SIGMET

Wx/ASR Receiver Plate
As–built Discrete Wiring

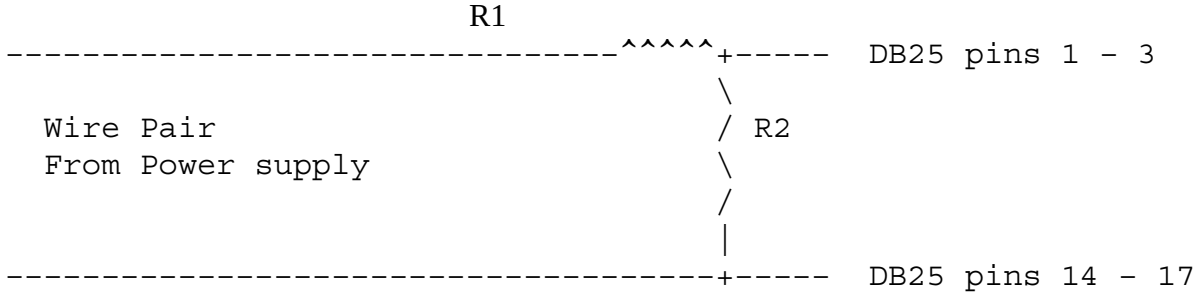
As supplied under Baron PO #7281
Last Revision May 2, 2004

Wiring For Noise Source and Switch Control DB25F–A

Termination 1	Termination 2	Description	Wire Color	Wire Gauge
DB25A–1	Noise Source TTL	Noise source enable	brown	22
DB25A–2	Switch–3	Command 1	blue	26
DB25A–3	Switch–4	Command 2	purple	26
DB25A–5	Switch–6	Indicate 1	gray	26
DB25A–6	Switch–7	Indicate 2	white	26
DB25A–24, 25	Plate Ground Lug	Ground	green	22
24V PS V+	Switch–1	Switch power +	yellow	26
24V PS V–	Switch–2	Switch power –	black	26
Switch–5	Plate Ground Lug	Indicate common	green	22

Note 1: DC RTN terminal of all three power supplies has common connection to plate ground lug
Note 2: Ground wire of AC Mains connected to plate ground lug
Note 3: 24V and 5V PS (including ground wires) connected to terminal lugs on DAFC
Note 4: 15V+ and 15RTN go to LNA and Pre–Amp and noise source (bias connector) in three separate wire runs
Note 5: LNA, Pre–Amp and noise source have 0.1 uf capacitor across DC input power terminals
Note 6: Connections from power supplies to **DB25B "PS Sense"** should be made as diagrammed below:

Wiring for PS Sense DB25F–B



Resistors are ¼ watt.

The values for R1 and R2 are as follows:

Power Supply	R1	R2	Wire Color	Wire Gauge
+24VDC Stalo PS (DB25B Pins 1, 14)	3.8K	1K	Brn/grn	26
+5 VDC Stalo PS (DB25B Pins 2, 15)	Not Required	Not Required	Blue/gray	26
+15 VDC Receiver PS (DB25B Pins 3, 16)	2K	1K	Purp/wht	26

Photographs of the Receiver Plate

Receiver Plate I/O Panel

Receiver Plate
Stalo (w/ 10 MHz ref source), DC Power Supplies and IFD

Receiver Plate
Perspective showing RF component interconnection.