

Row Labels	Sum of Length (ft)
Red	257.5
20	215.5
18	22
12	20
Wh, Wh/Blu	156
22	96
CANBUS	60
Wh, Wh/Or, Wh/Blu	101
22	101
(blank)	
Orange	8
22	8
Black	189
20	66.5
22	65.5
18	37
12	20
Purple	17
22	17
Yellow	12
18	12
Green	12
18	12
Grand Total	752.5

Wire Number	From	To	Length (ft)	Strands	Shielded	Gauge	Color	Notes
0001		J3751 J252	3.5	3		y	22 Wh, Wh/Or, Wh/Blu	
0002	P4602(MFD)	J3751	4	3		y	22 Wh, Wh/Or, Wh/Blu	
0003	P4601(PFD)	J251	3	3		y	22 Wh, Wh/Or, Wh/Blu	
0004	P4602(PFD)	J3752	3.5	3		y	22 Wh, Wh/Or, Wh/Blu	
0005	P4602(PFD)	J3752	3.5	3		y	22 Wh, Wh/Or, Wh/Blu	
0006	P4602(PFD)	J241	2.5	3		y	22 Wh, Wh/Or, Wh/Blu	
0007	J3751	J292	3	2		y	22 Wh, Wh/Blu	
0008	J3752	J292	3	2		y	22 Wh, Wh/Blu	
0009	J2401	P4602(PFD)	3	2		y	22 Wh, Wh/Blu	
0010	J2402	P4602(MFD)	3	2		y	22 Wh, Wh/Blu	
0011	J2001R	J2401	3	2		y	22 Wh, Wh/Blu	
0012	J2001R	J2401	3	3		y	22 Wh, Wh/Blu	
0013	J2001	J2401	1.5	2		y	22 Wh, Wh/Blu	
0014	J2001	J2401	1.5	3		y	22 Wh, Wh/Blu	
0015	J2001	J2001R	3	2			22 Wh, Wh/Blu	
0016	J2402	P4602(PFD)	3	3		y	22 Wh, Wh/Blu	
0017	J2001	M_Bus	3.5	1		n	20 Red	
0018	J2001R	M_Bus	4.5	1		n	20 Red	
0019	J2402	M_Bus	3.5	1		n	20 Red	
0020	J2402	0019	0.5	1		n	20 Red	splice
0021	P4602(PFD)	M_Bus	5	1		n	20 Red	
0022	P4602(PFD)	IBBS	14	1		n	20 Red	
0023	P4602(MFD)	M_Bus	3	1		n	20 Red	
0024	J3752	0025	0.5	1		n	20 Red	splice
0025	J3751	M_Bus	4	1		n	20 Red	
0026	J3751	0025	0.5	1		n	20 Red	splice
0027	IBBS	M_Bus	12	1		n	20 Red	
0028	J241	M_Bus	4.5	1		n	20 Red	
0029	J271	M_Bus	3	1		n	20 Red	
0030	J7001	M_Bus	4	1		n	20 Red	
0031	IBBS	J1111	11	1		n	20 Red	
0032	IBBS	GEA24	16	1		n	20 Red	
0033	IBBS	GSU25	16	1		n	20 Red	
0034	GSU25	M_Bus	5	1		n	20 Red	
0035	J1111	M_Bus	24	1		n	20 Red	
0036	GSA28 (Pitch)	M_Bus	12	1		n	20 Red	
0037	G5	M_Bus	5.5	1		n	20 Red	
0038	J291	M_Bus	5	1		n	20 Red	
0039	C1T	C2	8	2		y	CANBUS Wh, Wh/Blu	J1111 : J281(Pitch)
0040	C2	C3	12	2		y	CANBUS Wh, Wh/Blu	J281(Pitch) : J51
0041	C3	C4	2	2		y	CANBUS Wh, Wh/Blu	J51 : J251
0042	C4	C5	3	2		y	CANBUS Wh, Wh/Blu	J251 : J2001(R)
0043	C5	C6	2.5	2		y	CANBUS Wh, Wh/Blu	J2001(R) : P4602(PFD)
0044	C6	C7	2.5	2		y	CANBUS Wh, Wh/Blu	P4602(PFD) : J241
0045	C7	C8	2.5	2		y	CANBUS Wh, Wh/Blu	J241 : J2001
0046	C8	C9	1.5	2		y	CANBUS Wh, Wh/Blu	J2001 : J2401
0047	C9	C10	1.5	2		y	CANBUS Wh, Wh/Blu	J2401 : J7001
