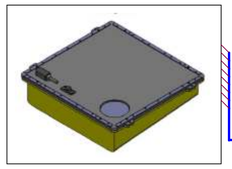

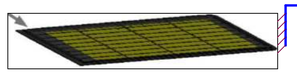

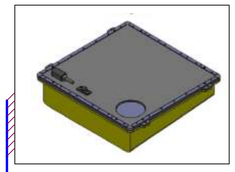

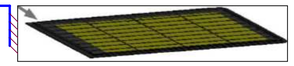

PWR : 13.2Vreg@3.0A
GROUND : GROUND REF FOR ALL PINS

PWR : 13.2Vreg, 500mA MAX
GROUND : GROUND REF FOR ALL PINS

J15 — MCIL8M

1	PWR : 13.2Vreg@3.0A
2	
3	
4	
5	
6	
7	GROUND : GROUND REF FOR ALL PINS
8	

J25 — PAYLD3(RTE)

1	PPS : FROM GPS
2	PWR : 13.2Vreg@3.0A
3	TX : RS-232 TRANSMIT
4	RX : RS-232 RECEIVE
5	AUX1 : GLIDER CONNECTION
6	AUX2 : GLIDER CONNECTION
7	GROUND : GROUND REF FOR ALL PINS
8	GPS DATA : 4800 BAUD GGA, ZDA, VTG

J13 — MCIL2M

1	PWR : 13.2Vreg, 500mA MAX
2	GROUND : GROUND REF FOR ALL PINS

J27 — LIGHT

1	PWR : 13.2Vreg, 500mA MAX
2	GROUND : GROUND REF FOR ALL PINS

J33 — MCIL6M

1	
2	
3	
4	
5	
6	

J14 — AUX PWR

1	V-AUX : AUX CHARGING INPUT
2	AIS : AIS DATA STREAM
3	PWR : 13.2Vreg
4	PWR : 13.2Vreg
5	GROUND : GROUND REF FOR ALL PINS
6	GROUND : GROUND REF FOR ALL PINS

J16 — MCIL8M

1	
2	
3	
4	
5	
6	
7	
8	

J26 — PAYLD1

1	PPS : FROM GPS
2	PWR : 13.2Vreg@3.0A
3	TX : RS-232 TRANSMIT
4	RX : RS-232 RECEIVE
5	AUX1 : GLIDER CONNECTION
6	AUX2 : GLIDER CONNECTION
7	GROUND : GROUND REF FOR ALL PINS
8	GPS DATA : 4800 BAUD GGA, ZDA, VTG

J11 — SOLAR1

1	
2	
3	
4	
5	

J28 — SOLAR2

1	V + : HIGHEST V ON SOLAR PANEL
2	V - : LOWEST V ON SOLAR PANEL
3	MID : MID V ON SOLAR PANEL FOR SHADE COMP
4	DETECT : SIGNAL SHORTED TO PIN 5 TO DETECT PANEL
5	DETECT : CONNECTED TO GROUND

J23 — WEATHER

1	N/C : NO CONNECT
2	PWR : 13.2Vreg, 300mA MAX
3	RXD- : RS-422 RCV FROM AIRMAR
4	RXD+ : RS-422 RCV FROM AIRMAR
5	TXD+ : RS-422 XMT TO AIRMAR
6	TXD+ : RS-422 XMT TO AIRMAR
7	GROUND : GROUND REF FOR ALL PINS
8	N/C : NO CONNECT

J20 — MCIL8M

1	
2	
3	
4	
5	
6	
7	
8	

J24 — SPEED

1	GROUND : GROUND REF FOR ALL PINS
2	N/C : NO CONNECT
3	PWR : 8.0Vreg, 250mA MAX
4	DATA : PADDLEWHEEL SPEED SENSOR INPUT
5	N/C : NO CONNECT
6	N/C : NO CONNECT
7	N/C : NO CONNECT
8	N/C : NO CONNECT

J19 — MCIL8M

1	
2	
3	
4	
5	
6	
7	
8	

AIRMAR SPEED SENSOR

J21 — PAYLD2

1	PPS : FROM GPS
2	PWR : 13.2Vreg@3.0A
3	TX : RS-232 TRANSMIT
4	RX : RS-232 RECEIVE
5	AUX1 : GLIDER CONNECTION
6	AUX2 : GLIDER CONNECTION
7	GROUND : GROUND REF FOR ALL PINS
8	GPS DATA : 4800 BAUD GGA, ZDA, VTG

J18 — MCIL8M

1	
2	
3	
4	
5	
6	
7	
8	

J29 — SOLAR2

1	V + : HIGHEST V ON SOLAR PANEL
2	V - : LOWEST V ON SOLAR PANEL
3	MID : MID V ON SOLAR PANEL FOR SHADE COMP
4	DETECT : SIGNAL SHORTED TO PIN 5 TO DETECT PANEL
5	DETECT : CONNECTED TO GROUND

J12 — MCIL5F

1	
2	
3	
4	
5	

J30 — UMBILICAL

1	AUX3 : TO PAYLD2 PIN 5
2	PWR : 13.2Vreg@3.0A
3	A: RUDDER CONTROL
4	B: RUDDER CONTROL
5	AUX1 : TO PAYLD1&3 PIN 5
6	AUX2 : TO PAYLD1&3 PIN 6
7	GROUND : GROUND REF FOR ALL PINS
8	AUX4 : TO PAYLD2 PIN 6

J17 — MCIL8M

1	
2	
3	
4	
5	
6	
7	
8	

J22 — MCIL8F

1	
2	
3	
4	
5	
6	
7	
8	

J31 — MCBH8M

1	
2	
3	
4	
5	
6	
7	
8	

CONNECTS TO FLUOROMETER/TOWBODY SPLIT CABLE
OR TO GLIDER MOUNTED PAYLOAD BOX (SMAC)

J32 — MCBH8F

1	AUX3 : TO PAYLD2 PIN 5
2	PWR : 13.2Vreg@0.5A
3	NC
4	NC
5	AUX1 : TO PAYLD1&3 PIN 5
6	AUX2 : TO PAYLD1&3 PIN 6
7	GROUND : GND REF FOR ALL PINS
8	AUX4 : TO PAYLD2 PIN 6

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