

3. SCHEMATICS

The schematics for the ADC-835-3 system are provided in the appendices to the user's manual. Listings of these drawings are provided on the following pages.

Appendix A Drawings / SchematicsSystem – 835-3:

3-kW Transmitter Interconnect	1176-8527
3-kW Amplifier Array Interconnect.....	1176-8528
Transmitter Interconnect.....	1247-8000

AC Distribution Panel, Exciter Cabinet

Interconnect	1247-8100
--------------------	-----------

UHF Exciter

Block Diagram.....	1227-3200
Control Locations.....	1227-7200
Interconnect	1227-8200

3-kW Amplifier Array Assembly:

Interconnect	1176-8528
--------------------	-----------

AC Distribution Assembly, Amplifier Array Assembly

Interconnect	1245-8300
--------------------	-----------

600-Watt UHF Amplifier Tray (six in the amplifier array assembly)

Block Diagram.....	1227-3300
Control Locations.....	1227-7300
Interconnect	1227-8300

Appendix B Drawings / Schematics

UHF Filter	
Schematic	1007-3101
(Optional) FSK Identifier Board	
Schematic	1016-3107
Channel Oscillator Board, Dual Oven	
Schematic	1145-3201
(Optional) VCXO Board, Dual Oven	
Schematic	1145-3204
AGC Splitter Board	
Schematic	1181-3002
IF Carrier Oven Oscillator Board, 45.75 MHz	
Schematic	1191-3404
x8 Multiplier Board	
Schematic	1227-3002
Visual/Aural Metering Board	
Schematic	1227-3202
+12V(4A)/-12V(1A) Power Supply Board	
Schematic	1227-3203
(Optional) Delay Equalizer Board	
Schematic	1227-3204
Aural IF Synthesizer Board	
Schematic	1227-3205
ALC Board	
Schematic	1227-3207
Clamp/Modulator Board	
Schematic	1227-3208
Transmitter Control Board	
Schematic	1227-3209
UHF Upconverter Board	
Schematic	1227-3237
IF Phase Corrector Board	
Schematic	1227-3250
Dual Stage Amplifier Board, Class AB	
Schematic	1227-3301

1-Watt Amplifier Board	
Schematic	1227-3303
Dual Stage Amplifier Board, Class A	
Schematic	1227-3305
Amplifier Protection Board	
Schematic	1227-3306
Dual Peak Detector Board, Single Supply	
Schematic	1227-3307
Amplifier Control Board	
Schematic	1227-3308
4-Way Combiner Board	
Schematic	1227-3311
4-Way Splitter Board	
Schematic	1227-3312
Coupler Board	
Schematic	1227-3316
Variable Gain/Phase Board	
Schematic	1227-3330
Dual Peak Detector Board, Single Supply	
Schematic	1227-3333
Combiner Reject Load Board	
Assembly Drawing.....	1278-5311