0048	C10	C11	2.75	2		y	CANBUS Wh, Wh/Blu	J7001 : J291
0049	C11	C12	2.75	2		y	CANBUS Wh, Wh/Blu	J291 : J271
0050	C12	C13	3	2		y	CANBUS Wh, Wh/Blu	J271 : P4602(MFD)
0051	C13	C14T	16	2		y	CANBUS Wh, Wh/Blu	P4602(MFD) : J281(Roll)
0052	J244	CON1	14	3		y	22 Wh, Wh/Or, Wh/Blu	Shield term at J244, Conn.1 on POS-12 Flap Position
0053	J244	CON3	24	3		y	22 Wh, Wh/Or, Wh/Blu	Shield term at 244
0054	J244	CON4	14	3		y	22 Wh, Wh/Or, Wh/Blu	Shield term at 244
0055	J281 (Pitch)	J272	17	2		n	22 Wh, Wh/Blu	
0056	CONN4	CON2	3	2		y	22 Wh, Wh/Blu	
0057	GSA28 (Roll)	CON2	8	2		n	22 Wh, Wh/Blu	
0058	GSA28 (Pitch)	CON3	12	2		y	22 Wh, Wh/Blu	
0059	CON1	TB273	12	1		n	18 Yellow	
0060	CON1	TB273	12	1		n	18 Green	
0061	J281 (Roll)	CON2	8	1		n	22 Orange	
0062	J281 (Roll)	CON3	8	1		n	20 Black	
0063	J281 (Roll)	CON4	8	1		n	20 Red	
0064	J272	CON2	10	2		n	22 Wh, Wh/Blu	
0065	CON2	CON8						
0066	CON2	M_Bus	10.5	1		n	20 Red	
0067	CON2	FW_Ground	8.5	1		n	20 Black	
0068	J281 (Pitch)	CON8						
0069	CON5	FE_Ground	6.5	1		n	18 Black	
0070	CON5	R_Light Unit	12	1		n	18 Black	
0071	CON7	FE_Ground	6.5	1		n	18 Black	
0072	CON7	L_Light Unit	12	1		n	18 Black	
0073	LCU	CON5	3	3		y	22 Wh, Wh/Or, Wh/Blu	
0074	CON5	R_Light Unit	12	3		y	22 Wh, Wh/Or, Wh/Blu	
0075	TB273	CON5	10	1		n	18 Red	
0076	CON5	R_Light Unit	12	1		n	18 Red	
0077	LCU	CON6	14	2		y	22 Wh, Wh/Blu	
0078	CON6	T_Light	5	2		y	22 Wh, Wh/Blu	Butt connect to tail light leads, White-Black Blue/White-White
0079	LCU	CON7	2	3		y	22 Wh, Wh/Or, Wh/Blu	
0080	CON7	L_Light Unit	12	3		y	22 Wh, Wh/Or, Wh/Blu	
0081	TB273	FW_Ground	3	1		n	18 Black	
0082	TB273	M_Bus	3	1		n	18 Red	Flap power in
0083	TB273	0084	1	1		n	20 Red	
0084	TB273	M_Bus	3	1		n	20 Red	
0085	J272	0086	1	1		n	20 Black	
0086	J272	FW_Ground	4.5	1		n	20 Black	
0087	J272	M_Bus	3	1		n	20 Red	
0088	J272	0087	1	1		n	20 Red	
0089	J271	SW3	4	1		n	20 Black	
0090	SW3	M_Bus	3	1		n	20 Red	
0091	SW3	J272	4	1		n	20 Red	
0092	SW3	CON5	11	1		n	20 Red	Taxi Light
0093	SW1	LCU	11	1		n	20 Red	
0094	GAP26	CON9	6	1		n	14 Black	
0095								

0096	GAP26	0095	1	1	n	14	Black	
0097	GAP26	CON9	6	1	n	14	Red	
0098	CON9	SW4	10	1	n	14	Red	
0099	SW4	M_Bus	3	1	n	14	Red	
0100	GAP26	0097	1	1	n	14	Red	
0101	J1111	FW_Ground	20	1	n	22	Black	
0102	J7001	FW_Ground	3.5	1	n	22	Black	t
0103	J241	FW_Ground	4	1	n	22	Black	
0104	IBBS	SW5	14	1	n	22	Black	
