PS-LK1
PCB LINK

PSATX
MOLEX - 3930-0200

*+3.3 KB
*-12_KT
*GND
*+5
*GND
*GND
*-5
*+5
*GND
*GND
*+12
*GND
*+3.3
-12
GND
PS-ON
GND
GND
GND
PW-OK
5VSB
+12V
GND
*+3.3 KB
*+3.3
GND
*+5
*+5
*GND
*+5
*GND
*+12
*GND
Error : AMP : 794754 Jump file not found.
MOLEX - 3930-0200

VIDEO_GND
PSSW1
PAL
+5L

+12
IN
Vin
Vout
OUT
D+5
PSC1 10uF
PSC2 10uF
*GND
IS1
GND
IS2
MC7805
PSIC1

PSIC2
MAXIM595ESA
PSC3 10uF
DCDC_ON
C+
C-
SD
IN
FB
AGND
GND
OUT
PSR1 0 OHMS
PSR2 NOT POPULATED
*-5
PSR4 NOT POPULATED

PSL1
INDUCTOR
PSR1A1 220 OHMS
PSR1B 220 OHMS
PSR1C 220 OHMS
A-5_1
A-5_2
A-5_3

PSIC3
MAX1735EUK50-T
A-5V6
Vin
-5V
SD
GND
SET
PSC4 10uF
PSC5 10uF
*GND

COMPONENT SIDE
SOLDER SIDE
JAMMA_GAME
EDGE CONNECTOR

COMPONENT SIDE			SOLDER SIDE
*GND	1	A	*GND
*GND	2	B	*GND
*+5	3	C	*+5
*+5	4	D	*+5
*-5	5	E	*-5
*+12	6	F	*+12
*12_KT	KT	KB	*+3.3_KB
COIN_COUNTER1	8	J	COIN_COUNTER2
COIN_LOCKOUT1	9	K	COIN_LOCKOUT2
SPK_LEFT+	10	L	SPK_LEFT-
SPK_RIGHT+	11	M	SPK_RIGHT-
JAMMA_BLUE	12	N	JAMMA_GREEN
VIDEO_GND	13	P	JAMMA_CSYNC
TEST_SW	14	R	SERVICE_SW
1P_COIN_SW	15	S	TILT_SW
2P_START_SW	16	T	2P_COIN_SW
1P_UP	17	U	2P_START_SW
1P_DOWN	18	V	2P_UP
1P_LEFT	19	W	2P_DOWN
1P_RIGHT	20	X	2P_LEFT
1P_BUTTON1	21	Y	2P_RIGHT
1P_BUTTON2	22	Z	2P_BUTTON1
1P_BUTTON3	23	AA	2P_BUTTON2
1P_BUTTON4	24	BB	2P_BUTTON3
1P_BUTTON5	25	CC	2P_BUTTON4
*GND	26	DD	2P_BUTTON5
*GND	27	EE	*GND
*GND	28	FF	*GND

COMPONENT SIDE			SOLDER SIDE
*GND	1	A	*GND
*GND	2	B	*GND
*+5	3	C	*+5
*+5	4	D	*+5
*-5	5	E	*-5
*+12	6	F	*+12
KT	KT	KB	
COIN_COUNTER1	8	J	COIN_COUNTER2
COIN_LOCKOUT1	9	K	COIN_LOCKOUT2
SPK_LEFT+	10	L	SPK_LEFT-
SPK_RIGHT+	11	M	SPK_RIGHT-
VIDEO_RED	12	N	VIDEO_GREEN
VIDEO_BLUE	13	P	VIDEO_CSYNC
VIDEO_GND	14	R	SERVICE_SW
TEST_SW	15	S	TILT_SW
1P_COIN_SW	16	T	2P_COIN_SW
1P_START_SW	17	U	2P_START_SW
1P_UP	18	V	2P_UP
1P_DOWN	19	W	2P_DOWN
1P_LEFT	20	X	2P_LEFT
1P_RIGHT	21	Y	2P_RIGHT
1P_BUTTON1	22	Z	2P_BUTTON1
1P_BUTTON2	23	AA	2P_BUTTON2
1P_BUTTON3	24	BB	2P_BUTTON3
1P_BUTTON4	25	CC	2P_BUTTON4
1P_BUTTON5	26	DD	2P_BUTTON5
*GND	27	EE	*GND
*GND	28	FF	*GND

EDGE CONNECTOR

SCALE = 19.99 = .19v = x9.99 INPUT = 5.00 = .04v = x5.00
SCALE = 19.99 = .19v = x9.99 INPUT = 15.00 = .148v = x5.00
INPUT = 9.99 = .098v = x9.99

