10 Schematic Diagrams

10-1 Main Part Schematic Diagram

SCHEMATIC DIAGRAM

CHASSIS NO: Andromeda PROJECT

MODEL NO: AN19L/J(S/T) CA19JS PU19JV

CAUTION

1.THE SHADED AREAS AND MARKS IN THE SCHEMATIC DIAGRAM AND THE PARTS LIST DESIGNATE COMPONENTS WHITCH HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY AND SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL CIRCUIT OR SPECIFIED IN THE PARTS LIST. BEFORE REPLACING ANY OF THESE COMPONENTS , READ CAREFULLY THE "PRODUCT SAFETY NOTICE".

2.DURING A NEMEROUS MEASUREMENT OF THIS MONITOR MATTERS THAT DEMAND SPECIAL ATTENTION IS FOLLOWING .
1) DO NOT USE YOUR INSTRUMENT BETWEEN PRIMARY GROUND (SYMBOL) AND SECONDARY CIRCUIT
2) DO NOT USE YOUR INSTRUMENT BETWEEN PRIMARY GROUND (SYMBOL) AND PRIMARY CIRCUIT
3.THE SHADED AREAS IS A PRIMARY SECTION (HOT PART).

AVERTISSMENT: "CE RECEPTEUR EST EQUIPE DE COMPOSANTS CRITIQUES POUR LA SECURITE TOUTESLES PIECES REMPLACEES DOIVENT ETRE IDENTIQUES AU SCHEMA SOIT CELLES QUI POUR LA SECURITE POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL NE PEUVENT LACER LE PARIS . ICANT DONT LE FONCTIONNEMENT EST CRITITE QUE PAR DES PIECES RECOMMANDEES PAR LE FABRICANT CONSULTER LA NOMENCLAYURE DES PIECES POUR TROUVER

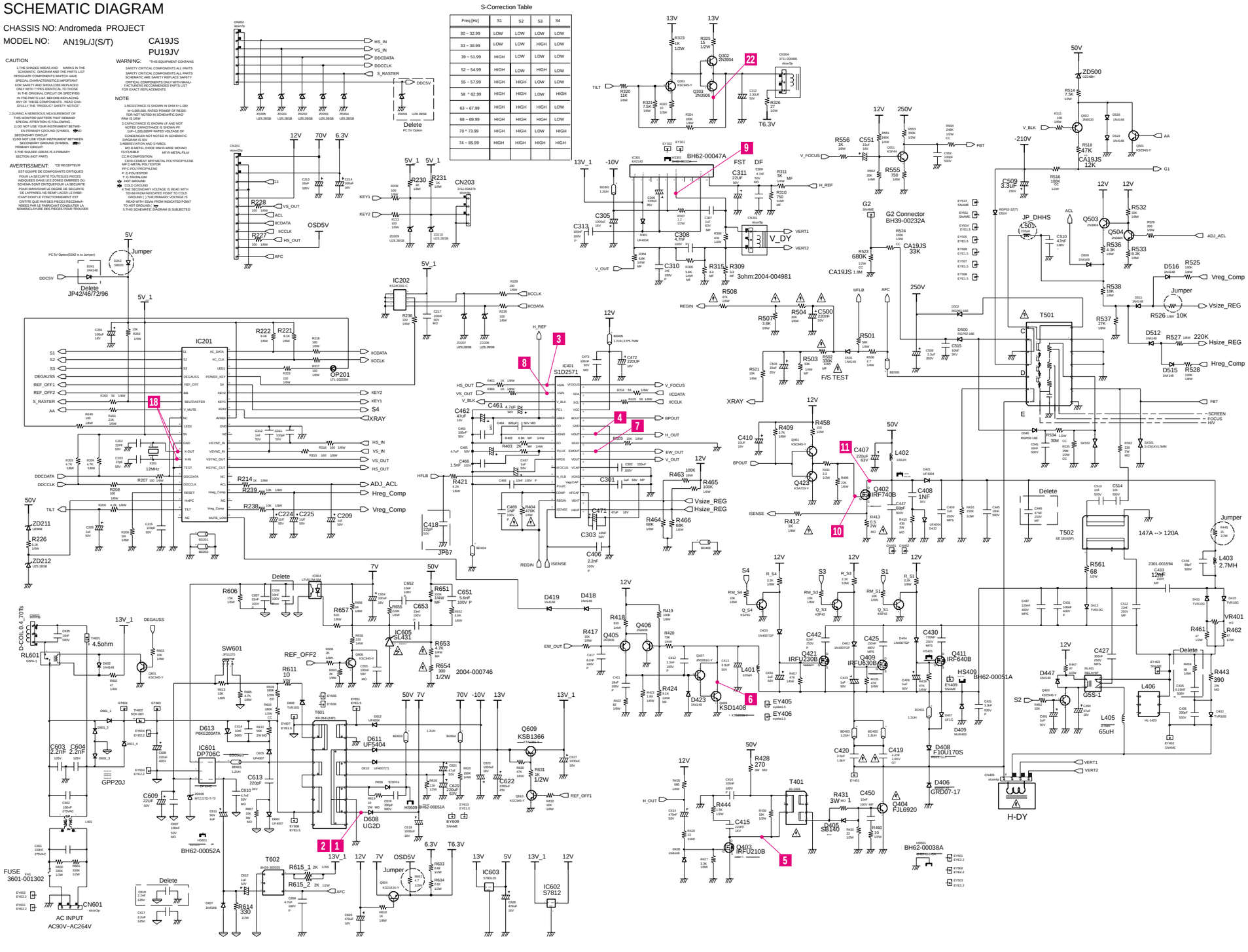
WARNING: "THIS EQUIPMENT CONTAINS SAFETY CRITICAL COMPONENTS ALL PARTS SAFETY CRITICAL COMPONENTS ALL PARTS SCHEMATIC ARE SAFETY REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURERS RECOMMENDED PARTS LIST FOR EXACT REPLACEMENTS

