Left Wing Rev 2

DEVICE	FUNCTION	CURRENT (A)		CB	DEVICE PLUG			DEVICE RECEPTACLE			SERVICE WIRE					ROOT PLUG			ROOT RECEPTACLE			COMMENTS
		AVERAGE	PEAK		TYPE	PIN	POS	TYPE	SOCKET	POS	SPEC	COLOUR	ID	M-CORE ID	CHECKED	TYPE	PIN	POS	TYPE	SOCKET	POS	
AeroSun VX Landing light	Sync				1261P 03092061	1380 2-09-6123	5	1261R 03-09-1061	1381 02-09-5142	5	20	WHT	VX-SYNC	-		1261P 03092061	1380 2-09-6123	2	1261R 03-09-1061	1381 02-09-5142	2	Data - Gold Terminals
	Taxy power	6.6	6.6	15A in VPX for joint feed. 7.5A cb on each side??		1190 02092101 x4	1		1189 02091102 x4	1	3C:18S	WHT	-	VX-L		1292P 03-09-2092	1190 02092101 x9	1	1292R 03-09-1091	1189 02091102 x9	1	Per Unit! AeroLED recommend 15A fuse for both units combined. Not suitable for 18g, so separate fusing for L & R
	Wig Wag						4			4		WHT/BLU	-					4			4	
	Landing Power						3			3		WHT/ORG	-					3			3	
	Ground (Screen)						2			2	18-Screen	BLK	-					2			2	
Sunspot 36 Taxy Light	Power	3.2	3.2	5A?	Screw	NA	POS	Screw	NA	POS	1C:18S	WHT	-	SS-L				6			6	
	Ground (Screen)	3.2	3.2				NEG			NEG	18-Screen	BLK	-					5			5	
Pulsar Nav & Strobe	Nav Power	0.8	0.8	2A for pair	1490P 03-09-2041	1190 02092101 x3	1	1490R 03-09-1041	1189 02091102 x3	1	2C:18S	WHT	-	PS-L				7			7	
	Strobe Power	0.6	4.8	10A for pair			3			3		WHT/BLU	-					9			9	
	Ground (Screen)	1.4	5.6				2			2	18-Screen	BLK	-					8			8	
	Sync					1380 2-09-6123	4		1381 02-09-5142	4	22	GRN	PS-SYNC	-		1261P 03092061	1380 2-09-6123 x2	5	1261R 03-09-1061	1381 02-09-5142 x2	5	Data - Gold Terminals
Fuel Sender					Screw	NA		Screw	NA		18	WHT	FS-L	-				4			4	Data - Gold Terminals
Earth Link					Screw	NA		Screw	NA		14	BLK	EL-L	-			1190 02092101	1		1189 02091102	1	
GAP 26 Pitot	Power	<12A	12.0	15A?	1545P 03-09-2022	1190 02092101 x2	2	1545R 03-09-1027	1189 02091102 x2	2	14	RED	PIT-POS	-		1261P 03092061	1190 02092101 x2	3	1261R 03-09-1061	1189 02091102 x2	3	Twisted - Banded Wires are negative ie connect WHT to Bands
	Ground						1			1	14	WHT	PIT-NEG	-				6			6	
GMU 11 Magnetometer	Power 1	0.1	0.1		N/A			J111 DSUB 15		7	22				Y	CPC 2 11-9 206486-1	205089-1 Pin x9	1	CPC 2 11-9 206485-1	205090-1 Socket x9	1	Current Draw 0.1A
	Power 2 (optional)	0.1	0.1							8	22				Y			2			2	
	Ground	0.1	0.1							9	22				Y			3			3	
	Can Bus Hi - In									1	2C:22S			CB2				4			4	Direct - No Connector? Connect after wing join, so no connector at root???
	Can Bus Lo - In									2								5			5	
	CanBus Screen - In									Backshell	22							6			6	
	Can Bus Hi - Out									1	2C:22S			CB3				7			7	
	Can Bus Lo - Out									2								8			8	
	CanBus Screen - Out									Backshell	22							9			9	

