PCB Front / CubeSat Zp

Type	Max. Voltage	Potential Future Use	Function	Top / Outside Pin	Pin Name for Ym side / Connector A		Bottom / Inside Pin	Function	Potential Future Use	Max. Voltage	Type
Power			GND	1	GND	GND	2	GND			Power
		Signal or Power	SPI_1_PICO	3	MAMOD_A_SPI_1_PICO	MAMOD_A_I2C_1_SCL	4	I2C_1_SCL		3.3	I/O
		Signal or Power	SPI_1_POCI	5	MAMOD_A_SPI_1_POCI	MAMOD_A_I2C_1_SDA	6	I2C_1_SDA		3.3	I/O
		Signal or Power	SPI_1_SCL	7	MAMOD_A_SPI_1_SCL	GND	8	GND			Power
		Signal or Power	GND	9	GND	MAMOD_A_I2C_1_*INT	10	I2C_1_*INT		3.3	I/O
		Signal or Power	SPI_1_*CS_1	11	MAMOD_A_SPI_1_*CS_1	NC	12	NC	Signal		
		Signal or Power	SPI_1_*CS_2	13	MAMOD_A_SPI_1_*CS_2	GND	14	GND			Power
Power			GND	15	GND	MAMOD_A_CAN_1_N	16	CAN_1_N		5	I/O
Power			GND	17	GND	MAMOD_A_CAN_1_P	18	CAN_1_P		5	I/O
		Signal or Power	NC	19	NC	GND	20	GND			Power
		Signal or Power	NC	21	NC	NC	22	NC	Signal		
		Signal or Power	NC	23	NC	NC	24	NC	Signal		
		Signal or Power	NC	25	NC	NC	26	NC	Signal		
		Signal or Power	NC	27	NC	NC	28	NC	Signal		
		Signal or Power	NC	29	NC	NC	30	NC	Signal		
		Signal or Power	NC	31	NC	MAMOD_A_I2C_2_*INT	32	I2C_2_*INT		3.3	I/O
		Signal or Power	NC	33	NC	GND	34	GND			Power
		Signal or Power	NC	35	NC	MAMOD_A_I2C_2_SCL	36	I2C_2_SCL		3.3	I/O
		Signal or Power	NC	37	NC	MAMOD_A_I2C_2_SDA	38	I2C_2_SDA		3.3	I/O
		Signal or Power	NC	39	NC	GND	40	GND			Power
Input	VBAT		DEPLOY_2/RBF	41	MAMOD_A_DEPLOY_2/RBF	MAMOD_A_3V3_AUX/EN_SYS	42	3V3_AUX/EN_SYS		3.3	Power
Input	VBAT		DEPLOY_1	43	MAMOD_A_DEPLOY_1	MAMOD_A_3V3_AUX	44	3V3_AUX		3.3	Power
		Signal or Power	NC	45	NC	GND	46	GND			Power
Power			GND	47	GND	MAMOD_A_3V3_MAIN	48	3V3_MAIN		3.3	Power
Power			GND	49	GND	MAMOD_A_3V3_MAIN	50	3V3_MAIN		3.3	Power
Power			GND	51	GND	MAMOD_A_3V3_MAIN	52	3V3_MAIN		3.3	Power
Power			GND	53	GND	MAMOD_A_3V3_MAIN	54	3V3_MAIN		3.3	Power
Power			GND	55	GND	MAMOD_A_3V3_MAIN	56	3V3_MAIN		3.3	Power
Power			GND	57	GND	MAMOD_A_3V3_MAIN	58	3V3_MAIN		3.3	Power
			Key M	59	MAMOD_A_Key M	MAMOD_A_Key M	60	Key M			
			Key M	61	MAMOD_A_Key M	MAMOD_A_Key M	62	Key M			
			Key M	63	MAMOD_A_Key M	MAMOD_A_Key M	64	Key M			
			Key M	65	MAMOD_A_Key M	MAMOD_A_Key M	66	Key M			
Power	5		5V_MAIN	67	MAMOD_A_5V_MAIN	MAMOD_A_Key M	68	Key M			
Power	5		5V_MAIN	69	MAMOD_A_5V_MAIN	GND	68	GND			Power
Power	5		5V_MAIN	71	MAMOD_A_5V_MAIN	GND	70	GND			Power
Power	5		5V_MAIN	73	MAMOD_A_5V_MAIN	GND	72	GND			Power
Power	5		5V_MAIN	75	MAMOD_A_5V_MAIN	GND	74	GND			Power