P5IC1
KCL7107CM44
P5R1 100K
P5R2 1K
P5C1 0.1uF
P5R3 1M
P5C2 0.01uF
P5C3 0.1uF
P5POT1 1K
P5R4 100K (MO33B + GND)
P5C4 100pF
P5R7 4K7
PSZD1 1V2
P5R6 47K
P5C5 0.47uF
P5C6 0.22uF
P5R5 10K
P5C7 4.7uF
P5C8
P5C9 4.7uF
IN HI
IN LO
C+ REF
C- REF
VREF LO
VREF HI
OSC3
OSC1
OSC2
BUFF
AZ
INT
INTEN
DEEN
V+
V-
NC
AB4
POL
LED TEST
BP
HOLD
LEDK_PSDP dp
1000's
RS: 436-9016

PSD1
PSD10
PSD100
DPY_7-SEG_DP
1's
10's
100's
A1
A2
D+5
Ax5
A-5_1
*GND

SCALE = 19.99 = .19v = x9.99 INPUT = 15.00 = .148v = x5.00
INPUT = 5.00 = .04v = x5.00 INPUT = 9.99 = .098v = x9.99

N5IC1
KCL7107CM44
N5R1 100K
N5R2 1K
N5C1 0.1uF
N5R3 1M
N5C2 0.01uF
N5C3 0.1uF
N5POT1 1K
N5R4 100K (MO33B + GND)
N5C4 100pF
N5R7 4K7
NSZD1 1V2
N5R6 47K
N5C5 0.47uF
N5C6 0.22uF
N5R5 10K
N5C7 10uF
N5C8 4.7uF
N5C9 4.7uF
LEDK_N5DP dp
NSD1
NSD10
NSD100
A-5_2
*GND
RS: 436-9016

SCALE = 199.9 = .199v = x99.9 INPUT = 12.00 = .011v = x12.0
INPUT = 19.99 = .019v = x19.9 INPUT = 9.99 = .009v = x09.9

P12IC1
KCL7107CM44
P12R1 1M
P12R2 1K
P12C1 0.1uF
P12R3 1M
P12C2 0.01uF
P12C3 0.1uF
P12POT1 1K
P12R4 100K (MO33B + GND)
P12C4 100pF
P12R7 4K7
P12ZD1 1V2
P12R6 47K
P12C5 0.47uF
P12C6 0.22uF
P12R5 10K
P12C7 4.7uF
P12C8 10uF
P12C9 4.7uF
LEDK_P12DP dp
P12D1
P12D10
P12D100
A-5_3
*GND
RS: 436-9016

LEDIC3 14 D+5
2P_BUTTON3
2P_BUTTON4
TILT_SW
*GND
LEDK_7 LED7 DUAL_LED
LEDK_8 LED8 DUAL_LED
LEDK_9 LED9 DUAL_LED
IDT74LVCU04A

LEDIC4 14 D+5
IO_POWER
TEST_SW
1P_UP_LED
*GND
LEDK_10 LED10 DUAL_LED
LEDK_11 LED11 DUAL_LED
LEDK_12 LED12 DUAL_LED
IDT74LVCU04A

LEDIC5 14 D+5
1P_UPRIGHT_LED
1P_RIGHT_LED
1P_DWNRIGHT_LED
*GND
LEDK_13 LED13 DUAL_LED
LEDK_14 LED14 DUAL_LED
LEDK_15 LED15 DUAL_LED
IDT74LVCU04A

LEDIC6 14 D+5
1P_DOWN_LED
1P_DWNLEFT_LED
1P_LEFT_LED
*GND
LEDK_16 LED16 DUAL_LED
LEDK_17 LED17 DUAL_LED
LEDK_18 LED18 DUAL_LED
IDT74LVCU04A

LEDIC7 14 D+5
1P_UPLEFT_LED
2P_UP_LED
2P_UPRIGHT_LED
*GND
LEDK_19 LED19 DUAL_LED
LEDK_20 LED20 DUAL_LED
LEDK_21 LED21 DUAL_LED
IDT74LVCU04A

LEDIC8 14 D+5
2P_RIGHT_LED
2P_DWNRIGHT_LED
2P_DOWN_LED
*GND
LEDK_22 LED22 DUAL_LED
LEDK_23 LED23 DUAL_LED
LEDK_24 LED24 DUAL_LED
IDT74LVCU04A

LEDIC9 14 D+5
2P_DWNLEFT_LED
2P_LEFT_LED
2P_UPLEFT_LED
*GND
LEDK_25 LED25 DUAL_LED
LEDK_26 LED26 DUAL_LED
LEDK_27 LED27 DUAL_LED
IDT74LVCU04A

