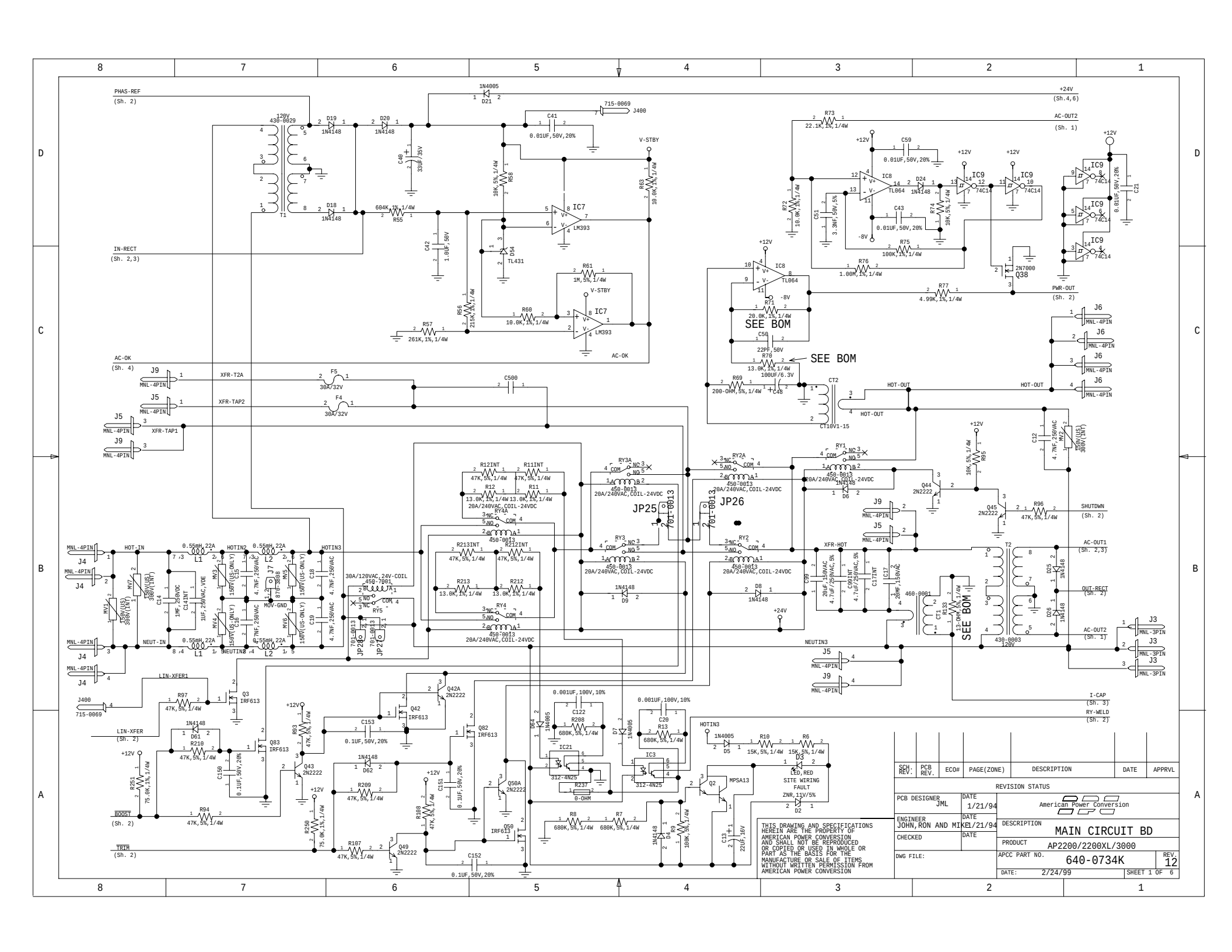
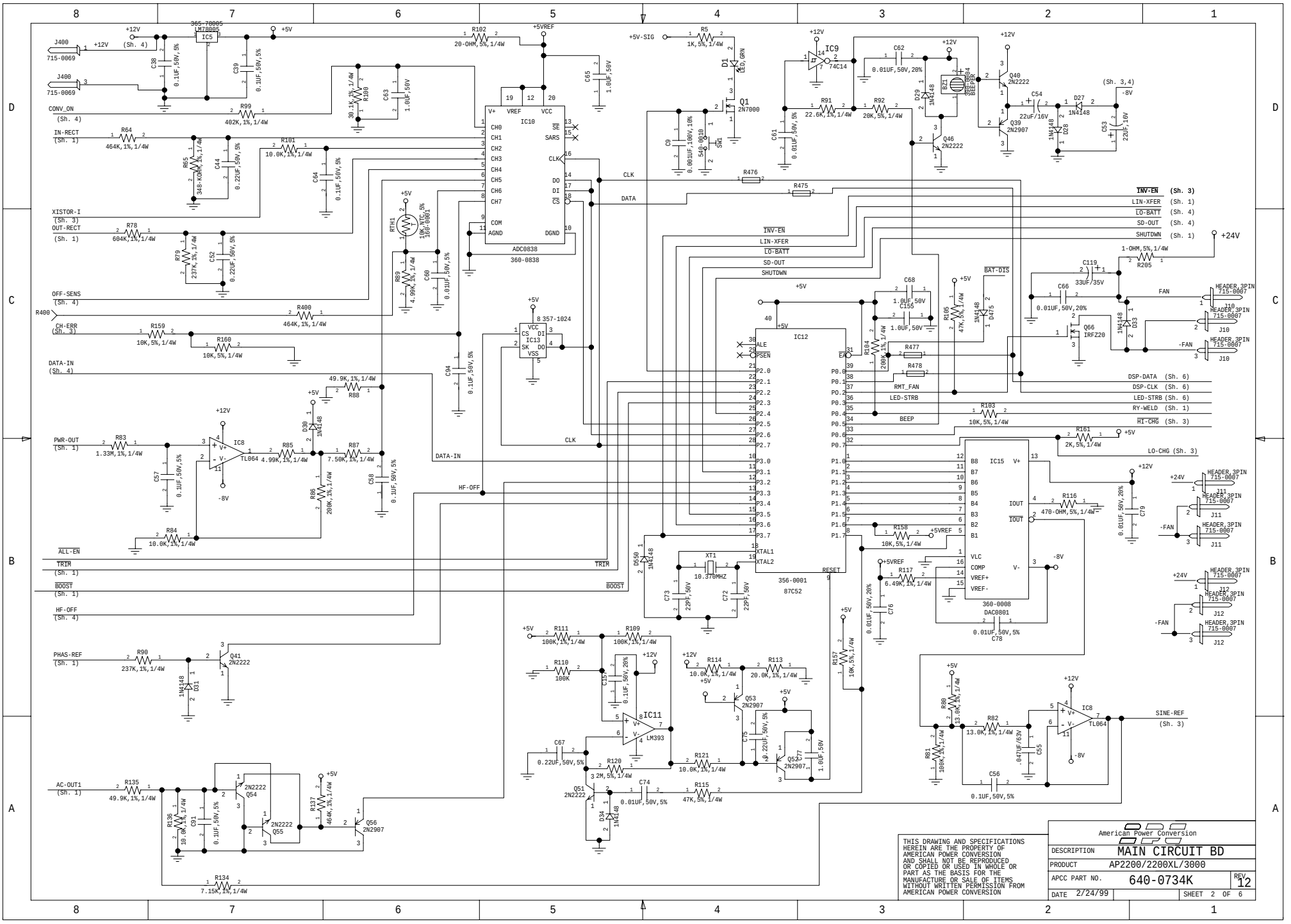
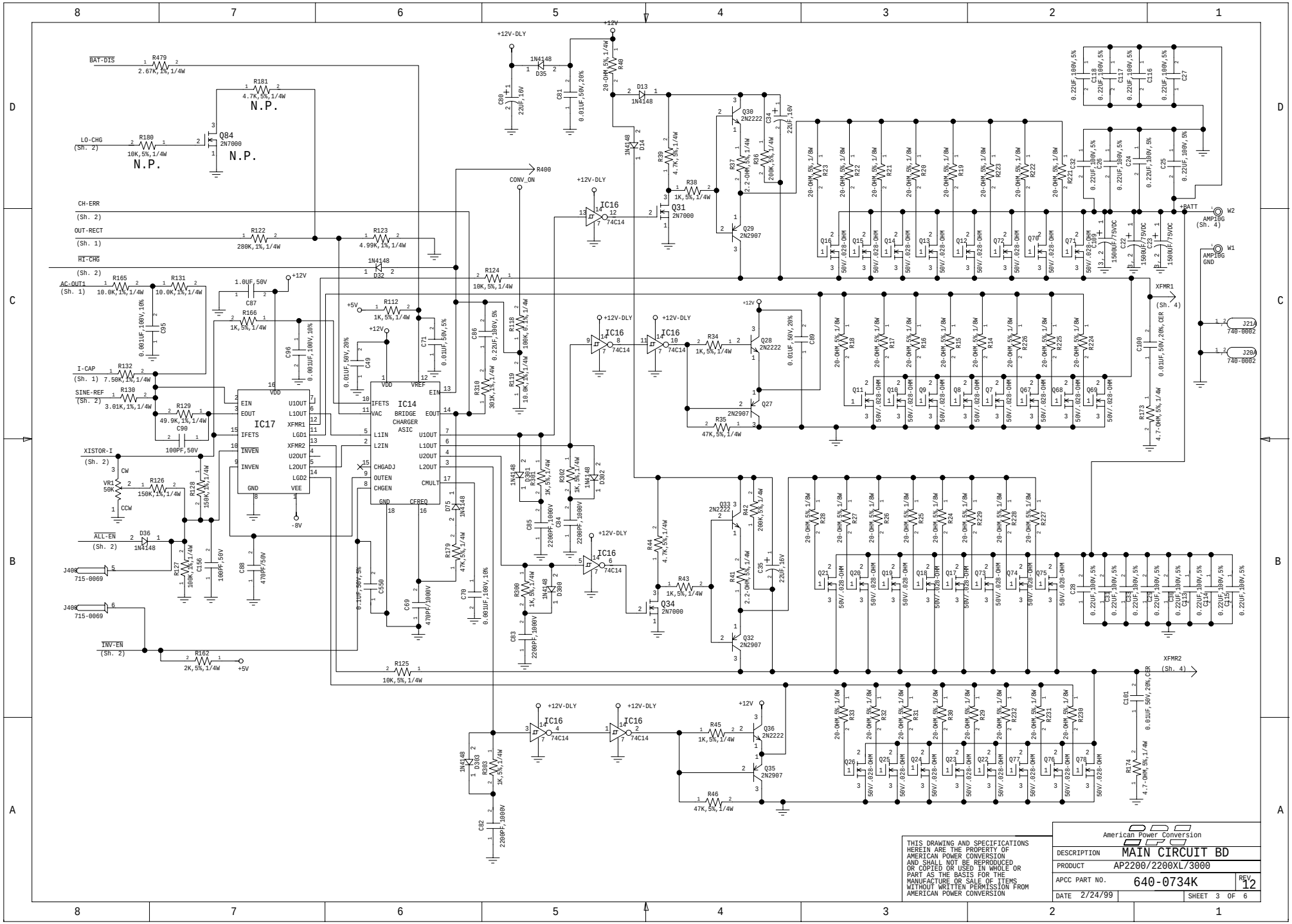

PHAS-REF
(Sh. 2)
IN-RECT
(Sh. 2,3)
AC-OK
(Sh. 4)
XFR-T2A
XFR-TAP2
XFR-TAP1
V-STBY
+24V
(Sh.4,6)
AC-OUT2
(Sh. 1)
PWR-OUT
(Sh. 2)
HOT-OUT
SEE BOM
HOTIN1
HOTIN2
HOTIN3
NEUT-IN
NEUTIN2
NEUTIN3
MOV-GND
XFR-HOT
SHUTDWN
(Sh. 2)
OUT-RECT
(Sh. 2)
AC-OUT1
(Sh. 2,3)
I-CAP
(Sh. 3)
RY-WELD
(Sh. 2)
LIN-XFER1
LIN-XFER
(Sh. 2)
BOOST
(Sh. 2)
TRIM
(Sh. 2)
JP25
JP26
JP27
JP28
T1
T2
CT1
CT2
CT10V1-15
IC7
LM393
IC8
TL064
IC9
74C14
TL431
D54
RY1
RY2
RY3
RY4
RY5
450-0013
20A/240VAC,COIL-24VDC
701-0013
30A/120VAC,24V-COIL
450-7001
F4
30A/32V
F5
30A/32V
F7
6T-30A
L1
0.55mH,22A
L2
0.55mH,22A
715-0069
J400
430-0029
120V
430-0003
120V
MNL-4PIN
MNL-3PIN
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SCH. REV:
PCB REV.
