

TMS320C6455 DSK
508552-0001
SPECTRUM DIGITAL INCORPORATED

6455_dsk_netlist.NET
Revised: Monday, June 26, 2006
Revision: A

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SMTCON40X2A
SFM140L2SDLC

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J1301
ST-3500
Microphone In

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J1302
ST-3500
Head Phone Out

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[
J1303
ST-3500
Line In

]
[
J1304
ST-3500
Line Out

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CONNECTOR 40 X 2

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SMTCON40X2A

CONNECTOR 40 X 2

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SOLC-115
HEADER 4x15
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J8
CON7X2
HEADER 7x2, Emu1
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J9
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AMC CONN
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SMT FEMALE HEADE
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EXB-2HVS

RPACK8-10

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RPACK4-33
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RPACK4-33
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EXB-28VS
RPACK4-33
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EXB-28VS
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PUSHBUTTON

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SW DIP-8/SM

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MDINT

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CON1
TestPoint1

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CON1
TestPoint1

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SMT-TP030
TP

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CON1
TestPoint1

] [
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CON1
TestPoint1

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TP6
CON1
TestPoint1

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TP7
CON1
TestPoint1

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CON1  
TestPoint1
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TP702  
CON1  
TestPoint1
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TP703  
CON1  
TestPoint1
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TP704  
CON1  
TestPoint1
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TP705  
CON1  
TestPoint1
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TP8  
CON1  
TestPoint1
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]  
[  
TP9  
CON1  
TestPoint1
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U1  
DCK5  
SN74LVC1G32
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tmx320c6455ztz
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SN74LVC1G32
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LXT971ALE
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CB3LV
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U17
TSSOP48
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TSSOP16
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U28
CB3LV
25 MHz
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U29
CB3LV
50 MHz
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TSSOP16
SN74CBTLV3257PW
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ICS512
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BGA21X9_92
MT47H64M16BT
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MT47H64M16BT
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U701
PSOP20T
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] [
U702
PSOP28T
TPS54610PWP

] [
U703
PSOP28T
TPS54610PWP

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] [
U705
DBV6

TPS3808G01DBVR

] [
U706
DBV6
TPS3808G01DBVR

] [
U707
DRB8
TPS73615DRB

] [
U708
SSOP14
74HC21PW

] [
U709
TO-263
UC385TDKTTT-ADJ

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U8
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SN74AHC1G14