PCB Back / CubeSat Zm

Type	Max. Voltage	Potential Future Use	Function	Top / Inside Pin	Pin Name for Ym side / Connector A		Bottom / Outside Pin	Function	Potential Future Use	Max. Voltage	Type
Power			GND	1	GND	GND	2	GND			Power
I/O	3.3		I2C_1_SCL	3	MAMOD_A_I2C_1_SCL	MAMOD_A_SPI_1_PICO	4	SPI_1_PICO	Signal or Power		
I/O	3.3		I2C_1_SDA	5	MAMOD_A_I2C_1_SDA	MAMOD_A_SPI_1_POCI	6	SPI_1_POCI	Signal or Power		
Power			GND	7	GND	MAMOD_A_SPI_1_SCL	8	SPI_1_SCL	Signal or Power		
I/O	3.3		I2C_1_*INT	9	MAMOD_A_I2C_1_*INT	GND	10	GND	Signal or Power		
		Signal	NC	11	NC	MAMOD_A_SPI_1_*CS_1	12	SPI_1_*CS_1	Signal or Power		
Power			GND	13	GND	MAMOD_A_SPI_1_*CS_2	14	SPI_1_*CS_2	Signal or Power		
I/O	5		CAN_1_N	15	MAMOD_A_CAN_1_N	GND	16	GND			Power
I/O	5		CAN_1_P	17	MAMOD_A_CAN_1_P	GND	18	GND			Power
Power			GND	19	GND	NC	20	NC	Signal or Power		
		Signal	NC	21	NC	NC	22	NC	Signal or Power		
		Signal	NC	23	NC	NC	24	NC	Signal or Power		
		Signal	NC	25	NC	NC	26	NC	Signal or Power		
		Signal	NC	27	NC	NC	28	NC	Signal or Power		
		Signal	NC	29	NC	NC	30	NC	Signal or Power		
I/O	3.3		I2C_2_*INT	31	MAMOD_A_I2C_2_*INT	NC	32	NC	Signal or Power		
Power			GND	33	GND	NC	34	NC	Signal or Power		
I/O	3.3		I2C_2_SCL	35	MAMOD_A_I2C_2_SCL	NC	36	NC	Signal or Power		
I/O	3.3		I2C_2_SDA	37	MAMOD_A_I2C_2_SDA	NC	38	NC	Signal or Power		
Power			GND	39	GND	NC	40	NC	Signal or Power		
Power	3.3		3V3_AUX/EN_SYS	41	MAMOD_A_3V3_AUX/EN_SYS	MAMOD_A_DEPLOY_2/RBF	42	DEPLOY_2/RBF		VBAT		Input
Power	3.3		3V3_AUX	43	MAMOD_A_3V3_AUX	MAMOD_A_DEPLOY_1	44	DEPLOY_1		VBAT		Input
Power			GND	45	GND	NC	46	NC	Signal or Power		
Power	3.3		3V3_MAIN	47	MAMOD_A_3V3_MAIN	GND	48	GND			Power
Power	3.3		3V3_MAIN	49	MAMOD_A_3V3_MAIN	GND	50	GND			Power
Power	3.3		3V3_MAIN	51	MAMOD_A_3V3_MAIN	GND	52	GND			Power
Power	3.3		3V3_MAIN	53	MAMOD_A_3V3_MAIN	GND	54	GND			Power
Power	3.3		3V3_MAIN	55	MAMOD_A_3V3_MAIN	GND	56	GND			Power
Power	3.3		3V3_MAIN	57	MAMOD_A_3V3_MAIN	GND	58	GND			Power
			Key M	59	MAMOD_A_Key M	MAMOD_A_Key M	60	Key M			
			Key M	61	MAMOD_A_Key M	MAMOD_A_Key M	62	Key M			
			Key M	63	MAMOD_A_Key M	MAMOD_A_Key M	64	Key M			
			Key M	65	MAMOD_A_Key M	MAMOD_A_Key M	66	Key M			
			Key M	67	MAMOD_A_Key M	MAMOD_A_5V_MAIN	68	5V_MAIN		5	Power
Power			GND	69	GND	MAMOD_A_5V_MAIN	68	5V_MAIN		5	Power
Power			GND	71	GND	MAMOD_A_5V_MAIN	70	5V_MAIN		5	Power
Power			GND	73	GND	MAMOD_A_5V_MAIN	72	5V_MAIN		5	Power
Power			GND	75	GND	MAMOD_A_5V_MAIN	74	5V_MAIN		5	Power