XLS602, XLS402, XLS202
Channel A Power Amp only shown
'A' suffix on component identifier indicates Channel A
These can be mapped directly on to Channel B by changing the suffix to 'B' unless otherwise specified.
All Diodes are 1N4148 unless otherwise specified
All Zener diodes are 400mW
All resistors are 1/4 W metal film unless otherwise specified
All BF422 and BF423 are Pillips or Toshiba. DO NOT use Carsem (CBF)

| OTE1 | R14A/B | R26A/B, R27A/B | R55A/B | R58A/B, R24, R25 | ZD5A/B, ZD6A/B | R60A, R60B | ZD2 | BR1 |
|---|---|---|---|---|---|---|---|---|
| GB602 | 100k | 20k | 3k3 1W c/f | 6k8 1W c/f | 47V | 75R | 10V | GBPC5006 50A 600V |
| GB402 | 33k | 20k | 2k7 1W c/f | 5k6 1W c/f | 30V | 120R | 9V1 | GBPC5006 50A 600V |
| GB402 | 22k | 43k | 2k7 1W c/f | 4k7 1W c/f | 47V | 150R | 9V1 | SB356 35A 600V |

NOTE2

| | |
|---|---|
| GB402 | Not Fitted: R37A/B, R42A/B, R45A/B, R50A/B, Q14A, Q20A, Q13B, Q19B, C1, C4 |
| GB202 | Not Fitted: R37A/B, R42A/B, R45A/B, R50A/B, R39A/B, R40A/B, R47A/B, R48A/B, Q14A, Q20A, Q13B, Q19B, Q15B, Q17B, Q16A, Q18A, C1, C2, C4, C5 |