] [
U9
DCK5
SN74AHC1G14

] [
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XUSB_Emu
XUSB_Emu

] [
Y1106

ABM7
25MHz

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U10,M27
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J9,B48
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(
N18113416
RN40,3
U10,M25
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J9,B47
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U10,T25
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J9,B54
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U10,R28
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J9,B53
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MUX_EMU1
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U25,7
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ISR_TDO_16735933
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J9,B63
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MUX_EMU0
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RN42,8
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U10,R25
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DSPA_RIOTXP2
U10,AG18
J9,B62
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RN42,6
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U10,P27
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J9,B69
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U12,84
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N18114264
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J9,B68
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C172,1
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U10,AC17
U10,AD16
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(
N18114678
RN39,4
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(
N18114816
RN39,5
U10,T28
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(
N18114963
RN39,6
U10,U28
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(
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PWR1,14
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R51,1
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C240,1
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R484,1
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U10,T1
R486,1
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(
N19901843
R487,1
U10,T2
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R446,2
U34,37
U6,29
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SW3,2
U39,13
R45,1
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(
N19883872
R485,1
U10,F1
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(
DSPA_TAE5
RN39,11
R456,1
R434,2
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U5,40
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DSPA.BOOT1
SW3,3
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U39,4
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)
(
MII_RESETZ
U12,77
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CLKS1
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R495,2
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U10,AF9
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U10,W27
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R440,2
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SW3,4
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R43,1
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CLKR1
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HUR_TCK
U10,AJ9
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R105,2
R104,1
R96,2
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R442,2
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U34,2
U5,29
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  U34,22
  R57,1
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  R460,1
  R438,2
  U34,6
  U5,35
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  R46,1
  U40,1
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  U4,12
  RN45,8
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  U12,10
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(
  DSPA_TAE14
  RN40,10
  R443,2
  R464,1
  U34,1
  U5,27
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  RN45,7
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  R457,1
  U34,8
  U5,38
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  R1102,2
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(
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  RN45,6
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(
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  RN2,9
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  U6,44
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  R1103,2
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  R436,2
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U33,L7
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U39,2
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DC_CLKR1
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J3,39
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R429,2
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U34,19
U5,47
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N20355841
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DC_DR1
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J3,42
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N17335248
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U5,1
U5,24
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RN2,11
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(
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U6,30
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DC_FSR1
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U32,N2
U33,N2
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R463,1
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U5,30
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U4,2
J3,34
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N16720709
P1102,9
P1102,11
R1109,1
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R453,1
R431,2
U12,100
U34,17
U5,44
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DC_DX1
U3,2
J3,36
)
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SW1,5
U12,97
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(
DSP_EMU9
U10,AH13
RN1,11
)
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DSPA_TBEA7
U10,B17
U32,U2
U33,U2
)
(
DSPA_TAE8
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R459,1
R437,2
U34,36
U5,36
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(
DC_CLKX1
U4,11
J3,33
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(
USER_SW2
SW1,6
RN25,7
U12,94
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(
DSPA_TBED15
U10,C7
U32,E9
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(
DSPA_TAE4
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R455,1
U34,15
U5,41
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DC_FSX1
U3,11
J3,35
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SW1,7
U12,93
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DSPA_TBED8
U10,C9
U32,F8
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  R465,1  
  U34,40  
  U5,26  
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  U1307,22  
  RN1314,7  
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  D3,ANODE  
  R52,2  
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(  
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  SW1,8  
  U12,35  
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(  
