	NA	NA	NA	NA	NA
P4	25	NA	NA	NA	NA	NA
P4	26	NA	NA	NA	NA	NA

Figure D-8 **P5 Harness Connector Pinouts**

Harness Connector	Pin	Signal Name	Endpoint Connector	Pin	AWG
P5	1	NA	NA	NA	NA
P5	2	NA	NA	NA	NA
P5	3	S_RTS[6]#	P68	7	22
P5	4	S_DIN[6]	P68	2	22
P5	5	S_DOUT[6]	P68	3	22
P5	6	S_CTS[6]#	P68	8	22
P5	7	NA	NA	NA	NA
P5	8	GND_P5C8	P36	3	20
P5	9	5VDC_P5C9	P36	1	20
P5	10	12VDC_P5C10	P36	2	20
P5	11	S_RTS[7]#	P36	6	22
P5	12	S_Din[7]	P36	7	22
P5	13	S_Dout[7]	P36	8	22
P5	14	S_CTS[7]#	P36	9	22
P5	15	NA	NA	NA	NA
P5	16	NA	NA	NA	NA
P5	17	NA	NA	NA	NA
P5	18	NA	NA	NA	NA
P5	19	NA	NA	NA	NA
P5	20	NA	NA	NA	NA

Figure D-9 **Additional Harness Connector Pinouts**

Harness Connector	Pin		Signal Name		Endpoint Connector	Pin		AWG	Color
P46	1		110VAC_HOT_P46C1		P6	1		20	wht/red
P46	2		110VAC_NOT_P46C2		P6	2		20	wht/blk
P46	3		CGND_P46C3		P6	3		20	grn/yel
P48	1		110VAC_HOT_P48C1		P14	1		20	wht/red
P48	2		110VAC_NOT_P48C2		P14	2		20	wht/blk
P48	3		CGND_P48C3		P14	3		20	grn/yel
P50	1		110VAC_HOT_P50C1		P12	6		20	wht/red
P50	2		110VAC_NOT_P50C2		P12	7		20	wht/blk
P50	3		CGND_P50C3		P12	8		20	grn/yel
P52	1		110VAC_HOT_P52C1		P10	1		22	wht/red
P52	2		110VAC_NOT_P52C2		P10	2		22	wht/blk
P52	3		CGND_P52C3		P10	3		20	grn/yel
P23	1		Audio_Out1		P25	3		twinAx	tip
P23	2		Audio_Out2		P25	1		twinAx	middle
P23	3		Audio_Return		P25	4		twinAx	ring
P24	1		Top_spkr_send		P22	8		22	red
P24	2		top_spkr_return		P22	7		22	yel
P24	3		belly_spkr_send		P15	1		22	grn
P24	4		belly_spkr_return		P15	2		22	org
P37	**1**		netsw_belly_sig		P17	1		22	red
P37	**2**		netsw_belly_gnd		P17	2		22	wht/red
P37	3		netsw_billbox_sig		P35	1		22	yel
P37	4		netsw_billbox_gnd		P35	2		22	wht/yel
P37	5		netsw_bolster_sig		P43	1		22	grn
P37	6		netsw_bolster_gnd		P43	2		22	wht/grn
P37	7		netsw_drop_sig		P31	1		22	org
P37	8		netsw_drop_gnd		P31	2		22	wht/org