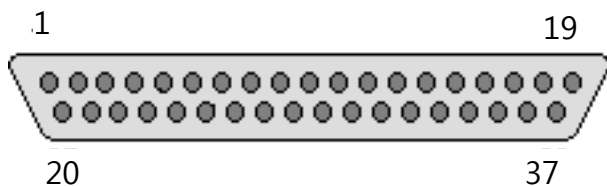


Connector A Pinout Diagram, Single-Screen System

Connector A is a 37-Pin D-Sub female connector that attaches to the male EFIS 37-pin D-sub. Pins that are certain to be used, such as the Magnetometer connections, are pre-wired at GRT. Commonly used optional wires are supplied as loose pinned wires. Empty pins are optional; for example, Pins 10-19 are reserved for Grey code output if your transponder requires it.

Pin		Function	Wire Color
1	⇒	Primary Power Input	RED
2	▽	Secondary Power Input	RED/BLU
3	⇒	GND	BLK
4	⇒	MAG GND	BLK
5	⇒	MAG X	WHT/GRN
6	⇒	MAG Y	WHT/BRN
7	⇒	MAG Z	WHT
8	⇒	MAG CNTRL	WHT/BLU
9	⇒	MAG PWR	WHT/RED
10	▼	D4 Alt Encoder Output	
11	▼	C4 Alt Encoder Output	
12	▼	C2 Alt Encoder Output	
13	▼	C1 Alt Encoder Output	
14	▼	B4 Alt Encoder Output	
15	▼	B2 Alt Encoder Output	
16	▼	B1 Alt Encoder Output	
17	▼	A4 Alt Encoder Output	
18	▼	A2 Alt Encoder Output	
19	▼	A1 Alt Encoder Output	



Wiring Harness Connector as viewed from REAR (wired side)

Pin		Function	Wire Color
20		Tone (future use)	
21	▽	GPS Memory	RED/WHT
22		NC	
23		NC	
24		NC	
25		NC	
26	▼	RX5**	
27	▼	TX5**	
28	▼	Warning Light	
29	▽	OAT Sensor	GRY
30	▼	RX1 GPS Serial Input	
31	▽	RX2 EIS Serial Input	GRN/BLK
32		RX3 Internal GPS*	
33	▼	RX4	
34	▽	TX1 A/P Serial Output	BLU
35	▼	TX2 Encoder Serial Out	
36		TX3 Internal GPS*	–
37		TX4	
	⇒	Connected in wiring harness	
	▽	Supplied as loose pinned wires	
	▼	Optional wiring	

*NOTE: See Figure A-1 for information about optional Internal GPS and Serial Port 3.

**Applies to SX with CPU/GPU processor upgrade.