

LD055 MID-SIDE ONE MAIN BOARD

Count	ComponentName	Designation	Notes
1	LD055 PCB		
2	5.6R	R10 R11	
2	1.2K	R12 R13	
2	2.2Meg	R17 R28	
4	3.9k	R15 R16 R26 R27	
1	6.8k	R20	
4	10k	R1 R3 R5 R8	
9	100k	R2 R4 R7 R9 R14 R18 R25 R29 R30	

2 100R
R21
R22

1 120k
R19

2 OMIT
OMIT
R23
R24

1 10R 1W
R6
2 1N4003
CR1
CR2

9 TEST POINT
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TP9

GND
LEFT (M) OUT
RIGHT (S) OUT
LEFT (M) IN
RIGHT (S) IN
+17V
-17V
SIDE IN
MID IN

11 100n/50V 2.5mm X7R
C1
C2
C5
C6
C7
C8
C11
C12
C13
C23
C24

1 47n/5mm 5% FILM	C18	
2 100nF / 5mm 5% FILM	C19	
100n / 5mm 5% FILM	C25	
2 PTC 200mA	PTC1	
PTC 200mA	PTC2	
4 100u/16V	C3	
	C4	
	C9	
	C10	
2 47u/25V	C14	
	C15	
5 220u/25V	C16	
	C17	
	C20	
	C21	
	C22	
2 2N3906	Q1	
	Q2	
4 OP275GP	U1	USE IC SOCKET
	U4	USE IC SOCKET
	U7	USE IC SOCKET
	U8	USE IC SOCKET
3 THAT1240P08-U	U2	USE IC SOCKET
	U5	USE IC SOCKET
	U6	USE IC SOCKET
1 THAT1246P08-U	U3	USE IC SOCKET

8 8PIN DIL SOCKET

3 PIN3

P1
P2
P3

4 JUMPER LINKS RED, OPEN, 2.54mm PITCH

FOR P1-P3

4 10-WAY PCB BOX MALE HEADER

J4
J5
J2
J7

L -16 LED METER CONNECTION
R-16 LED METER CONNECTION

USED FOR MICPRE TWO OR INSERT ONE INTERFACING
USED FOR MICPRE TWO OR INSERT ONE INTERFACING

1 26 WAY PCB BOX MALE HEADER

J6

LD057 I/O CARD CONNECTION

1 MS2 26 WAY RIBBON CABLE ASSEMBLY

J8

LD056 SUB CARD CONNECTION

1 26WAY PCB TRANSITION HEADER

1 26 WAY FEMALE CABLE SOCKET

1 26-WAY RIBBON CABLE / 5 cm

1 50kC DUAL

VR1

FILTER FREQUENCY

1 10kB DUAL WITH CENTRE DETENT, LAW 1B

VR2

WIDTH

2 LD040 POT CARD RIGHT ANGLE HEADER

A1-A2

2 LD040 POT CARD

1 PUSH-FIT KNOB GREEN

FILTER FREQUENCY

1 PUSH-FIT KNOB WHITE

WIDTH

1 10K MULTI TURN TOP ADJUST

VR3

OMIT

1 4 POLE LATCHING ML SERIES RED

SW1

2 4 POLE LATCHING ML SERIES GREEN

SW2

SW3

2 4 POLE LATCHING ML SERIES YELLOW

SW4

SW5

5 SWITCH CAPS 8mm CLEAR

1 BACKPLATE

3 M2 x 6mm PAN/POZI SCREW

FIX4 BACKPLATE TO LD055 MAIN

FIX7 CARD FIXING

FIX11

BACKPLATE TO FACE PLATE FIXING

7 M3 x 6mm PAN/POZI SCREW

3 13.5mm FEMALE TO FEMALE HEX PILLAR

FIX5 FOR LD056 SWITCH SUB CARD FIXING

FIX8

FIX10

FROM THE BOTOM TO HEX PILLARS

3 M3 x 6mm PAN/POZI SCREW

2 40mm FEMALE TO FEMALE HEX PILLAR

FIX6 FOR LD055 METERS FIXING

FIX9

FROM THE BOTOM TO HEX PILLARS

2 M3 x 6mm PAN/POZI SCREW

2 36.5mm FEMALE TO FEMALE HEX PILLAR

FIX2 FOR LD057 IO CARD FIXING

FIX13

FROM THE BOTOM TO HEX PILLARS

2 M3 x 6mm PAN/POZI SCREW

2 36.5mm MALE TO FEMALE HEX PILLAR

FIX3 FOR LD055 MAIN CARD TO LHS PLATE

FIX14 FIXING. FROM THE TOP.

1 LEFT HAND SIDE SCREEN PLATE

2 M3 x 6mm PAN/POZI SCREW

FIX1 FOR LD055 MAIN CARD TO LHS PLATE

FIX12 FIXING. FROM THE TOP.