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  U10,AF26  
  U36,5  
  R211,2  
  J9,B71  
  U1307,23  
  RN1314,6  
)  
(  
  DSP_EMU7  
  U10,AF12  
  RN1,15  
)  
(  
  DSPA_TBED28  
  U10,A24  
  U33,G1  
)  
(  
  DSPA_TAE10  
  RN40,14  
  R461,1  
  R439,2  
  U34,5  
  U5,33  
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  J6,4  
  R99,1  
  JP4,1  
  J5,CENTER  
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  U10,AG8
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RN1,16
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  DSPA_TBED21
  U10,B21
  U33,L9
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(
  DSPA_TAE18
  RN41,3
  U39,8
  R447,2
  U34,38
  U6,27
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(
  DSPA_I2C_SCL
  U10,AG26
  U36,6
  R212,2
  J9,B56
  U1307,24
  RN1314,5
)
(
  DSPA_TAAOEZ
  R61,2
  U12,17
  U34,24
  U6,38
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(
  XDS_TCKRET
  J8,9
  R17,1
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  U10,N4
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(
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  U32,G3
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(
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  J1304,1
  R1343,1
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(
  DSPA.MCRS
  U10,J4
  R1107,2
)
(
  N19828621
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RN43,2
U10,L4
)
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N9230933
U1307,9
C1324,1
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(
DSPA_TBDDQS3P
U10,E23
U33,E7
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(
DSPA.MRXER
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N19828557
R480,1
U10,M5
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(
DSPA_TBED4
U10,A10
U32,L1
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(
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U10,AJ28
RN37,12
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(
DSPA.MCOL
U10,K3
R1108,2
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N19828623
RN43,4
U10,K4
)
(
N2268434
C1315,1
R1326,1
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DSPA_TBED1
U10,B12
U32,K2
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N19828612
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U10,M1
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  R1337,1
  R1334,2
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  U33,R3
  U32,R3
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(
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  U10,AG25
  RN33,13
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  R1105,2
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  R477,1
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  U10,B16
  U32,R2
  U33,R2
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(
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  U10,AJ26
  RN33,11
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  U10,N3
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(
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  U1158,56
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  U10,D8
  U32,D8
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(
  DSPA_AED28
  U10,AC27
  RN38,12
)
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RN43,3
U10,M4
)
(
N9230944
C1323,1
U1307,10
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DSPA_AED24
U10,AC25
RN38,16
)
(
XDS_TMS
U7,21
J8,1
R31,1
)
(
DSPA_AED1
U10,AF25
RN33,15
)
(
CPLD_MCBSP1_MUX
U12,69
U4,1
U3,1
)
(
XDS_TDI
J8,3
U7,25
)
(
N9655642
C1344,2
R1340,2
R1342,1
L1307,1
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(
DSPA_AED19
U10,AF29
RN37,13
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(
N9233239
U1307,3
RN1316,6
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(
DSPA_TBED10
U10,E9
U32,G7
)
(
DSPA_AED31
U10,AA27
RN38,9
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  R500,2  
  J1,1  
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(  
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  C1320,2  
  J1301,2  
  J1301,3  
  L1301,1  
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(  
  DSPA_TBED26  
  U10,C22  
  U33,G7  
)  
(  
  DSPA_AED9  
  U10,AG27  
  RN35,15  
)  
(  
  DSPA_PSERRN  
  J1,33  
  U10,U2  
)  
(  
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  C1345,2  
  J1304,2  
  L1307,2  
)  
(  
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  U10,C11  
  U32,J3  
)  
(  
  DSPA_AED6  
  U10,AJ27  
  RN33,10  
)  
(  
  DSPA_PCBE1N  
  J1,29  
  U10,U1  
)  
(  
  HURRICANE_DET  
  C125,1  
  R94,2  
  J7,A1  
  U7,38  
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(  
  XDS_EMU0  
  U25,2  
  J8,13  
  R29,1
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T_MII_COL
U1158,62
R1108,1
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(
N9233214
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RN1316,8
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(
DSPA_TBCEZ
U10,E14
U32,P8
U33,P8
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(
DSPA_AED18
U10,AH28
RN37,14
)
(
DSPA.PCLK
U10,V3
J1,77
)
(
XDS_EMU1
J8,14
U25,5
R28,1
)
(
T_MII_CRS
U1158,63
R1107,1
)
(
N9653797
C1337,2
R1339,1
)
(
DSPA_TBED12
U10,B7
U32,G1
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(
DSPA_AED7
U10,AE25
RN33,9
)
(
DSPA.PFRAMEN
J1,44
U10,U3
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T_MII_RCLK
U1158,52
R1106,1
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N17135532
L1306,2
C1340,1
J1304,3
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(
DSPA_TBFA12
U10,A15
U32,V2
U33,V2
)
(
DSPA_AED11
U10,AD26
RN35,13
)
(
DSPA_PCBE2N
J1,49
U10,T5
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(
T_MII_RXD0
U1158,48
RN1101,1
)
(
N17139709
J1301,1
R1327,1
)
(
DSPA_AED4
U10,AE27
RN33,12
)
(
DSPA_PIRDYN
J1,45
U10,T4
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(
T_MII_RXD1
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RN1101,2
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LLINE_OUT
U1307,12
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(
DSPA_TBED22
U10,C21
U33,J1
)
(
DSPA_AED10
U10,AF27
RN35,14
)
(
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DSPA.PPAR
J1,32
U10,T3
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(
T_MII_RDX2
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RN1101,3
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N9653788
C1338,2
R1340,1
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U10,A21
U33,L1
)
(
DSPA_AED12
U10,AE26
RN35,12
)
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DSPA.PSTOPN
J1,36
U10,U5
)
(
T_MII_RXD3
U1158,45
RN1101,4
)
(
N17138852
J1303,3
C1329,1
L1304,1
)
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DGND
SW1,3
SW1,4
SW1,1
SW1,2
R54,2
R37,2
R36,2
C138,2
R411,1
R410,1
U29,2
R63,2
C134,2
C133,2
C126,1
C137,2
U31,3
U28,2
C129,2
U33,H3
U33,J2
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U33,E8
U33,L8
U33,H7
U33,L2
U33,G2
C153,2
C151,2
C150,2
C149,2
C142,2
C143,2
U32,J2
C157,2
C148,2
U32,G8
U32,T1
U32,M7
U32,L8
U32,L2
U32,G2
U32,U9
U33,M7
U32,E2
U32,D3
U33,J8
C144,2
U33,M3
C146,2
U32,H7
U32,H3
U33,G8
U33,U9
C145,2
C155,2
C154,2
C152,2
C156,2
U32,M3
U33,E2
U33,D7
U33,T1
U33,D3
C147,2
U32,J8
U32,E8
U32,D7
R414,2
C140,2
C158,2
R21,1
R20,1
C41,2
C42,2
R445,1
R464,2
R462,2
SW3,15
SW3,16
R449,2
R455,2
SW3,8
SW3,7
R463,2