Right Wing Rev 2

DEVICE	FUNCTION	CURRENT (A) AVERAGE	CURRENT (A) PEAK	CB	DEVICE PLUG TYPE	DEVICE PLUG PIN	DEVICE PLUG POS	DEVICE RECEPTACLE TYPE	DEVICE RECEPTACLE SOCKET	DEVICE RECEPTACLE POS	SERVICE WIRE SPEC	SERVICE WIRE COLOUR	SERVICE WIRE ID	SERVICE WIRE M-CORE ID	SERVICE WIRE CHECKED	ROOT PLUG TYPE	ROOT PLUG PIN	ROOT PLUG POS	ROOT RECEPTACLE TYPE	ROOT RECEPTACLE SOCKET	ROOT RECEPTACLE POS	COMMENTS
AeroSun VX Landing light	Sync				1261P 03092061	1380 2-09-6123	5	1261R 03-09-1061	1381 02-09-5142	5	20	WHT	VX-SYNC		Y	1490P 03-09-2041	1380 2-09-6123	1	1490R 03-09-1041	1381 02-09-5142	1	Routed via Pitot Connector at root
	Taxy power	6.6	6.6	15A in VPX for joint feed. 7.5A cb on each side??		1190 02092101 x4	1		1189 02091102 x4	1	3C:18S	WHT	-	VX-R	Y	1292P 03-09-2092	1190 02092101 x9	1	1292R 03-09-1091	1189 02091102 x9	1	Per Unit! AeroLED recommend 15A fuse for both units combined. Not suitable for 18g, so separate fusing for L & R
	Wig Wag						4			4		WHT/BLU	-					4			4	
	Landing Power						3			3		WHT/ORG	-					3			3	
	Ground (Screen)						2			2	18-Screen	BLK	-					2			2	
Sunspot 36 Taxy Light	Power	3.2	3.2	5A?	1545P 03092022	1190 02092101 x2	POS	1545R 03-09-1027	1189 02091102 x2	POS	1C:18S	WHT	-	SS-R	Y			6			6	
	Ground (Screen)	3.2	3.2				NEG			NEG	18-Screen	BLK	-					5			5	
Pulsar Nav & Strobe	Nav Power	0.8	0.8	2A for pair	1490P 03-09-2041	1190 02092101 x3	1	1490R 03-09-1041	1189 02091102 x3	1	2C:18S	WHT	-	PS-R	Y			7			7	
	Strobe Power	0.6	4.8	10A for pair			3			3		WHT/BLU	-					9			9	
	Ground (Screen)	1.4	5.6				2			2	18-Screen	BLK	-					8			8	
	Sync					1380 2-09-6123	4		1381 02-09-5142	4	22	GRN	PS-SYNC		Y	1490P 03-09-2041	1380 2-09-6123 x2	2	1490R 03-09-1041	1381 02-09-5142 x2	2	
Fuel Sender					Screw	NA		Screw	NA		18		FS-R		Y			3			3	
Earth Link					Screw	NA		Screw	NA		14		EL-R		Y		1190 02092101	4		1189 02091102	4	
	CanBus Screen				NA			J281 DSUB 15			22					CPC 2 17-28 205840-3 *****	205089-1 Pin	27	CPC 2 17-28 205839-3 *****	205090-1 Socket		Direct - No Connector??
GSA 28 Roll Servo	CAN_H						1			1	2C:22S							26				
	CAN_L						2			2	2C:22S							28				
	CAN_TERM_1						3			3	22											These 2 pins connected by a jumper
	CAN_TERM_2						4			4	22											
	ID_STRAP_1						5			5	NA											Not used for Roll Servo
	ID_STRAP_2						6			6	NA											Not used for Roll Servo
	ID_STRAP_3/ (RS-232 TX for Roll Servo Only)						7			7	NA											Not used for GMC 507
	ID_STRAP_4/ (RS-232 RX for Roll Servo Only)						8			8	NA											Not used for GMC 507
	AIRCRAFT GROUND	0.36	2.8	3A			9			9	20					CPC 2 17-28 205840-3	205089-1 Pin	1				2.8A max with auto trim. This includes 1.8A max for servo and 1A max for the trim servo. Wire run 20ft pwr + gnd
	AIRCRAFT POWER	0.36	2.8	3A			10			10	20							3				
	TRIM_IN_1						11			11	22							9	CPC 2 17-28 205839-3 *****	205090-1 Socket		
	TRIM_IN_2						12			12	22							14				
	TRIM_OUT_1						13			13	22											To Trim Servo WHT
	TRIM_OUT_2						14			14	22											To Trim Servo GRY
	CWS/ DISCONNECT						15			15	22					CPC 2 17-28 205840-3	205089-1 Pin	12	CPC 2 17-28 205839-3 *****	205090-1 Socket		
Aileron Trim Servo	Power 2				Micro Molex??			Micro Molex??			22	GRY										To GSA28 Pin 14
	Power 1										22	WHT										To GSA28 Pin 13
											22	BLU				CPC 2 17-28 205840-3	205089-1 Pin	4	CPC 2 17-28 205839-3 *****	205090-1 Socket		
											22	GRN						6				
											22	ORN						8				
GTP 59 OAT Probe	Power	?	?	NA??	NA - Direct to GSU25						3C:20S	WHT				WHT						Direct - No Connector Connect after wing join, so no connector at root
	Sense											BLU				BLU						
	Low											ORN				ORN						

Wire Diameters

Type	Description	Diameter (ins)	Diameter (mm)
M27500			
M27500-18TG1T14	1C:18S	0.092	2.34
M27500-18TG2T14	2C:18S	0.154	3.91
M27500-18TG3T14	3C:18S	0.164	4.17
M27500-22TG2T14	2C:22S	0.118	3.00
M22759			
M22759/16-14		0.093	2.36
M22759/16-16		0.079	2.01
M22759/16-18		0.071	1.80
M22759/16-20		0.060	1.52
M22759/16-22		0.052	1.32