ECO#
PAGE(ZONE)
DESCRIPTION
DATE
APPRVL
REVISION STATUS
PCB DESIGNER JML
DATE 1/21/94
ENGINEER JOHN,RON AND MIKE
DATE 1/21/94
CHECKED
DATE
DWG FILE:
American Power Conversion
DESCRIPTION MAIN CIRCUIT BD
PRODUCT AP2200/2200XL/3000
APCC PART NO. 640-0734K
REV. 12
DATE: 2/24/99
SHEET 1 OF 6

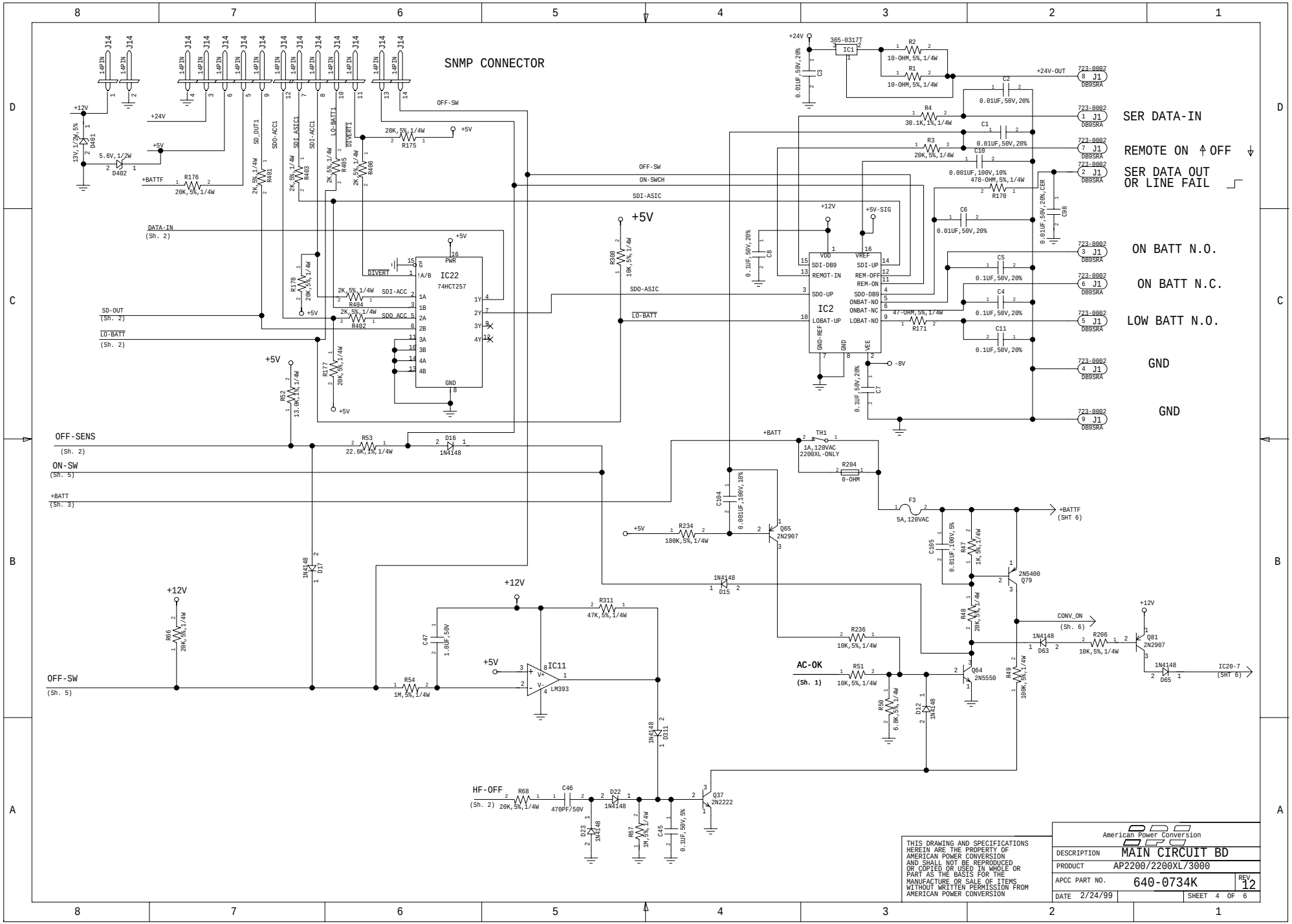


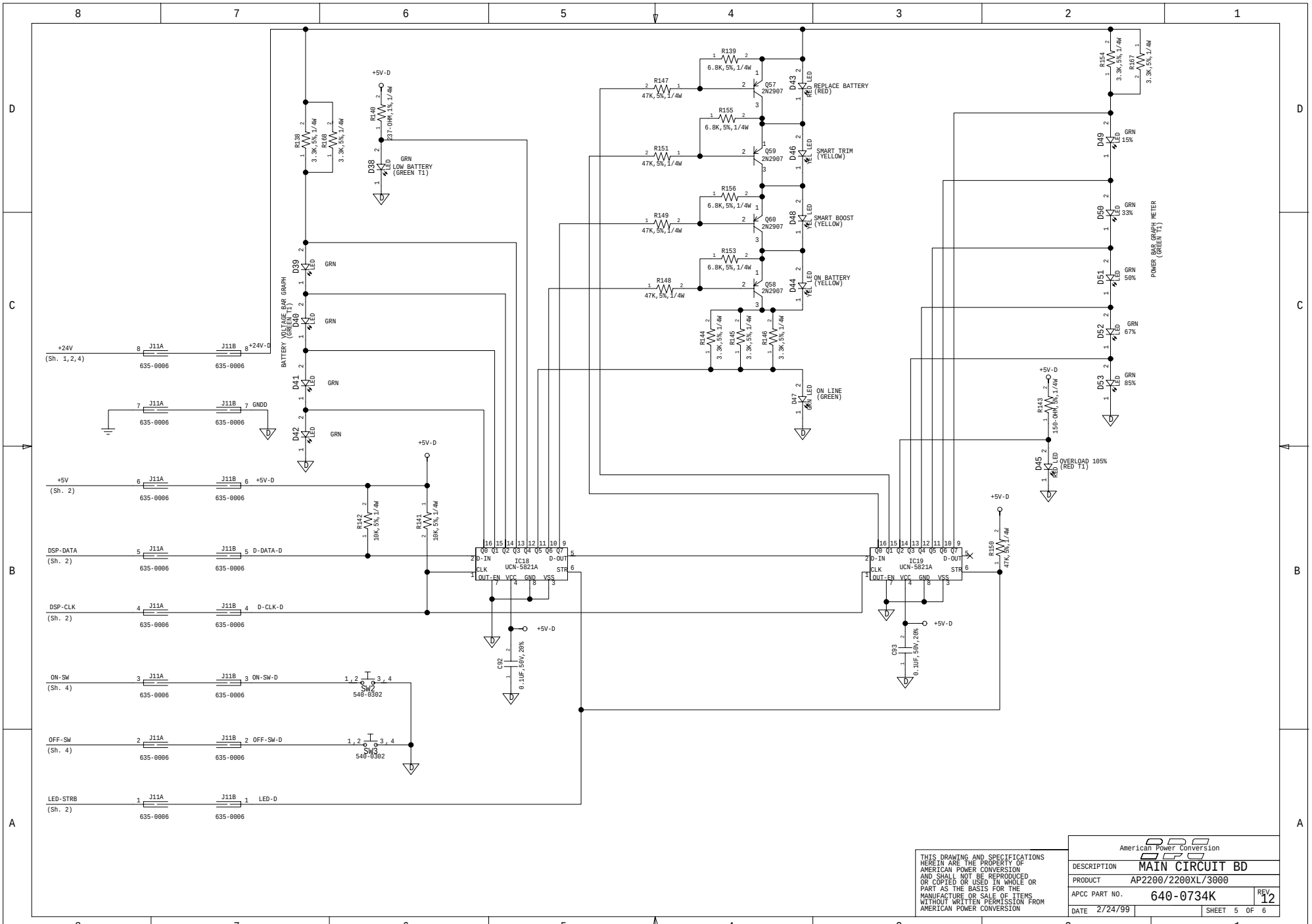
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American Power Conversion

DESCRIPTION	MAIN CIRCUIT BD
PRODUCT	AP2200/2200XL/3000
APCC PART NO.	640-0734K
REV	12
DATE	2/24/99
SHEET	2 OF 6


BAT-DIS