0105	SW5	FW_Ground	5.5	1	n	22	Black	
0106	J251	FW_Ground	5.5	1	n	22	Black	
0107	J291	FW_Ground	4.5	1	n	22	Black	
0108	J3751	FW_Ground	5.5	1	n	20	Black	
0109	J3751	0108	1	1	n	22	Black	
0110	J3751	0108	1	1	n	22	Black	
0111	J3751	0108	1	1	n	22	Black	
0112	J3752	SW06	3	1	n	22	Purple	
0113	SW06	FW_Ground	5.5	1	n	22	Black	
0114	P4602(PFD)	FW_Ground	5	1	n	22	Black	
0115	P4602(PFD)	0114	1	1	n	22	Black	
0116	P4602(PFD)	0114	1	1	n	22	Black	Config for PFD1
0117	J51	FW_Ground	6	1	n	22	Black	
0118	J281 (Pitch)	FW_Ground	15	1	n	20	Black	
0119	P4602(MFD)	FW_Ground	5	1	n	20	Black	
0120	P4602(MFD)	0119	1	1	n	22	Black	
0121	0095	FW_Ground	6	1	n	14	Black	
0122	IBBS	FW_Ground	10	1	n	20	Black	
0123	IBBS	0122	1	1	n	20	Black	
0124	IBBS	0122	1	1	n	20	Black	
0125	J2001R	FW_Ground	5.5	1	n	20	Black	
0126	J2001	FW_Ground	5.5	1	n	20	Black	
0127	J271	CON10	10	6	n	22	Multi	
0128	J271	CON8	10	6	n	22	Multi	
0129	J2402	FW_Ground	4.5	1	n	20	Black	
0130	J2402	129	1	1	n	20	Black	
0131	J2402	129	1	1	n	20	Black	
0132	J2401	Pilot Mic	5	2	y	22	Wh, Wh/Blu	
0133	J2402	CoPilot Mic	5	2	y	22	Wh, Wh/Blu	
0134	J2402	Pilot HS	5	3	y	22	Wh, Wh/Or, Wh/Blu	
0135	J2402	CoPilot HS	5	3	y	22	Wh, Wh/Or, Wh/Blu	
0136	J2401	CON10	10	1	n	22	Green	
0137	J2402	CON8	10	1	n	22	Green	
0138	LCU	SW2	11	1	n	20	Red	
0139	SW2	M_Bus	3	1	n	20	Red	
0140	J271	SW7	4	1	n	22	Red	
0141	SW8	0141	1	1	n	22	Red	
0142	J271	SW7	4	1	n	22	Black	
0143	SW8	0142	1	1	n	22	Black	
0144	J271	SW7	4	1	n	22	Blue	
0145	J271	SW8	4	1	n	22	Blue	
0146	IBBS	J244	14	1	n	22	Orange	
0147	IBBS	J244	14	1	n	22	Purple	
0148	J241	CON11	12	3	y	22	Wh, Wh/Or, Wh/Blu	Temp probe
0149	J271	FW_Ground	4	1	n	20	Black	
0150	J271	Lighting	4	1	n	20	Black	Dash lighting to pin 45
0151	GEA 24	Shunt Lo	6	1	n	20	White	
0152	GEA 24	Shunt Hi	6	1	n	20	White	
0153	Master	FW_Ground	6	1	n	20	Black	
0154	Boost Pump	FW_Ground	6	1	n	18	Black	
0155	Boost Pump	SW09	6	1	n	18	Red	
0156	SW09	M_Bus	2	1	n	18	Red	
0157	SW10	FW_Ground	3	1	n	20	Black	
0158	SW10	J271	3	1	n	20	Orange	
0159	SW10	J271	3	1	n	20	Green	
0160	SW04	Pitot	6	1	n	14	Red	
0161	SW04	M-Bus	3	1	n	14	Red	
0162	SW10	M-Bus	4	1	n	22	Red	
0163	SW10	LCU	6	1	n	22	Red	Pin 9
0164	SW3	CON7	6	1	n	20	Red	Taxi Light
0165	J243	CON12	3	3	y	22	Wh, Wh/Or, Wh/Blu	Fuel Pressure Sensor
0166	J244	CON13	3	3	y	22	Wh, Wh/Or, Wh/Blu	Oil Pressure Sensor