NOTE

1.RESISTANCE IS SHOWN IN OHM K=1,000 M=1,000,000. RATED POWER OF RESISTOR NOT NOTED IN SCHEMATIC DIAGRAM IS 1/4W
2.CAPACITANCE IS SHOWN UF AND NOT NOTED CAPACITANCE IS SHOWN PF. IUF=1,000,000PF RATED VOLTAGE OF CONDENCER NOT NOTED IN SCHEMATIC DIAGRAM IS 50V.
3.ABBREVIATION AND SYMBOL
MO:R-METAL OXIDE MW:R-WARSE WOUND MF:R-METAL FILM
CC:R-COMPOSITION
CM:R-CEMENT MPP:METAL POLYPROPYLENE
MP:C-METAL POLYESTOR
PP:C-POLYPROPYLENE
F :C-POLYESTOR
T :C-TANTALUM
HOT GROUND
COLD GROUND
4.THE SECONDARY VOLTAGE IS READ WITH (+)IS FROM INDICATED POINT TO COLD GROUND ( ) THE PRIMARY VOLTAGE IS READ WITH SCAN FROM INDICATED POINT TO HOT GROUND( )
5.THIS SCHEMATIC DIAGRAM IS SUBJECTED

S-Correction Table

Freq [Hz]	S1	S2	S3	S4
30 ~ 32.99	LOW	LOW	LOW	LOW
33 ~ 38.99	LOW	LOW	HIGH	LOW
39 ~ 51.99	HIGH	LOW	LOW	LOW
52 ~ 54.99	HIGH	LOW	HIGH	LOW
55 ~ 57.99	HIGH	HIGH	LOW	LOW
58 ~ 62.99	HIGH	HIGH	LOW	HIGH
63 ~ 67.99	HIGH	HIGH	HIGH	LOW
68 ~ 69.99	HIGH	HIGH	HIGH	HIGH
70 ~ 73.99	HIGH	HIGH	LOW	HIGH
74 ~ 85.99	HIGH	HIGH	HIGH	HIGH


