270pf C80

MQ IN (F)

CH B

TO CH A

+6.2V

3x 5.1K

TC9149CP U12

-6.2V

SER. DATA

STROBE

335 SER. CLK

335 EQ STB A

335 EQ STB B → TO CH 3

LMC 835 U16

LC3 LC4 LC15 LC7 LC11 LC1 LC14 LC6 LC12 LC5 LC10 LC13 LC9 LC2 A GND D GND

C87 10NP R140 5.1K R139 5.1K R135 100K C84 .22 C85 10NP 1.5K R141

C92 10NP R173 7.87K C93 100pf R174 100K R172 100K C91 100pf R171 6.8K C52 .022 R175 10NP R176 100K C95 100pf R177 100K C94 100pf R178 7.87K

C125 .1 C124 .1

R202 2.0K D8 R168 2.0K D6 R166 2.0K → LED MATRIX CH B

C73 10NP C76 10NP R133 5.1K R124 5.1K

R125 16.2K +8.2V R128 16.2K

U14 4007 → 8.2V

C74 47pf R127 17.4K R132 6.8K R123 100

MQ OUT (G) → TO CH B A

63HZ RNET C57 10NP R94 10.0K R95 10.0K R92 9.76K R91 49.9K C56 .22 C55 16.2K R93

160HZ RNET 10NP 10.0K 10.0K R49 3.83K R47 R46 19.6K R50 .22 C21 .22 C22 6.49K R48

400HZ RNET C59 10NP R97 10.0K R96 10.0K R99 3.40K 17.4K R100 .1 C61 C60 5.62K R98

1KHZ RNET C102 10NP R182 10.0K 10.0K R180 4.12K 20.5K R179 .033 C96 .033 R183 10.0K 10.0K 6.81K R181

2.5KHZ RNET C103 10NP R192 10.0K 10.0K R193 1.96K R190 10.0K .027 C101 .027 C100 3.32K R191

6.3KHZ RNET C104 10NP R187 2.10K 10.0K 10.0K R185 10.7K .01 C98 .01 R184 R186 3.57K RNET

16KHZ 10.0K 10.0K R194 3.83K R197 .0022 C107 19.6K R198 .0022 C106 6.34K R196

C51 10NP RNET R87 40HZ 10.0K 10.0K R89 10.5K R90 .33 C54 .33 R86 .33 C53 17.4K R88

52.3K

C50 10NP RNET 100 HZ R39 6.19K 10.0K 10.0K R37 31.6K R40 .22 C17 .22 C18 R36 10.2K R38

250HZ C24 10.0K 10.0K R42 5.36K R44 27.4K R41 .1 C19 .1 C20 R45 9.09K R43

630HZ C49 10NP R34 10.0K 10.0K R35 2.15K R32 10.7K R31 .1 C15 .1 C16 3.57K R33

1.6KHZ C48 10NP RNET R84 10.0K 10.0K R82 3.83K 19.6K R81 .022 C47 .022 C46 6.49K R83

4KHZ C12 10NP R77 R76 10.0K 10.0K R79 3.32K 16.9K R80 .01 C45 .01 C44 5.62K R78

10KHZ C11 10NP R27 R26 10.0K 10.0K 2.37K R29 12.1K R30 .0056 C13 .0056 C14 3.92K R28

+3.2V

2N3906 Q2 R142 510K .047 C88

10K R170

47K R169 → 8.2V

U14 1/3 4007 13 NC 8 NC

TO92 E B C

MASS CONTROL 8 → TO CH A

MASS CONTROL A 5

NOTES UNLESS OTHERWISE SPECIFIED:

1- RESISTANCE IS IN OHMS
CAPACITANCE IS IN MICROFARADS

2- ALL CAPACITORS MARKED '*' ARE 2% POLYPROPYLENE OR METALLIZED POLYPROP.

3- DESIGNATORS:
A CHANNEL - 100 NUMBERS (SHT 1)
B CHANNEL - 200 NUMBERS SHT 2
MICROPROCESSOR - 300 NUMBERS (SHT 3)

4- FOR MIDI I/O PCB SCHEMATIC REFER TO ADA DWG NO. 399

ENG MASTER 3-20-87

ADA SIGNAL PROCESSORS, INC.

MQ-1, ANALOG, SCHEMATIC PCB 449B

SCALE — SIZE D DRAWING NO 398 REV B

DO NOT SCALE DRAWING SHEET 4 of 4

CHANNEL B

DEPOT http://www.adadepot.com