

## Motorola Quantar Controller Connection Diagram

J17	Quantar Function	Controller Function	RLCx
1	Line 1 Audio (+)	Transmit input	4
2	Line 2 Audio (+)	Receive output	5
18	RD + stat Relay	COS (Active Low)	7
37	Aux out 2	PL detect (active Low Open Collector)	2
47	Aux in 9 opto -	PTT (active Low)	3
26	Line 1 Audio (-)	Ground	6,8,9
27	Line 2 Audio (-)	Ground	6,8,9
43	RD – Stat relay	Ground	6,8,9
22	Aux in 9 opto +	Connect to 5 volts (J17 pin 8)	
8	+ 5 Volts	Connect to Aux 9 Opto + (j17 pin 22)	

### Notes:

Wildcard programming is used to generate the COS and PL signals.

Wildcard programming is used to accept external PTT

Connections are to 50 pin "Telco" connector, J17.

1. Input 9 (pin 47) is PTT in . Action KEY FROM WL; Inaction DEKEY FROM WL.
2. COS output: (pin 18) State – RX CAR DETECT. Action SET OUTPUT 7; Inaction CLR OUTPUT 7.
3. PL Output (pin 37) State – RX PL DETECT Action SET OUPUT 2; Inaction CLR OUTPUT 7.

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