

Multi-Function Input/Output (MFIO) – DB25 Pin Out

FUNCTION	PIN OUT	COMMENTS
DAC Out-1	20	Reverse indicator (5Volts 50Ω)
DAC Out-2	21	Gyro #1 (5Volts 50Ω)
DAC Out-3	9	Forward Accelerometer (5Volts 50Ω)
DAC Out-4	22	Lateral Accelerometer (5Volts 50Ω)
Ground	8	(all grounds tied together)
Wheel Tick-1	18	Left Front Wheel (Discrete 50Ω)
Wheel Tick-2	6	Right Front Wheel (Discrete 50Ω)
Wheel Tick-3	19	Left Rear Wheel (Discrete 50Ω)
Wheel Tick -4	7	Right Rear Wheel (Discrete 50Ω)
Ground	11	(all grounds tied together)
IMU Data +	10	SDLC or AMRAAM Data + RS422
IMU Data -	23	SDLC or AMRAAM Data 1 RS422
DAC2 Out-2	12	Gyro #2 (5Volts 50Ω)
DAC2 Out-1	24	Gyro #3 (5Volts 50Ω)
DAC2 Out-4	13	Unused (5Volts 50Ω)
DAC2 Out-3	25	Vertical Accelerometer (5Volts 50Ω)
GenPurpOut1	1	Programmable Output discrete
GenPurpOut2	14	Programmable Output discrete
GenPurpOut3	2	Programmable Output discrete
GenPurpOut4	15	Programmable Output discrete
RTS/CTS Low	3	Programmable Output discrete
RTS/CTS HI	16	Programmable Output discrete
GenPurpIn1	4	Programmable Input discrete (unused)
GenPurpIn2	17	Programmable Input discrete (unused)