0167	J245	CON14	3	3	y	22	Wh, Wh/Or, Wh/Blu	Manifold Pressure Sensor
0168								
0169								
0170								

Connector	Type	Location	Connector Pin	From	Pin	Wire	To	Pin	Wire	Notes
1	Deutsch - 6	In flap mechanism housing.	1	J244		30 0052	POS-12		Orange	
			2	J244		31 0052	POS-12		Green	
			3	J244		32 0052	POS-12		Blue	
			4	TB271		7 0059	Flap Motor		Red	
			5	TB271		8 0060	Flap Motor		Black	
			6	-	-	-	-	-	-	
2	Deutsch - 8	In fuselage, under seat pan, near right wing root.	1	Shield			Shield			
			2	J281 Roll		13 0061	Con 4		4 White	
			3	J281 Roll		14 0061	Con 4		5 Grey	
			4	J281 Roll		12 0057	J272		10 0064	
			5	J281 Roll		11 0057	J272		9 0064	
			6	J281 Roll		15 0061	FW_Ground		1 0067	
			7	J281 Roll		9 0062	Con X		7 0065	Splices w/
			8	J281 Roll		11 0063	M_Bus		8 0066	
3	Deutsch - 6	In elevator	1	J244		14 0053	T3		Orange	
			2	J244		15 0053	T3		Green	
			3	J244		16 0053	T3		Blue	
			4	J281 Pitch		13 0058	T3		White	
			5	J281 Pitch		14 0058	T3		Grey	
			6	-	-	-	-	-	-	
4	Deutsch - 6	Center fuselage, under seat pan	1	J244		11 0054	T2		Orange	
			2	J244		12 0054	T2		Green	
			3	J244		13 0054	T2		Blue	
			4	Con 2		2 0056	T2		White	
			5	Con 2		3 0056	T2		Grey	
			6	-	-	-	-	-	-	
5	Deutsch - 6	In fuselage, under seat pan, near right wing root	1	LCU		6 0073	R_Lighting Unit		0074	
			2	LCU		13 0073	R_Lighting Unit		0074	
			3	LCU		12 0073	R_Lighting Unit		0074	
			4	LCU		4 0073	R_Lighting Unit		0074	Shield
			5	TB273		10 0075	R_Lighting Unit		0076	
			6	FW_Ground		2 0069	R_Lighting Unit		0070	
			7	SW3		0092	R_Lighting Unit			
6	Deutsch - 3	Rear tail, large service loop	1	LCU		7 0077	T_Light		0078	Shield
			2	LCU		8 0077	T_Light	Black	0078	
			3	LCU		15 0077	T_Light	White	0078	
7	Deutsch - 6	In fuselage, under seat pan, near left wing root	1	LCU		2	L_Lighting Unit			
			2	LCU		3	L_Lighting Unit			
			3	LCU		4	L_Lighting Unit			
			4	LCU		11	L_Lighting Unit			
			5	TB273		9 0077	L_Lighting Unit		0078	
			6	FW_Ground		3 0071	L_Lighting Unit		0072	
			7	SW3						
8	Deutsch - 12	Under pilot seat, base of control stick	1							
			2							
			3							
			4							
			5							
			6							
			7							
			8							
			9							
			10							
			11							
			12							
9	Deutsch - 2 (DTP)	In left wing root	1	SW4						
			2	GAP26		3 0094	FW_Ground			