HS_IN
VS_IN
DDCDATA
DDCCLK
S_RASTER
DDC5V
Delete
PC 5V Option
12V
70V
6.3V
VS_OUT
ACL
IICDATA
IICCLK
HS_OUT
AFC
OSD5V
5V_1
CN203
3711-004079
KEY1
KEY2
IC202
KS24C080-C
IC201
GP201
LTL-10323W
GP20J
S1
S2
S3
DEGAUSS
REF_OFF1
REF_OFF2
S_RASTER
AA
KEY2
KEY1
S4
XRAY
HS_IN
VS_IN
VS_OUT
HS_OUT
ADJ_ACL
Hreg_Comp
Vreg_Comp
12MHz
50V
TILT
ZD211
R226
ZD212
DDCDATA
DDCCLK
JP87
IC401
S1D2571
H_REF
HFLB
REGIN
ISENSE
V_FOCUS
IICDATA
IICCLK
BPOUT
H_OUT
EW_OUT
V_OUT
Vsize_REG
Hsize_REG
C461
4.7uF 50V
C462
47uF
C418
22uF
50V
JP67
C303
10nF
50V
C406
2.2nF
100V
C471
47uF 16V
R463
100K
R465
100K
R464
68K
R466
68K
IC603
G780LVB
IC602
S7812
T602
BH25-3030ZS
R615_1 2K 1/2W
R615_2 2K 1/2W
R614
330
1/2W
OSD5V
Jumper
Q604
KSD1616-Y
R633
6.8Ω
1/2W
R634
6.8Ω
1/2W
6.3V
T6.3V
13V_1
AFC
D607
1N4148
C612
1uF
50V
C616
2.2nF
125V
C617
2.2nF
125V
Delete
BD202
AC INPUT
AC90V~AC264V
CN601
FUSE
3601-001302
RL601
4.5ohm
SW601
REF_OFF2
R611
10
2004-000746
BH62-00052A
BH62-00051A
BH62-00038A
IC601
DP706C
GP20J
C603
2.2nF
C604
2.2nF
C609
22UF
50V
C613
220pF
D608
UG2D
D609
UF4007(T)
D611
UF5404
D612
UF4004
D613
P6KE200ATA
Q609
KSB1366
Q610
KSC945-Y
REF_OFF1
R631
1K
1/2W
R620
150K
1/2W
R621
47uF
50V
R622
47K
1/2W
C622
2200uF
25V
C623
1000uF
6V
C627
1000uF
16V
HS609
BH62-00051A
T601
EE-35411(SMT)
D605
UF4007
D606
TVS120G
D610
UF4004
C610
4.7nF
50V
R607
22K
3W
D604
UF4007
C611
1.2UH
R609
100
1/2W
R610
180K
1/2W
CC
R612
56K
2W MO
R613
10
2W MO
C614
10nF
500V
C615
4.7nF
500V
C618
1000uF
16V
C619
1000uF
16V
C620
220uF
63V
C621
47uF
50V
R619
100K
1/2W
R616
47K
1/2W
R617
10K
1/2W
R618
10K
1/2W
R608
10K
1/2W
R609
100K
1/2W
R610
180K
1/2W
CC
R611
10
R612
56K
2W MO
R613
10K
1/2W
R605
4.7K
1/2W
R606
10K
1/2W
C606
220UF
400V
C607
100nF
50V
MO
C608
220uF
400V
C605
2200PF
2KV
C604
2.2nF
125V
C603
2.2nF
125V
C602
150nF
275VAC
C601
150nF
275VAC
L601
R602
330K
1/2W
R601
100K
1/2W
R603
10K
1/2W
C601
100nF
275VAC
C602
150nF
275VAC
C603
2.2nF
125V
C604
2.2nF
125V
C605
2200PF
2KV
C606
220UF
400V
C607
100nF
50V
MO
C608
220uF
400V
C609
22UF
50V
C610
4.7nF
50V
MO
C611
1.2UH
C612
1uF
50V
C613
220pF
C614
10nF
500V
C615
4.7nF
500V
C616
2.2nF
125V
C617
2.2nF
125V
C618
1000uF
16V
C619
1000uF
16V
C620
220uF
63V
C621
47uF
50V
C622
2200uF
25V
C623
1000uF
6V
C625
470uF
16V
C626
470uF
16V
C627
1000uF
16V
C628
470uF
16V
D601_1
D601_2
D601_3
D601_4
D602
1N4148
D603
1N4148
D604
EY2.2
D605
UF4007
D606
TVS120G
D607
1N4148
D608
UG2D
D609
UF4007(T)
D610
UF4004
D611
UF5404
D612
UF4004
D613
P6KE200ATA
D614
1N4148
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1N4148
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D632
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D633
1N4148