CN1A FASTON
To output board
PEAK A
FACING LDR ON I/P BOARD
CN1
26PIN
CN2
26PIN
STAR
CN2A/1
CN2A/2
CN2A/3
HDR2/3
HDR2/4
HDR2/2
HDR2/5
HDR2/6
HDR3/1
HDR3/2
LK1 0 Ohm
LK2 0 Ohm
LK3 0 Ohm
LK4 0 Ohm
HDR3/3
HDR3/4
HDR3/5
Channel B
R52A 180K
R52B 180k
R53A 20k
R53B 20k
to junction of R18B and FASTON CN4B
+HT2
+HT1
! up to +95Vdc
! up to -95Vdc
-HT2
-HT1
1.2 V
90 V
.095 V
0.180 V
0.120 V
0.6 V
1.75 V
1.7 V
1.2 V
D1A
D2A
R13A 220R
Q3A BF423
R14A NOTE1
R12A 10k
R23A 47R
R24A 47R
Q6A BF423
Q7A BF423
R10A 100R
R11A 100R
R18A 39k
C7A 10u
R8A 1k
C8A 33p
R9A 39k
Q1A Q2A 2SA872
R57A 3k3
C20A 10p 63V
R17A 1k
C11A 100u
C15A 1u
R22A 1k
Q8A BC184L
NPN Main H/S
R21A 360R
R20A 20k
C14A 100n 100V
C12A 33p 63V
C13A 10p 63V
Q4A Q5A BF422
D3A D4A
R15A 1k
R16A 1k
R19A 200R
C3A 330p 63V
Q22A BC184L
D8A
D11A
R60A NOTE1
ZD3A 2V7
R55A NOTE1
C10A 10u
C9A 10u
R59A NOTE1
ZD4A 2V7
D9A
Q21A BC214L
D7A
R27A NOTE1
R33A 5K1
R28A 27K
R34A 470R
Q9A BF423
Q10A TIP50/47
PF750 H/S
R25A 27K
R29A 470R
Q12A MJE5731A
Q11A BF422
C16A 100n 100V
NPN Main H/S
Q15B Q16A MJ15024
Q16B Q15A MJ15024
Q13B Q14A MJ15024
Q14B Q13A MJ15024
D5A 1N4004
R26A NOTE1
R30A 5K1
R39A 820R
R38A 820R
R37A 820R
C2A 4n7
R36A 820R
R35A 100R
R56A 22R
R47A 0R47 3W w/w
R46A 0R47 3W w/w
R45A 0R47 3W w/w
R44A 0R47 3W w/w
ZD5A NOTE1
ZD6A NOTE1
C21A 4n7
R48A 0R47 3W w/w
R49A 0R47 3W w/w
R50A 0R47 3W w/w
R51A 0R47 3W w/w
R43A 820R
C1A 4n7
R42A 820R
R41A 820R
R40A 820R
Q17B Q18A MJ15025
Q18B Q17A MJ15025
Q19B Q20A MJ15025
Q20B Q19A MJ15025
PNP Main H/S
D6A 1N4004
ZD7A 18V
D13A 1N4004
LED1A RED
LED2A GREEN
R58A NOTE1
C17A 100n 100V
R2 47k
R3 47k
SUNON KDE2412PTS1-6A 24V
black
red
CN3
Q2 BD135
Q1 BC214L
R18 100k
R20 10k
IC1D TL074
-2 Vdc
+20 Vdc
+2.5 Vdc
R26 2M
R19 150k
R23 1k
C21 100n
R16 180k
R17 20k
R27 220R
C23 220n
NPN Main H/S
TH1 LM35DZ
HDR1/3
HDR1/2
R14 2k2
RLY1 RELAY
R15 3k9
Q3 BC184L
LED2 yellow PROTECT
D10
R12 1k
R13 10k
IC1B TL074
D9
R11 10M
ZD2 note1
R9 27k
R10 680k
R8 4k7
LED1 green POWER
D8
+20 Vdc
+24 Vdc
= +5.6 Vdc
IC1A TL074
R5 10M
R4 1M
R1 10k
D2
D4
D3
D6
D7
D5
R6 10M
C22 2n2
C9 100u 16V
C10 4u7 35V
C11 100n 35V
C16 4u7 16V
D1
D11
D12
ZD1 5v6
R7 1k2 1W
D19
+24Vdc
-24Vdc
C17 470u 35V
C18 470u 35V
D13 1N4004
D14 1N4004
D15 1N4004
D16 1N4004
SEC1/1 18Vac
SEC1/4 18Vac
HDR2/1
+18Vdc
-18Vdc
HDR3/6
R24 NOTE1
R25 NOTE1
D17 1N4004
D18 1N4004
ZD3 18V
ZD4 18V
GREEN to output board
0V1A FASTON
0V1B FASTON
STAR
CHASSIS
C19 47u 100V
C20 47u 100V
C7 4700u 100V
C8 4700u 100V
C5 4700u 100V
C6 4700u 100V
C3 4700u 100V
C4 4700u 100V
C1 4700u 100V
C2 4700u 100V
BR1 Note1
C12 470u 250V
C13 470u 250V
C15 470u 250V
C14 470u 250V
SEC1/6 ! up to 65Vac
SEC1/2
SEC1/5 C/T
SEC1/3 ! up to 65Vac
Main2
RED 220/110
BLACK 240/120
!! Live Mains
RLY1
BLUE NEUTRAL
R22 47R 23W
PTC1
PTC2
YM120D3 70R10 Bowthorp

Crown Audio
1718 W. Mishawaka Rd.
Elkhart, IN 46517
574-294-8000
www.crownaudio.com

