ARDUINO I/O CONNECTORS OF MAXIMATOR BOARD

10
9
8
7
6 — IMG_TRIM
5 — JOY_FIRE
4 — JOY_RIGHT
3 — JOY_LEFT
2 — JOY_UP
1 — JOY_DOWN

8
7 — SPEAKER
6 — Z_AXIS
5 — SDI_Y
4 — NLADC_X
3 — NCS_X
2 — CLK_X
1 — SDI_X

JOY_UP
JOY_FIRE
JOY_DOWN
JOY_LEFT
JOY_RIGHT

1
6
2
7
3
8
4
9
5

ATARI JOYSTICK CONNECTOR

IMG_TRIM
SW

SPEAKER — TO AUDIO AMPLIFIER

MCP4821

NCS_X — 2 — ~CS   VDD — 1 — +5v
CLK_X — 3 — SCK   330n
SDI_X — 4 — SDI   VOUT — 8 — ANA_X
NLADC_X — 5 — ~LDAC
+5v — 6 — ~SHDN   VSS — 7

MCP4821

NCS_X — 2 — ~CS   VDD — 1 — +5v
CLK_X — 3 — SCK   330n
SDI_Y — 4 — SDI   VOUT — 8 — ANA_Y
NLADC_X — 5 — ~LDAC
+5v — 6 — ~SHDN   VSS — 7

OPA2604

1.8n

8 +12v
ANA_X — 10K — 2 —
V_REF — 3 — +   1 — TO X-AXIS OF SCOPE

ANA_Y — 10K — 6 —
V_REF — 5 — +   7 — TO Y-AXIS OF SCOPE

4 -12v

1.8n

+12v
270K
V_REF
LM385 2.5

Z_AXIS — 15K — TO Z-AXIS OF SCOPE