- 1 RIGHT HAND SIDE SCREEN PLATE
- 2 M2 x 6mm PAN/POZI SCREW

FIX4
FIX7

RHS SCREEN PLATE-BACKPLATE FIXING

- 1 FACEPLATE + LASER CUT FACIA
- 4 UNC 4-40 MODULE FIXING SCREW

LD056 SUB CARD

Count	ComponentName	Designation	Notes
1	LD056 PCB		
1	4 POLE LATCHING ML SERIES BLUE	SW7	
1	4 POLE LATCHING ML SERIES BLUE	SW8	
1	4 POLE LATCHING ML SERIES BLUE	SW11	
1	4 POLE LATCHING ML SERIES RED	SW6	
1	4 POLE LATCHING ML SERIES RED	SW10	
1	4 POLE LATCHING ML SERIES GREEN	SW9	
6	SWITCH CAPS 8mm CLEAR		
1	26WAY BOX HEADER	J9	
3	M3 x 6mm PAN/POZI	FIX15 FIX16 FIX17	

LD057 I/O CARD

Count	ComponentName	Designation	Notes
1	LD057 PCB		
16	1N4003	CR1 CR2 CR3 CR4 CR5 CR6 CR7 CR8 CR9 CR10 CR11 CR12 CR13 CR14 CR15 CR16	
2	5.6R	R1 R2	
8	10R	R3 R4 R5 R6 R16 R17 R25 R30	

4 1.5k

R8
R9
R23
R28

4 2.4k

R10
R13
R19
R22

4 4.7k

R11
R12
R20
R21

2 22k

R18
R27

4 1Meg

R14
R15
R24
R29

4 2.2Meg

R7
R26
R31
R32

10 100n/50V 2.5mm CERAMIC X7R (NOT Y5V)	C1 C2 C5 C6 C13 C15 C22 C23 C29 C31
2 470p / 2.5mm COG/NPO	C17 C26
4 22p / 50V COG	C19 C20 C24 C25
4 100p / 2.5mm COG/NPO	C14 C16 C27 C30
8 CAPACITOR FILTER 100p	CL1 CL2 CL3 CL4 CL5 CL6 CL7 CL8

4 1u/63V 5mm 5% FILM
C18
C21
C28
C32

2 47/25V
C3
C4

4 10u/35V SUNTAN NON POLAR
C7
C8
C9
C10

2 220u/25V
C11
C12

2 THAT1646PO8-U
U1
U2

USE IC SOCKET
USE IC SOCKET

3 OP275GP
U3
U4
U5

USE IC SOCKET
USE IC SOCKET
USE IC SOCKET

5 8PIN DIL SOCKET

1 MS2 RIBBON CABLE ASSEMBLY
1 26WAY PCB TRANSITION HEADER
1 26 WAY FEMALE CABLE SOCKET
1 26-WAY RIBBON CABLE / 8 cm
J2

2 M3x6mm PAN/POZI SCREW
2 M3X25mm MALE TO FEMALE HEX PILLAR

LD052 16 LED METER

Count	Component Name	Designation	Notes
1	LD052 PCB		
5	1N4148	CR1 CR19 CR20 CR21 CR22	
1	BZX85C 12V/1.3W	CR2	
1	5.1R	R30	
2	5.6R	R16 R17	
1	6.8R	R28	
1	9.1R	R27	
2	10R	R26 R29	
1	13R	R25	
1	14.3R	R31	
1	18R	R24	
1	22R	R15	
1	27R	R14	

1 36R	R13
1 43R	R12
1 47R	R2
1 56R	R11
1 75R	R10
2 100R	R36 R37
2 160R	R1 R21
1 196R	R9
1 330R	R4
1 470R	R7
1 1k5	R19
1 2k	R5
1 3k	R22
1 6.8k	R38
2 10k	R20 R23

1 20k	R18
1 43k	R8
4 68k	R32
	R33
	R34
	R35
1 120k	R39
1 620k	R6
1 5.6Meg	R3
1 2mm RED LED	CR3
4 2mm YELLOW LED	CR4
	CR5
	CR6
	CR7
11 2mm GREEN LED	CR8
	CR9
	CR10
	CR11
	CR12
	CR13
	CR14
	CR15
	CR16
	CR17
	CR18

4 LM339 MUST BE ON SEMI

U1
U2
U3
U5

DO NOT FIT IC SOCKET
DO NOT FIT IC SOCKET
DO NOT FIT IC SOCKET
DO NOT FIT IC SOCKET

1 TL072CN

U4

DO NOT FIT IC SOCKET

5 TESTPOINT HUGS SMALL

TP1
TP2
TP3
TP4
TP5

DC IN
12V
+18dBu
0dBu
SIG

2 2N3906

Q1
Q2

8 100n/50V 2mm CERAMIC X7R (NOT Y5V)

C1
C2
C8
C9
C12
C13
C14
C15

1 1u/63V 5mm 5% FILM

C4

1 10u/50V

5 47u/25V

C5
C3
C6
C7
C10
C11

MUST BE 10% OR SELECTED

- 1 RIBBON CABLE ASSEMBLY
- 1 10WAY PCB TRANSITION HEADER
- 1 10WAY CABLE SOCKET
- 1 10WAY RIBBON CABLE

J1

SHORTER RIBBON LEFT METER (BOTTOM)
LONGER RIBBON RIGHT METER (TOP)

- 2 M3 X 15mm MALE TO FEMALE HEX PILLAR

FIX LEFT METER (BOTTOM)

- 2 M3x6mm PAN/POZI SHAKEPROOF

FIX RIGHT METER (TOP)

