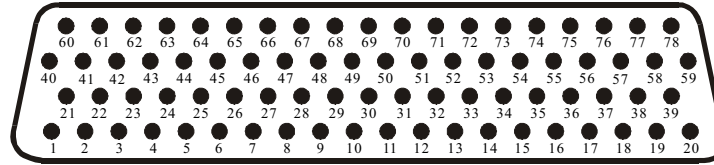


## 4. SYSTEM INTERCONNECTS

### 4.1 Pin Function List

#### 4.1.1 P4001 Main Connector

(View looking at rear of unit)



Pin	Pin Name	I/O
1	VLOC ANNUNCIATE	Out
2	GPS ANNUNCIATE	Out
3	WAYPOINT ANNUNCIATE	Out
4	TERMINAL ANNUNCIATE	Out
5	APPROACH ANNUNCIATE	Out
6	MESSAGE ANNUNCIATE	Out
7	OBS ANNUNCIATE	Out
8	SPARE ANNUNCIATE	Out
9	INTEGRITY ANNUNCIATE	Out
10	ANNUNCIATE D	Out
11	ANNUNCIATE E	Out
12	ALTITUDE ALARM ANNUNCIATE	Out
13	GPS SELECT	Out
14	ILS/GPS APPROACH	Out
15	AIRCRAFT POWER 2	In
16	TIME MARK OUT	Out
17	MAIN LATERAL SUPERFLAG	Out
18	MAIN VERTICAL SUPERFLAG	Out
19	AIRCRAFT POWER 1	In
20	AIRCRAFT POWER 1	In
21	MAIN +LEFT	Out
22	MAIN +RIGHT	Out
23	MAIN LATERAL +FLAG	Out
24	MAIN LATERAL -FLAG (GROUND)	Out
25	MAIN +TO	Out
26	MAIN +FROM	Out
27	MAIN +UP	Out
28	MAIN +DOWN	Out
29	MAIN VERTICAL +FLAG	Out
30	MAIN VERTICAL -FLAG (GROUND)	Out
31	MAIN OBS ROTOR C	Out
32	MAIN OBS ROTOR H (GROUND)	Out
33	MAIN OBS STATOR D	In
34	MAIN OBS STATOR E (2.5V COMMON OBS)	Out
35	MAIN OBS STATOR F	In
36	MAIN OBS STATOR G (2.5V COMMON OBS)	Out
37	AUDIO 1 HI	Out
38	AUDIO 1 LO (GROUND)	Out
39	LIGHTING BUS HI	In
40	LIGHTING BUS LO	In
41	GPS RS-232 OUT 3	Out
42	GPS RS-232 IN 3	In

Pin	Pin Name	I/O
43	MAIN OBI CLOCK	Out
44	MAIN OBI DATA	Out
45	MAIN OBI SYNC	Out
46	GPS ARINC 429 OUT A	Out
47	GPS ARINC 429 OUT B	Out
48	GPS ARINC 429 IN 1 A	In
49	GPS ARINC 429 IN 1 B	In
50	GPS ARINC 429 IN 2 A	In
51	GPS ARINC 429 IN 2 B	In
52	RESERVED	--
53	RESERVED	--
54	GPS RS-232 OUT 4	Out
55	GPS RS-232 IN 4	In
56	GPS RS-232 OUT 1	Out
57	GPS RS-232 IN 1	In
58	GPS RS-232 OUT 2	Out
59	GPS RS-232 IN 2	In
60	ALTITUDE COMMON (GROUND)	Out
61	ALTITUDE C4	In
62	ALTITUDE C2	In
63	ALTITUDE C1	In
64	ALTITUDE B4	In
65	ALTITUDE B2	In
66	ALTITUDE B1	In
67	ALTITUDE A4	In
68	ALTITUDE A2	In
69	ALTITUDE A1	In
70	ALTITUDE D4	In
71	OBS MODE SELECT	In
72	AIRCRAFT POWER 2	In
73	CDI SOURCE SELECT	In
74	COM REMOTE RECALL [1]	In
75	DEMO MODE SELECT	In
76	RESERVED	--
77	AIRCRAFT GROUND	--
78	AIRCRAFT GROUND	--

[1] Main software version 3.00 or later