SW3,12
R459,2
SW3,14
R450,2
R460,2
R447,1
R461,2
R446,1
SW3,13
R448,1
SW3,6
U39,7
C36,2
C37,2
U40,3
R467,2
R465,2
R451,2
R452,2
R453,2
R454,2
R458,2
R456,2
R457,2
R22,2
R24,2
U12,38
U12,59
U12,26
U12,78
U12,88
C72,2
C38,2
C40,2
JP3,2
JP3,10
U12,74
U12,43
C68,2
U12,53
U12,11
C70,2
U12,95
U12,89
C69,2
U12,33
C39,2
U12,86
C71,2
U12,65
U12,49
C160,2
C159,2
U34,23
U34,39
C162,1
U36,7
U36,4
R76,2
U3,8
R12,2
C13,2
C120,2

R493,2
U3,12
U4,8
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R488,2
U35,10
C161,2
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  U7,15
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  U33,G3
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  U7,14
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  U32,J9
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  U34,27
  U17,44
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(
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J4,58
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R18,1
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U32,L7
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U16,43
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  C1344,1  
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  C1322,1  
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  R1333,2  
  U1307,11  
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  C1319,2  
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  C1331,2  
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  U33,J7  
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U33,R8
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  C1340,2
  C1317,2
  C1328,1
  C1320,1
  R1327,2
  R1312,1
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  U1301,3
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U33,F7
U33,V1
U33,M1
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C151,1
C153,1
C149,1
C143,1
C142,1
U32,K1
U32,F1
U32,M9
U32,D9
U33,D9
U32,K3
C157,1
U33,H1
U32,K7
U32,M1
C148,1
U33,K1
C145,1
C144,1
C155,1
U32,D1
C154,1
C156,1
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U32,K9
U33,M9
U32,R9
U33,K3
U33,R9
U32,F3
U33,H9
C152,1
U32,H9
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C147,1
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U33,F1
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U32,F9
U32,F7
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U10,G16
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U10,G22
U10,G12
U10,G10
U10,G8
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U10,F19
U10,F17
U10,F15
U10,F13
U10,F11
U10,F7
U10,E24
U10,E22
U10,E12
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U10,B23
U10,B20
U10,B11
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E6,1
C24,1
E7,1
C22,1
E4,1
C21,1
E2,1
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U10,A26
C213,1
C214,1
C215,1
C216,1
C198,1
C199,1
C200,1
C201,1
C202,1
C203,1
C204,1
C205,1
C206,1
C207,1
C197,1

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C209,1
C210,1
C195,1
C196,1
C211,1
C212,1
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C730,1
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C742,1
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C743,1
U706,6
C746,1
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U10,AJ5
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C177,1
U10,A5
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DSPA_TBED6
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U32,J1
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U12,42
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DSPA_DX0
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U10,AF6
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DC_D29
U16,20