LO-CHG
(Sh. 2)
CH-ERR
(Sh. 2)
OUT-RECT
(Sh. 1)
HI-CHG
(Sh. 2)
AC-OUT1
(Sh. 1)
I-CAP
(Sh. 1)
SINE-REF
(Sh. 2)
XISTOR-I
(Sh. 2)
ALL-EN
(Sh. 2)
INV-EN
(Sh. 2)
CONV_ON
R400
+12V-DLY
+12V
+5V
-8V
+BATT
XFMR1
(Sh. 4)
XFMR2
(Sh. 4)
W1
AMP10G
GND
W2
AMP10G
(Sh. 4)
J21
740-0002
J20
740-0002
J400
715-0069
IC14
CHARGER
ASIC
IC16
74C14
IC17
N.P.
20-OHM,5%,1/8W
50V/.028-OHM
0.22UF,100V,5%
1500UF/75VDC
0.01UF,50V,20%
0.01UF,50V,10%
0.001UF,100V,10%
0.01UF,50V,5%
0.22UF,100V,5%
0.01UF,100V,10%
2200PF,1000V
470PF,1000V
100PF,50V
1N4148
2N2222
2N2907
2N7000
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American Power Conversion
DESCRIPTION MAIN CIRCUIT BD
PRODUCT AP2200/2200XL/3000
APCC PART NO. 640-0734K
REV 12
DATE 2/24/99
SHEET 3 OF 6

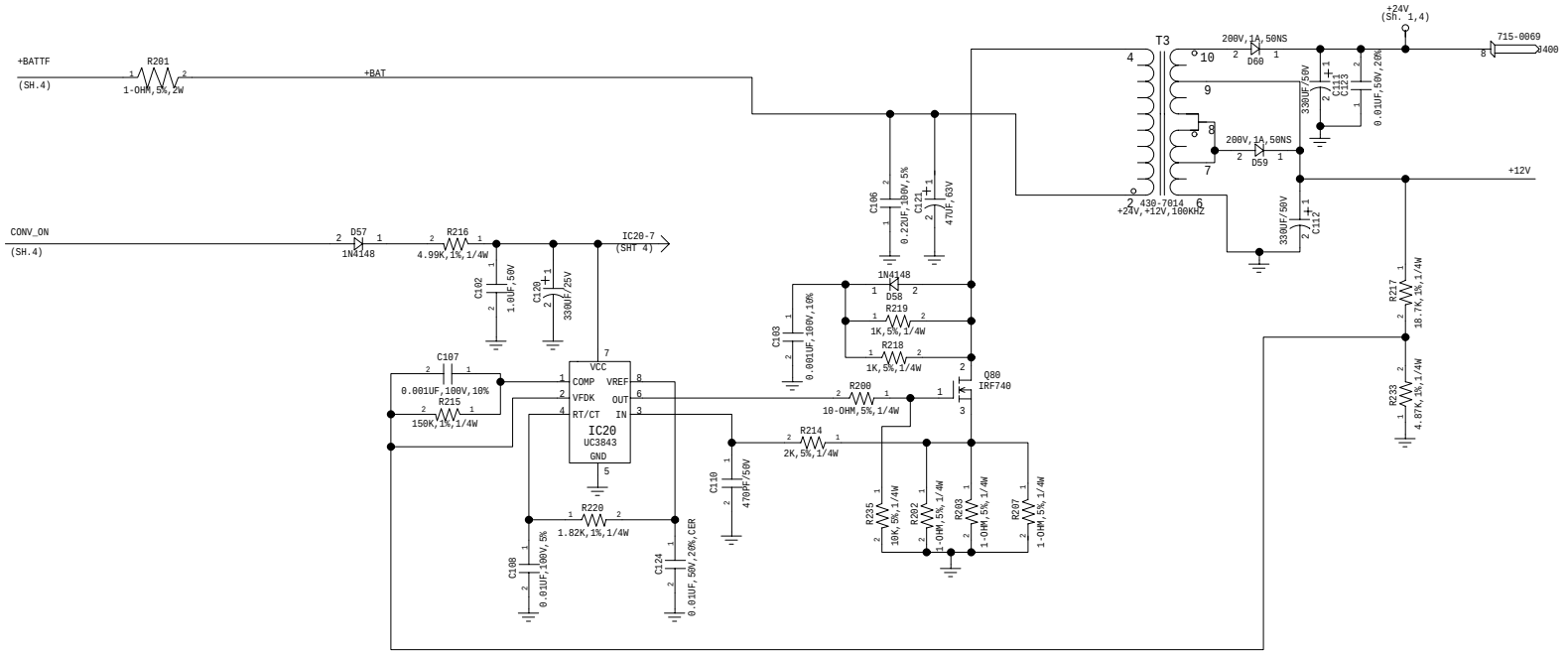

SNMP CONNECTOR
SER DATA-IN
REMOTE ON ↑ OFF ↓
SER DATA OUT OR LINE FAIL
ON BATT N.O.
ON BATT N.C.
LOW BATT N.O.
GND
GND
OFF-SW
ON-SWCH
SDI-ASIC
SDO-ASIC
LO-BATT
DATA-IN (Sh. 2)
SD-OUT (Sh. 2)
LO-BATT (Sh. 2)
OFF-SENS (Sh. 2)
ON-SW (Sh. 5)
+BATT (Sh. 3)
OFF-SW (Sh. 5)
HF-OFF (Sh. 2)
AC-OK (Sh. 1)
CONV_ON (Sh. 6)
+BATTF (SHT 6)
IC20-7 (SHT 6)
IC22 74HCT257
IC2
IC11 LM393
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American Power Conversion
DESCRIPTION MAIN CIRCUIT BD
PRODUCT AP2200/2200XL/3000
APCC PART NO. 640-0734K
REV. 12
DATE 2/24/99
SHEET 4 OF 6



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American Power Conversion

DESCRIPTION	MAIN CIRCUIT BD
PRODUCT	AP2200/2200XL/3000
APCC PART NO.	640-0734K
REV.	12
DATE	2/24/99
SHEET	5 OF 6



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American Power Conversion

DESCRIPTION	MAIN CIRCUIT BD
PRODUCT	AP2200/2200XL/3000
APCC PART NO.	640-0734K
REV.	12
DATE	2/24/99
SHEET	6 OF 6