A

VCC5P0_MAIN

VDD18_RTC

CON100
AXK6S60047YG

VID0

AP_NRESET
AP_NRSTOUT
AP_VDDPWRON
AP_NTRST
AP_TMS
AP_TDI
AP_TCK
AP_TDO

AP_VID_D0
AP_VID_D1
AP_VID_D2
AP_VID_D3
AP_VID_D4
AP_VID_D5
AP_VID_D6
AP_VID_D7
AP_VID_CLK
AP_VID_HS
AP_VID_VS

AP_VIDEO_OUT

I2S

VID1
GPIOA30/VID1[0]/SDEX0/I2SBCLK1
GPIOB8/VID1[1]/SDEX1/I2SLRCK1
GPIOB1/VID1[2]/SDEX2/I2SBCLK2
GPIOB9/VID1[3]/SDEX3/I2SLRCK2
GPIOB9/VID1[4]/SDEX4/I2SDOUT1
GPIOB9/VID1[5]/SDEX5/I2SDIN1
GPIO3/GPI8/TSERR
GPIOB10/VID1[7]/SDEX7/I2SDO
GPIOE13/GPMAC_COL/VHSYNC1
GPIOA28/VCLK1/I2SMCLK1/I2SMCLK1

AP_DS0_BCLK
AP_DS0_LRCLK
AP_DS0_DOUT
AP_DS0_MCLK
AP_DS0_DIN

AP_GPE31_SD0_SDDET

SD0
AP_SD0_D0
AP_SD0_D1
AP_SD0_D2
AP_SD0_D3
AP_SD0_CMD
AP_SD0_CLK

VDDPWRON_DDR

VIDEO_GND

B

VCCIP3_SYS

CON101
AXK6S60047YG

GPIOD7/SDA2_TOUCH   I2C2
GPIOD6/SCL2_TOUCH
GPIOD5/SDA1   I2C1
GPIOD4/SCL1
SCL0_ALCS623   I2C0
SDA0_ALCS623
RXM0/RNIN4/GPIOB14
SA1/GPIOC6/UARTTXD/SDNINT0

CLK0/VCLK0/GPIOB11
ALE0/ALE1/GPIOB12
SD0/GPIOB5/TSDATA0[1]
SD1/GPIOB7/TSDATA0[3]
SA8/GPIOC1/UARTNDTR1/SDNINT1
SA7/GPIOC1/UARTNDSR1/SDNRST1
SD4/GPIOB3/TSIDATA0[0]
GPIOC3/SPIC1CLK0
GPIOD0/SPIRXD0/PWM3
GPIOC2/SPIRXM0
GPIOC1/SPIT1XD0
SA14/GPIOC14/PWM1/VICLK2
SA15/GPIOC15/TSICLK0/VIHSYNC1
SA16/GPIOC16/TSISYNC0/VIVSYNC2
SA9/GPIOC5/SPICLK2/PCM1STROBE

AP_GPE23
USB_BOOT
NNFOE0/NNFWE1/GPIOB18
NNFOE0/NNFOE1/GPIOB16
NSDQ7/GPIOC27/PDPDATA1
NSA11/GPIOC4/SDPIFTX
RDNWR/GPIOC42/PDPDATA0
NSDE/GPIOE30
GPIOC29/SDC1/UARTNRI1
GPIOD1/PWM0/SA25

I2C-Ext0
I2C-Ext1

GPIOD2/VSDDATJ[0]
GPIOC02/SDCLK1

GPIOD3/SDDATJ[1]
GPIOD7/SDDDT1[3]
GPIOE8/APP_TOUCHINQ
SA11/GPIOC1/SPIRXD2/USB_DOTG_DRVVBUS
LATADDR/GPIOC2N/SPDIFRX/VID1[7]

SD1

+PMIC_INT   ALIVEGPIO3
               ALIVEGPIO4
PWR_KEY   ALIVEGPIO1
               ALIVEGPIO0
SA12/GPIOC12/SPIT1X0/SDNRST2   ALIVEGPIO5

