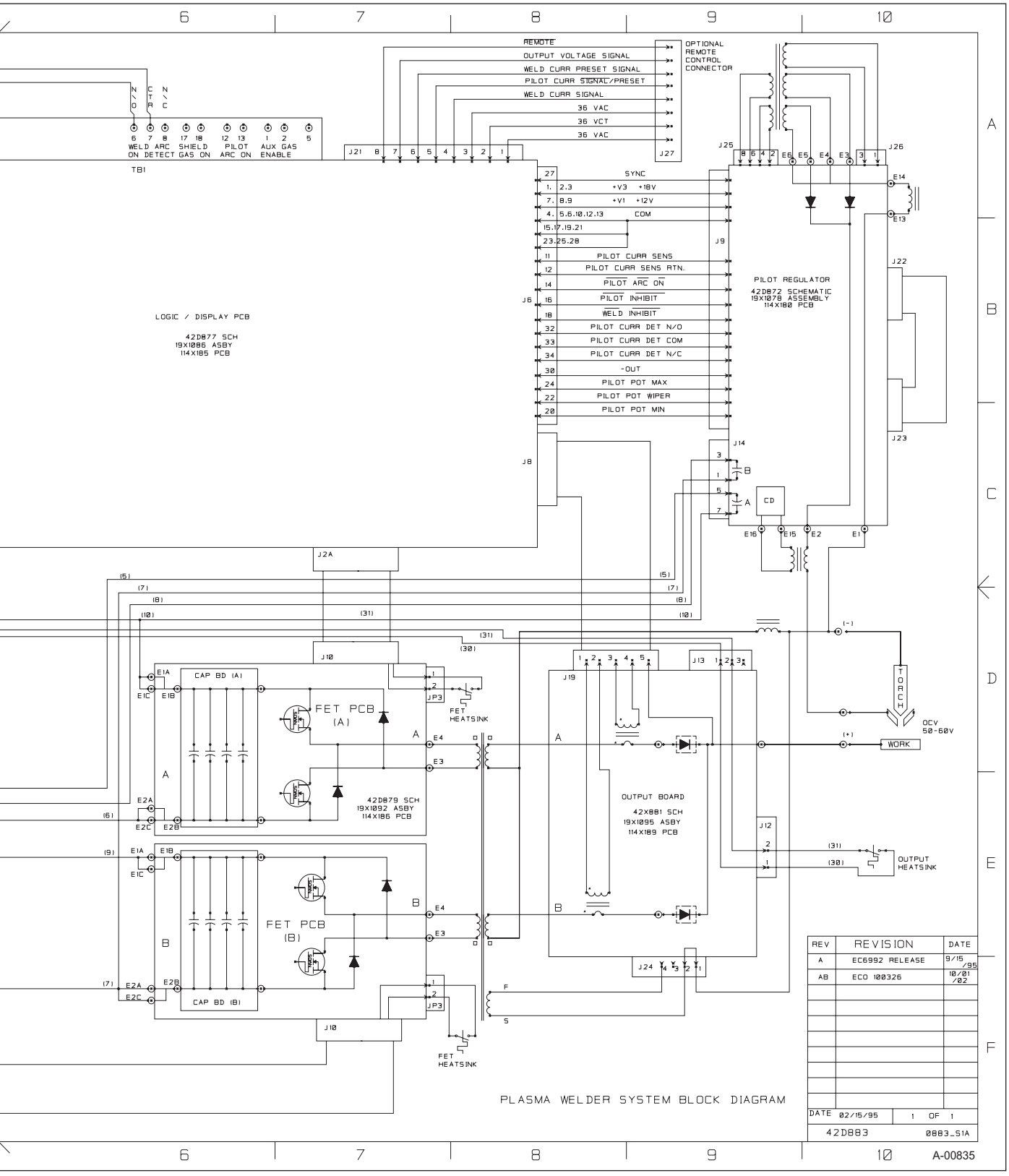
REMOTE
OUTPUT VOLTAGE SIGNAL
WELD CURR PRESET SIGNAL
PILOT CURR SIGNAL/PRESET
WELD CURR SIGNAL
36 VAC
36 VCT
36 VAC
OPTIONAL REMOTE CONTROL CONNECTOR
J27
J21
TB1
WELD ON
ARC DETECT
SHIELD GAS ON
PILOT ARC ON
AUX GAS ENABLE
SYNC
+V3 +18V
+V1 +12V
COM
PILOT CURR SENS
PILOT CURR SENS RTN.
PILOT ARC ON
PILOT INHIBIT
WELD INHIBIT
PILOT CURR DET N/O
PILOT CURR DET COM
PILOT CURR DET N/C
-OUT
PILOT POT MAX
PILOT POT WIPER
PILOT POT MIN
J9
J6
J8
J25
J26
J22
J23
J14
PILOT REGULATOR
42D872 SCHEMATIC
19X1078 ASSEMBLY
114X180 PCB
LOGIC / DISPLAY PCB
42D877 SCH
19X1086 ASBY
114X185 PCB
CD
J2A
J10
CAP BD (A)
FET PCB (A)
FET HEATSINK
42D879 SCH
19X1092 ASBY
114X186 PCB
CAP BD (B)
FET PCB (B)
J19
J13
OUTPUT BOARD
42X881 SCH
19X1095 ASBY
114X189 PCB
J12
J24
OUTPUT HEATSINK
TORCH
OCV 50-60V
WORK
REV REVISION DATE
A EC6992 RELEASE 9/15/95
AB ECO 100326 10/01/02
DATE 02/15/95 1 OF 1
42D883 0883_S1A
PLASMA WELDER SYSTEM BLOCK DIAGRAM
A-00835