10	Deutsch - 12	Under copilot seat, base of control stick	1							
			2							
			3							
			4							
			5							
			6							
			7							
			8							
			9							
			10							
			11							
			12							
11	Deutsch - 4	Temp Probe, under left seat pan	1	J252		1 0148	Temp Probe	White		
			2	J252		2 0148	Temp Probe	White/Or		
			3	J252		3 0148	Temp Probe	White/Bl		
			4					Shield		
12	Deutsch - 3	Fuel Pressure Transducer	1	J243		1 0077	Fuel Pressure	Green		Lo/Ground (Blue)
			2	J243		2 0077	Fuel Pressure	Black		High/Signal (White)
			3	J243		4 0077	Fuel Pressure	Red		Power (SV) (Orange)

Switch	Type	Label
	1 SPST	Strobe
	2 SPST	Position
	3 DPDT	Taxi Landing/WigWag
	4 SPST	Pitot
	5 SPST	Battery Master
	6 SPPB	TOGO
	7 DIM	Cabin Lights
	8 DIM	Bus Control
	9 SPST	Boost Pump
	10 DPDT Mom	Flaps
	11 SPST	Flood

Fuse	Amperage	For	Column1
1-1		10 Strobe Lights	
1-2		5 Position Lights	
1-3		10 Taxi Lights	
1-4		20 Landing/Wig Wag	
1-5		1 Cabin Red	
1-6		7.5 Flap	
1-7		10 Trim (Roll/Pitch)	
1-8		5 GSA28 (Roll)	
1-9		2 GAD27	
1-10		20 GAP26	
1-11		2 GMU11	
1-12		2 GEA24	
1-13		5 IBBS	
1-14		2 GSU25	
1-15		2 GAD29	
1-16		5 GNX735	
1-17		5 PFD	
1-18		2 G5	
1-19		5 GSA28(Pitch)	
1-20		5 MFD	
2-1		5 GMA245	
2-2		7.5 GTR20	
2-3		7.5 GTR200	
2-4		2 GMC507	
2-5		10 Boost Pump	
2-6		20 Pitot Heat	
2-7		5 Alt Field	
2-8		5 Starter Contactor	
2-9		2 Flood Lights	
2-10			
2-11			
2-12			
2-13			
2-14			
2-15			
2-16			
2-17			
2-18			
2-19			
2-20			

Pin	From	Pin2	Wire	Notes	Column1
A	CON2		7 0077	AP Roll	
AA	Master	N/A	0153	Master Ground	
B	CON5		6 0069	R. lighting	
BB	J7001		15 0102	GMA507	
C	CON7		6 0071	L. Lighting	
CC	P4602 (PFD)	15, 16	0114	PFD	
D	TB273		6 0081	Flaps	
DD	Boost Pump	N/A		Boost Pump	
E	LCU		1 0077	Lighting Control	
EE	SW10	N/A	0157	Flaps	
F	J272	2, 4	0085, 0086	Trim	
FF					
G					
GG					
H	J1111		9 0101	GMU11	
HH					
J	J241		9 0103	GEA24	
K	SW05	N/A	0105	IBBS Master Switch	
L	J251		9 0106	GSU25	
M	J291		9 0107	GAD 29	
N	J3751		20 0108	375 w/splices for alternate grounds and signal	
O	SW06	N/A	0113	TOGO	
P	J51		9 0117	G5	
R	J281 (Pitch)		9 0118	AP Pitch	
S	P4602 (MFD)	15,16	0120	MFD	
T					
U	IBBS		9 0122	Battery Backup	
V	J2001R		20 0125	Remote Radio	
W	J2001		20 0126	Radio	
X	J2401	5, 10, 11	0129	Audio Panel	
Y	IBBS	9, 10, 11	0122	IBBS	
Z	J271		8 0149	GAD 27	