XLS602, XLS402, XLS202

| Size | FCSM No. | DWG No. | Rev |
|---|---|---|---|
| A1 | | C1071-6 | 2 |

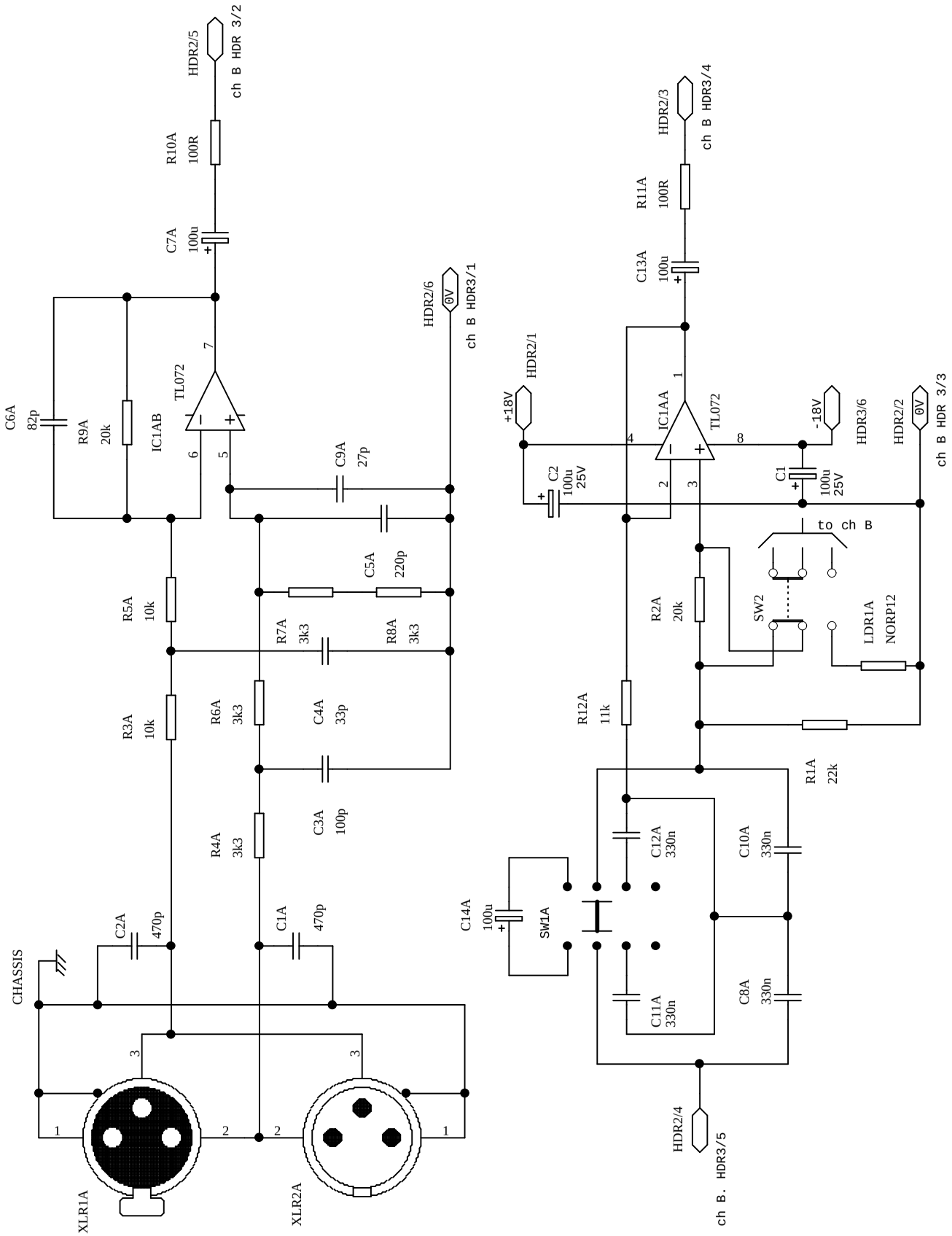
Scale
Sheet

# Input Board C1073-6

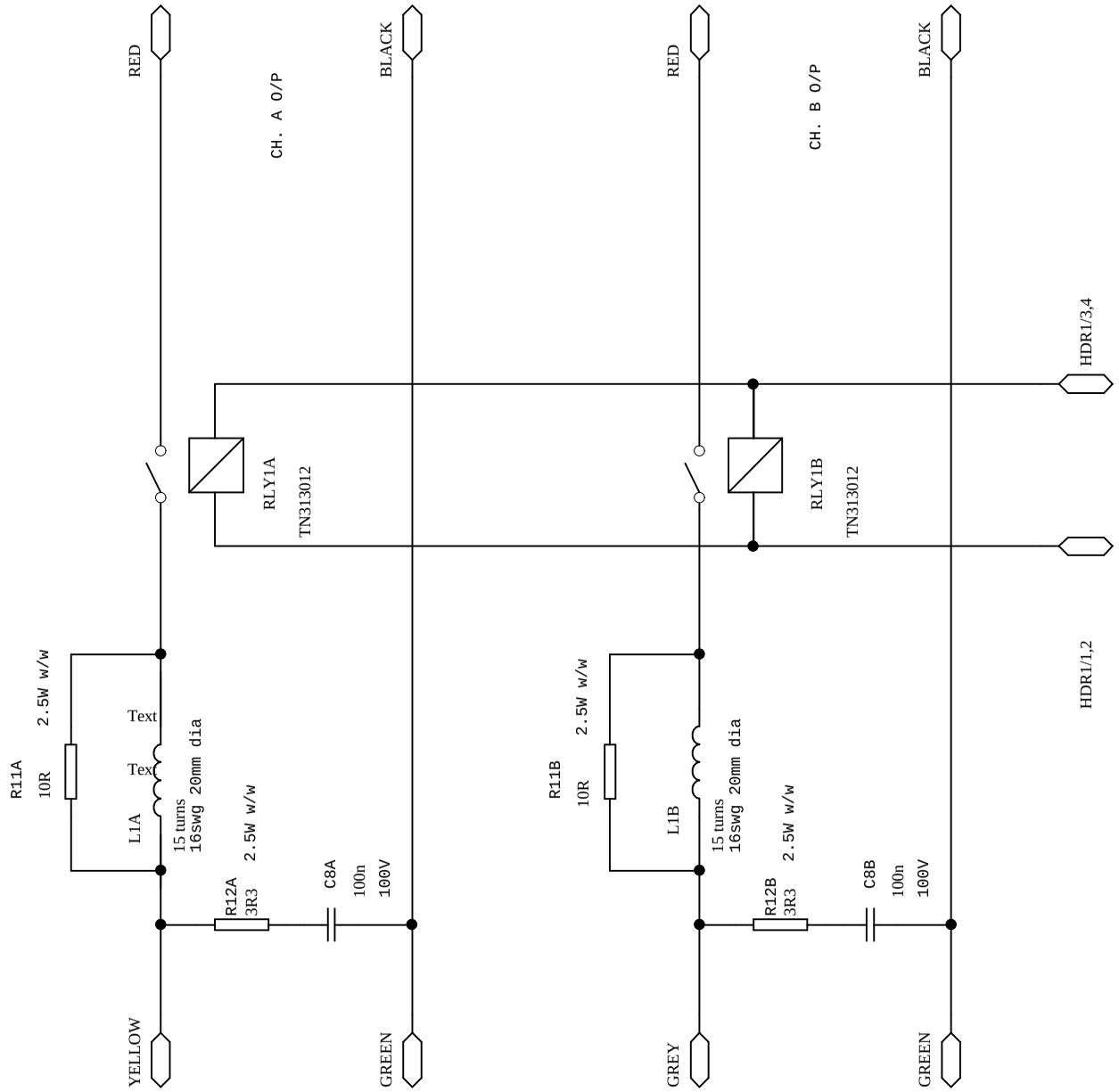
Channel A only shown

Channel B is same except component Identifiers have 'B' suffix

All resistors are 1/4 W m/f




# Output Board C1072-6




| | | | |
|---|---|---|---|
| Crown Audio<br>1718 W. Mishawaka Rd.<br>Elkhart, IN 46517<br>574-294-8000<br>www.crownaudio.com | XLS602, XLS402, XLS202 | | |
| | Size<br>A3 | FCSM No. | DWG No.<br>I/p board: C1073-6<br>o/p board: C1072-6 Rev<br>1 |
| | Scale | | Sheet<br>0 of 0 A.C. |