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J4,35
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N19438627
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U10,D12
U32,L3
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(
DSPA_TAED7
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U12,58
U34,35
U17,37
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U10,AJ3
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DC_D8
U17,13
J4,60
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(
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U10,AF4
R498,1
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(
DSPA_TBSDCASZ
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U32,P7
U33,P7
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U17,29
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U10,AF5
R499,1
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U10,B14
U32,M8
U33,M8
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(
DSPA_TAED23
RN37,8
U16,37
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(
DSPA_DR1
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DSPA_TBED13
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U32,G9
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DC_D7
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J4,63
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N76955
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R761,2
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U32,T8
U33,T8
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U16,27
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(
DSPA.FSR0
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U10,AH3
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(
DSPA.DX1
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RN45,2
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U16,30
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DC_D13
U17,20
J4,55
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SRIO_VCC1.2
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E1,1
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U10,w18
C226,1
C227,1
C228,1
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C222,1
C223,1
C224,1
C225,1
C220,1
C217,1
C219,1
C218,1
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U709,4
C738,1
TP705,1
R761,1
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RN45,4
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U33,E3
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U17,26
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HURRICANE_RSTN
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J7,A15
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U10,D2
U10,D5
U10,H7
U10,F5
U10,G6
R485,2
U10,G4
U10,F3
C231,1
C232,1
C234,1
C235,1
C229,1
C233,1
C236,1
C230,1
C237,1
C238,1
U707,1
C735,1
TP704,1
R800,2
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  U33,N7
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  U16,41
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  RN51,5
  RN52,8
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  U17,5
  J4,68
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(
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  U10,AH4
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  R481,2
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(
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  U10,V28
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  U17,30
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  R35,1
  U12,6
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N17799570
U12,5
R101,1
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U10,P2
J1,73
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RN50,2
RN51,6
RN52,7
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DC_D27
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J4,37
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EMIF_PLL_CLK
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U33,P1
U32,P1
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U34,28
U17,43
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J1,76
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(
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U35,7
RN50,3
RN51,7
RN52,6
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N17312149
R76,1
U37,9
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  U16,32
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  RN51,8
  RN52,5
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  U33,F2
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  J1,72
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  J4,54
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  U10,AJ13
  TP11,1
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  U33,H8  
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  U32,J7  
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  U34,10  
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  PWR1,6  
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  C114,1  
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  J4,22  
  J4,21  
  J3,5  
  J3,10  
  J3,6  
  J4,1  
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  R99,2  
  JP4,2  
  C799,1  
  C710,1  
  R716,2  
  R717,2  
  R797,2
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C744,1
R791,2
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L707,1
R785,2
C786,1
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L705,1
C784,1
C708,1
R703,2
L708,1
C703,1
L709,1
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J4,40
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U10,D9
U32,F2
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ISR_TMS
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JP5,5
U7,7
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U10,A22
U33,F8
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DC_D17
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J4,49
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USER_LED1
D9,CATHODE
U12,68
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(
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U33,R7
U32,R7
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N20635002
R95,1
C126,2
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  U32,U7
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  U12,96
  J3,65
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  J4,50
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  U33,K8
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  U33,G9
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  J4,5
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(
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  J4,73
  R60,1
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  U12,47
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U10,AF14
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DC_CE2#
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J4,78
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U12,85
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DC_RST#
U12,79
J3,59
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DC_AOE#
U6,11
J4,75
R60,2
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DC_D31
U16,23
J4,33
)
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N19788417
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C174,1
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U10,B25
U33,E9
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)
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DSPA_TBFA8
U10,D16
U33,U8
U32,U8
)
(
DSPA_TAE1
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R452,1
U12,13
U34,18
U5,46
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R35,2
U12,91
C68,1
C39,1
RN42,2
U12,3
C70,1
R40,2
U12,34
U12,18
C69,1
U12,82
C71,1
R98,2
R47,2
R57,2
C159,1
U34,30
U34,31
U34,11
C160,1
R211,1
R212,1
U36,8
C162,2
U3,16
U4,16
C13,1
C120,1

U37,20
C161,1
U35,20
RN50,8
RN50,5
RN50,6
RN50,7
R19,1
R500,1
L11,1
R39,1
J9,B4
C16,1
C14,1
C15,1
C17,1
C20,1
C18,1
C19,1
C290,1
U6,18
U6,31
U6,42
U6,7
U5,18
U5,31
U5,42
U5,7
U17,31
U17,42
U17,18
U17,7
U16,18
U16,7
U16,31
U16,42
C116,1
C96,1
C115,1
C94,1
C118,1
C117,1
C98,1
C99,1
R13,2
R403,2
R16,2
R65,2
J3,20
J3,19
J4,41
J4,42
U50,5
U10,AF1
U10,AE15
U10,AE8
U10,AE6
U10,AD24
U10,AD22
U10,AD18
U10,AD14
U10,L24
U10,M7