LEDIC1 14 D+5
1P_BUTTON1
1P_BUTTON2
1P_BUTTON3
*GND
LEDK_1 LED1 DUAL_LED
LEDK_2 LED2 DUAL_LED
LEDK_3 LED3 DUAL_LED
IDT74LVCU04A

LEDIC2 14 D+5
1P_BUTTON4
2P_BUTTON1
2P_BUTTON2
*GND
LEDK_4 LED4 DUAL_LED
LEDK_5 LED5 DUAL_LED
LEDK_6 LED6 DUAL_LED
IDT74LVCU04A

LEDRA1 220 OHMS
LEDRA2 220 OHMS
LEDRA3 220 OHMS
LEDRA4 220 OHMS
LEDK_1 LEDK_2 LEDK_3 LEDK_4 LEDK_5 LEDK_6 LEDK_7 LEDK_8
LEDK_9 LEDK_10 LEDK_11 LEDK_12 LEDK_13 LEDK_14 LEDK_15 LEDK_16
LEDK_17 LEDK_18 LEDK_19 LEDK_20 LEDK_21 LEDK_22 LEDK_23 LEDK_24
LEDK_25 LEDK_26 LEDK_27 LEDK_P12DP LEDK_P5DP LEDK_N5DP LEDK_PSDP
*GND

1P_UP
1P_RIGHT
1P_DOWN
1P_LEFT
2P_RIGHT
2P_LEFT
2P_DOWN
2P_UP
D+5
*GND
LEDIC10
74HC154
JSIC1
68HC908QY4
PTB0
PTB1
PTB2
PTB3
PTB4
PTB5
PTB6
PTB7
VDD
GND
PTA0/AD0/TCH0/KBID
PTA1/AD1/TCH1/KBI1
PTA4/OSC2/AD2/KBI4
PTA5/OSC1/AD3/KBI5
PTA3/RST/KBI3
PTA2/IRQ/KBI2
JSRA5 100K
1P_DWNLEFT_LED
1P_UPLEFT_LED
1P_LEFT_LED
1P_DWNRIGHT_LED
1P_DOWN_LED
1P_UPRIGHT_LED
1P_RIGHT_LED
1P_UP_LED
2P_UP
2P_RIGHT
2P_DOWN
2P_LEFT
LEDIC11
2P_DWNLEFT_LED
2P_UPLEFT_LED
2P_LEFT_LED
2P_DWNRIGHT_LED
2P_DOWN_LED
2P_UPRIGHT_LED
2P_RIGHT_LED
2P_UP_LED

*GND
PSL7 INDUCTOR ANA_GND
PSL2 INDUCTOR AUDIO_GND
PSR5 10 OHMS *+3.3_KB
D+5
JSF1 350mA IO_POWER
JSRA1A NOT POPULATED
JSRA1B NOT POPULATED
JSRA1C NOT POPULATED
JSRA1D NOT POPULATED
JSRA2A 47 OHMS 1P_XPOSITION
JSRA2B 47 OHMS 1P_YPOSITION
JSRA2C 47 OHMS 2P_XPOSITION
JSRA2D 47 OHMS 2P_YPOSITION
JSRA3A 22K JSRA3B 22K JSRA3C 22K JSRA3D 22K
JSC1 0.01uF JSC2 0.01uF JSC3 0.01uF JSC4 0.01uF
PGMRST
JSRA4A 220 OHMS
JSRA4B 220 OHMS
PROGRAM

JSRA6 4K7
1P_COIN_SW
1P_START_SW
1P_BUTTON4
1P_BUTTON3
1P_BUTTON2
1P_BUTTON1
1P_RIGHT
1P_LEFT
1P_DOWN
1P_UP
IO_POWER
TEST_SW
SERVICE_SW
JSP1
DB15-FEMALE

JSRA7 4K7
2P_COIN_SW
2P_START_SW
2P_BUTTON4
2P_BUTTON3
2P_BUTTON2
2P_BUTTON1
COIN_COUNTER1
COIN_COUNTER2
JSP2
DB15-FEMALE