T32K   [48]T32K

C

CON102
AXK6S60047YG

MIPI-CSI

LVDS Out
AP_LVDS_TP3
AP_LVDS_TN3
AP_LVDS_TPCLK
AP_LVDS_TNCLK
AP_LVDS_TP2
AP_LVDS_TN2
AP_LVDS_TP1
AP_LVDS_TN1
AP_LVDS_TP0
AP_LVDS_TN0
AP_LVDS_TP4
AP_LVDS_TN4

AP_MIPICSI_DPCLK
AP_MIPICSI_DNCLK
AP_MIPICSI_DP0
AP_MIPICSI_DN0
AP_MIPICSI_DP1
AP_MIPICSI_DN1
AP_MIPICSI_DP2
AP_MIPICSI_DN2
AP_MIPICSI_DP3
AP_MIPICSI_DN3

GPIOE20

HDMI Out
AP_HDMI_TXP2
AP_HDMI_TXN2
AP_HDMI_TXP1
AP_HDMI_TXN1
AP_HDMI_TXP0
AP_HDMI_TXN0

AP_HDMI_TXPCLK
AP_HDMI_TXNCLK

AP_HDMI_CEC
AP_HDMI_HPD

VCC5P0_OTGVBUS

UART
6818:6ea
AP_UARTTX0
AP_UARTRTX0
AP_UARTTX1
AP_UARTRTX1
AP_UARTTX2
AP_UARTRTX2
AP_UARTTX3
AP_UARTRTX3
AP_UARTTX4
AP_UARTRTX4
AP_UARTTX5
AP_UARTRTX5

AP_OTG_ID
AP_OTG_DN
AP_OTG_DP

USB-Device

D

CON103
AXK6S60047YG

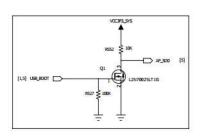GPIOE12/GMAC_TXER
GPIOE16/GMAC_RXD2
SA10/GPIOC10/SPIFRM0

AP_DISD0_B0
AP_DISD1_B1
AP_DISD2_B2
AP_DISD3_B3
AP_DISD4_B4
AP_DISD5_B5
AP_DISD6_B6
AP_DISD7_B7
AP_DISD8_G0
AP_DISD9_G1
AP_DISD10_G2
AP_DISD11_G3
AP_DISD12_G4
AP_DISD13_G5
AP_DISD14_G6
AP_DISD15_G7
AP_DISD16_R0
AP_DISD17_R1
AP_DISD18_R2
AP_DISD19_R3
AP_DISD20_R4
AP_DISD21_R5
AP_DISD22_R6
AP_DISD23_R7
AP_DISVS
AP_DISHS
AP_DISCLK
AP_DISDE

RGB888

GPIOE17_ALCS623_EN

USB-Host
4ea
USB_DM1
USB_DP1
USB_DM2
USB_DP2
USB_DM3
USB_DP3
USB_DM4
USB_DP4

eMMC
AP_EMMC2_CLK
AP_EMMC2_CMD
AP_EMMC2_D0
AP_EMMC2_D1
AP_EMMC2_D2
AP_EMMC2_D3
AP_EMMC2_D4
AP_EMMC2_D5
AP_EMMC2_D6
AP_EMMC2_D7

GPIOE4/GMAC_RXDV/SPIFRM1/S
GPIOE14/GMAC_RXD0/SPICLK1

GPIOE18/GMAC_RXCLK/SPIRXD1

NXE2000 PMIC

USB 1:4 HUB

DDR3

NAND

DISPLAY & CAMERA

BOOT MODE CONTROL

| | | SD0==>Micro_SD |
| | | SD2==>eMMC |

Scenario		AP_SD0	AP_SD1	AP_SD2	AP_VID1_3	AP_SD3	AP_VID1_0	AP_VID1_2	AP_VID1_4
Default	SD2 as SD0_FS as USB	1	0	1	1	0	1	1	1

USB_BOOT==>HIGH	USB_Device BOOT Mode