U10,M23
U10,M28
U10,N24
U10,P6
U10,P28
U10,R1
U10,R6
U10,R23
U10,T7
U10,T24
U10,U23
U10,V1
U10,V7
U10,V24
U10,W23
U10,AJ29
U10,Y7
U10,Y24
U10,E26
U10,AA1
U10,E28
U10,G2
U10,AA6
U10,H23
U10,AA23
U10,H28
U10,AB7
U10,J6
U10,J24
U10,AD7
U10,K1
U10,AD5
U10,K7
U10,K23
U10,AC29
U10,AJ25
U10,AC23
U10,AJ15
U10,AC21
U10,AJ7
U10,AJ1
U10,AC19
U10,AH24
U10,AC13
U10,AH16
U10,AH14
U10,AC11
U10,AG23
U10,AC9
U10,AG17
U10,AC6
U10,AG12
U10,AF24
U10,AB24
U10,AF16
U10,A29
R487,2
U10,L6
R94,1
R91,1
R90,2
R30,2
R67,2

R88,1
R38,2
R28,2
R29,2
R31,2
J8,5
C181,1
R89,2
C184,2
U7,9
U7,17
U7,29
U7,41
C124,2
C185,2
RN5,2
JP5,4
RN5,1
RN5,3
U25,16
C183,1
U1,5
C28,1
U11,5
C67,2
XUSB_Emu, 3.3V
C77,1
C59,1
C87,1
C60,1
C91,1
C49,1
C107,1
C79,1
C46,1
C61,1
C89,1
C50,1
C57,1
C293,1
C31,1
C29,1
C106,1
C103,1
C90,1
C80,1
C47,1
C102,1
C35,1
C109,1
C78,1
C48,1
C26,1
C62,1
C33,1
C51,1
C100,1
C255,1
C254,1
C55,1
C86,1
C76,1
C82,1

C84,1
C111,1
C194,1
C53,1
U8,5
R84,1
D11,3
U9,5
C95,1
R790,2
C719,1
L701,2
TP701,1
R727,1
C721,1
L1308,1
U1307,27
U1307,1
C1341,2
C1342,2
C1343,1
RN1314,2
RN1314,3
RN1314,4
RN1314,1
RN1315,2
RN1315,3
RN1315,4
RN1315,1
L1318,2
U1158,40
U1158,51
U1158,8
C1165,2
C1163,2
C1172,2
L1132,1
R1187,2
R1181,1
R1186,1
R1160,1
R1109,2
D1101,ANODE
D1102,ANODE
)
(
DSPA_TAE19
RN41,4
U39,3
R448,2
U34,29
U6,26
)
(
N18859041
C167,1
R502,2
)
(
CLKX0
R497,2
U37,4
)

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(
N18858907
U38,4
R502,1
)
(
CLKR0
U37,3
R496,2
)
(
N18858935
U38,5
R503,1
)
(
FSR0
U37,7
RN44,7
)
(
N18858713
C165,1
C163,1
C164,1
L11,2
C166,1
U38,6
)
(
N18183186
R62,1
U10,AB25
)
(
N21159674
J9,B8
R49,2
)
(
DSPA_AARDYZ
U10,K29
R425,1
R403,1
U6,2
)
(
N19019611
J7,B12
R104,2
)
(
N18858921
C167,2
U10,AF15
R505,1
)
(
N18858853
U10,AG15
R505,2
C168,2
)
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(
HUR_TCKRTN
R105,1
J7,C8
)
(
DSPA_TAAWEZ
R62,2
U12,90
U34,9
U6,40
)
(
DSPA_RIORXN0.B
C262,1
U10,AH23
)
(
DC_CNTL_OE#
U12,54
U6,25
U5,48
U5,25
U6,48
U50,1
)
(
DSPA_RIORXP0.B
C263,1
U10,AH22
)
(
DSPA_RIORXN1.B
C260,1
U10,AJ21
)
(
DSPA_RIORXP1.B
C261,1
U10,AJ22
)
(
N18194405
R61,1
U10,Y28
)
(
DSPA_RIORXN2.B
C258,1
U10,AJ19
)
(
DSPA_RIORXP2.B
C259,1
U10,AJ18
)
(
DSPA_RIORXN3.B
C256,1
U10,AH17
)
(
DSP_PLL_SELECT1
```

6455_dsk_netlist.NET

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R468,2
SW3,11
U12,19
)
(
DSPA_RIORXP3.B
C257,1
U10,AH18
)
(
DSP_PLL_SELECT2
R469,2
SW3,10
U12,22
)
(
DSPA_TABE0Z
RN34,4
U6,33
)
(
DSP_PLL_SELECT3
SW3,9
R470,2
U12,24
)
```