JSRA8 4K7
TILT_SW
NVSYNC_SEL
ENCD
PGMRST
DCDC_ON
COIN_LOCKOUT1
COIN_LOCKOUT2
JS_IBM
DB15-FEMALE

PSR3 0 OHMS +5
PSR6 0 OHMS -5
PSL3 INDUCTOR
PSL8 INDUCTOR +12

AUR1A 220 OHMS
AUR1B 220 OHMS
AUR1C 220 OHMS
AUR1D 220 OHMS
AUCN1
AUCN2
PHONEJACK STEREO SW
AUDIO_GND
AUC3 0.1uF
AUR4A 75 OHMS
AUR3A 220 OHMS
SPK_LEFT-
SPK_LEFT+
AUSW1
SPK_RIGHT+
MONO SELECT
AUC1 220uF
AUR2A 220 OHMS
AUDIO_LEFT
AUC2 220uF
AUR2B 220 OHMS
AUDIO_RIGHT
AUR4B 75 OHMS
AUR4C 75 OHMS
AUR3B 220 OHMS
SPK_RIGHT-
AUC4 0.1uF
AUR4D 75 OHMS

JAMMA_RED
JAMMA_GREEN
JAMMA_BLUE
75 OHMS
JAMMA_CSYNC
PSYNC_SEL
NSYNC_SEL
ENCD HIGH = ENCODER ENABLED
*GND LOW = 14.43MHZ
*PAL LOW = PAL
VIC1 AD724JR
RED
GREEN
BLUE
HSYNC
VSYNC
ENCD
SELECT
STND
FSOSC
COMPVID
LUMA (Y)
CRMA (C)
AVCC
AGND
DVCC
DGND
VC1 1000pF
VC2 1000pF
VC3 1000pF
VSW1
SYNC INVERT
3.58MHZ 4.43MHZ
VX1 VX2
VR11 10K
VR12 10K
VIC6 74HC1G04GW
VIC3 74HC1G86GW
VIC5 74HC1G04GW
VC4 10pF
VC5 220uF
VC6 220uF
VC7 220uF
VRA2B 75 OHMS VIDEO_COMP
VRA2A 75 OHMS VIDEO_Y
VRA2C 75 OHMS VIDEO_C
VC8 0.1uF
VC9 4.7uF
VC10 0.1uF
VC11 4.7uF
VC16 0.1uF
VIDEO_GND
D+5
VR8 680K
VR9 680K
VR10 680K
VC18 0.1uF
VC19 0.1uF
VIC4 ZXFV4583
Fltr In
Fltr Cut-off
Set Def Lvl
Rset
Comp Sync Out
VertSyncOut
HorSyncOut
A GND
NoSigDetOut
Bk Prch Clmp
Odd/Even Out
Level Out
GND
VDD
Video In
Fltr Out
VIDEO_CSYNC
VIDEO_VSYNC
VIDEO_HSYNC
VIDEO_GND
VIDEO_NOSIG
VC17 0.1uF
VGL 680K
FARNELL: 3884120
AD8075ARU
VIC2
VRA1A 75 OHMS
VRA1B 75 OHMS
VRA1C 75 OHMS
VRA3B 75 OHMS
VRA3C 75 OHMS
VRA3A 75 OHMS
VIDEO_RED
VIDEO_GREEN
VIDEO_BLUE
RGB/COMP_SEL
JSRA4C 220 OHMS
VIDEO SELECT
VSW21
RGBON_LED DUAL_LED
LEDK_RGB
RGB: UP
COMPOSITE: DOWN
VC12 0.1uF
VC13 4.7uF
VC14 0.1uF
VC15 4.7uF
A-5
A+5
VIDEO_GND

VRA2D 75 OHMS
JSRA4D 220 OHMS
AUDIO_RIGHT
VIDEO_NOSIG 4
AUDIO_LEFT
AUDIO_GND
VIDEO_GND
IO_POWER
+12
VIDEO_GND
VIDEO_VSYNC
VIDEO_GREEN
VIDEO_HSYNC
VIDEO_GND
*GND
VIDEO_RED
RGB/COMP_SEL
VIDEO_GND
VIDEO_COMP
VIDEO_CSYNC
*GND
SCART

VIDEO_GND
VIDEO_GND
VIDEO_Y
VIDEO_C
AUDIO_LEFT
AUDIO_GND
IO_POWER
*GND
*GND
*GND
*GND
SVIDEO
MINIDIN8

1P_COIN_SW
1P_START_SW
2P_COIN_SW
2P_START_SW
TEST_SW
SRVC_LED DUAL_LED
SERVICE_SW
1P_COIN_
1P_START
2P_COIN_
2P_START
TEST_SW
R1 1K
D+5
*GND
SERVICE MODE ON
SW-PB

Title: JAMMAnalyzer Diagnostic Tool V1.0
Size: A1
Number: COPYRIGHT 2002 - NOVASAR
Revision: REV 1.0
Date: 15-Jun-2012
Sheet 1 of 1 - 18th AUGUST - 2003
File: C:\Designs\Thales\Documentation and Rel
Drawn By: Jon Williams
Designer\JAMMAnalyser.ddb