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Technobeam® Logic Board Parts List

99030079
BOARD, LOGIC TECHNOBEAM RAW

90101062
OBS, RESISTOR, 10 OHM 1/4W 5%
R1

90412002
CLIP, FUSE #100.056
F1
F2
F3

90101018
RESISTOR, 180 OHM 1/4W 5%
R20
R21
R2
R3

90306014
OPTO, TLP3052
U32
U33

90309037
DIODE, BAV99 SMT STC
D1
D12

90118016
RESISTOR, SMT 100K OHM 5% 1206
R95

90309008
DIODE, 1N4005
D4
D5
D6

90302023
IC, 74HC74AD DUAL D-FLIPFLOP SMT
U34

90306001
LED, ROUND RED SLR37VR3
LD4

90309001

DIODE, 6 AMP BRIDGE PBPC604

BR1

BR2

90305016

IC, LINEAR LM7805-CT REG

REG1

90298012

CAPACITOR, 1.0UF 50V Z5U +80 -20% SMT1812

C2

BC20

BC21

C27

C41

90305022

IC, LINEAR MC7824 CT REGULATOR

REG2

90118002

RESISTOR, SMT 5.1K OHM 5% 1206

R89

90118023

RESISTOR, SMT 47K OHM 5% 1206

R88

90305027

IC, LINEAR LM339 QUAD COMPARATOR SMT

U15

90118019

RESISTOR, SMT 3.3K OHM 5% 1206

R85

90309033

DIODE, TVS UNIDIR'L P6SMB6.8AT3 SMT

D8

D9

D14

90306048

OPTO, PHOTOTRANSISTOR 4N25

U12

U27

90306016

OPTO, 6N137 SHARP

U26

U28

90303012

IC, CHIP DS75176BN RS-485 TRANSCEIVER

U29

90298011

CAPACITOR, MONO 1000PF 100V 5% COG 1206

C21

C25

C31

C37

C51
C57
C63
C69
C90
C20
C10

90306002
LED, ROUND AMBER SLR37YY3
LD1
LD3

90306003
LED, ROUND GREEN SLR37MG3
LD2

90299040
CAPACITOR, LYTIC 4.7UF 50V 105C
C12
C13

90406064
CONVERTER, DC TO DC POWER STC
U30

90118018
RESISTOR, SMT 360 OHM 5% 1206
R73, R74, R75, R76
R82, R83, R84, R98
R99, R100

90407055
HEADER, 3 PIN 2.5MM JST BLACK
SENS1
SENS2
SENS3
SENS4
SENS5
SENS6
COMM

90114012
RESISTOR, THERMISTOR TR250-120RA STC
TH1
TH2

90309032
PP, TVS UNIDIRECTIONAL 15MB 12 AT 3
D7
D10

90407016
HEADER, 4 PIN 2.5MM JST
M1
M2
M3
M4
M5
M6A
M6B
M7
M8

M9
M10
LAD

90302022
IC, 74HC573DW NON-INVERT LATCH SMT NH
U37
U38

90306043
DISPLAY, LED ALPHANUMERIC STC
DSP1
DSP2

90119002
RESISTOR, SMT NETWK 470 OHM ISO 16PIN
RN2
RN3

90308033
TRANSISTOR, ARRAY ULN2003D1 SMT STC
U9
U36

90118022
RESISTOR, SMT 560 OHM 5% 1206
R32
R33
R35
R37

90308030
TRANSISTOR, MMBT2907ALT1 SURFCE MT STC
Q1
Q2
Q3
Q4

90118035
RESISTOR, SMT 100 OHM 5% 1206
R31
R34
R36
R38
R177

90303085
IC, FLASH MEMORY 4MB 29F040 SMT
U4

90405290
SWITCH, PUSHBUTTON 520.02 GRAY STC
SW5
SW6
SW7
SW8

90118041
RESISTOR, SMT NETWK 2.2K BUS 16 PIN
RN1

90406046
JUMPER, BLOCK 10 POS .100"

HD1

90303075

IC, MICROCONTROLLER MC68331CPV16

U1

90307031

IC, DS1821S DIGITAL THERMOMETER

U2

90298002

CAPACITOR, MONO .1UF 50V 10% X7R SMT1206

BC1, BC2

BC3, BC4

BC5, BC6

BC7, BC8

BC9, BC10

BC11, BC12

BC13, BC14

BC15, BC16

BC22, BC23

C9, C17

C18, C19

C26, C32

C38, C52

C58, C64

C70, C82

C83, C84

C85, C86

C87, C88

C89, C29

90118003

RESISTOR, SMT 1K OHM 5% 1206

R25, R41

R42, R43

R46, R47

R50, R51

R54, R55

R58, R59

R62, R63

R66, R67

R70, R130

R168, R169

R163, R164

90302029

IC, 74HCU04 HEX INVERTER UNBUFFERED

U10

U11

90304010

IC, 5V ECONO RESET DS1233 SMT STC

U3

90118006

RESISTOR, SMT 4.7K OHM 5% 1206

R22, R26, R27, R45

R71, R72, R77, R78,

R79, R80, R93, R94

R96, R97, R102,

R131, R133, R134

R139, R140, R145,
R146, R132

90401002
SOCKET, 8 PIN IC
U26
U28
U29

90219008
CAPACITOR, 3300 UF, 16V, 20% RAD
C1

90298001
CAPACITOR, MONO .01UF 100V 10% SMT STC
C5, C6,
C7, C8
C22, C23
C24, C28
C30, C34
C36, C39
C40, C50
C54, C56
C60, C62
C66, C68
C72

90309007
OBS, DIODE, SCHOTTKY BAT42 SGS
D3

90309028
DIODE, ZENER 12V 500M W
D11

90402007
FUSE, 2.5 AMP FAST TS
F2

90308001
TRANSISTOR, MPSW01
Q5

90308031
TRANSISTOR, SURFCE MT MMBT2222ALT1 STC
Q6
Q7

90102061
OBS, RESISTOR, 1 OHM 1/4W 1% METAL FILM
R4, R5
R6, R7
R8, R9
R10, R11
R12, R13
R14, R15
R16, R17
R18, R19
R87, R92
R101, R158

90118107
RESISTOR, SMT 56K OHM 5% 1206

R40, R44
R48, R52
R56, R60
R64, R68
R172, R162

90118039
RESISTOR, SMT 2.2K OHM 5% 1206
R81

90101041
RESISTOR, 470 OHM 1/4W 5% EM DF VIP
R86

90310017
IC, ESD PROTECTION ARRAY STC
U8

90307033
IC, DRIVER 3773 DUAL STEPPER
U18, U19
U20, U21
U22, U23
U24, U25
U39, U35

90407039
HEADER, 2 POS RT ANGLE STATUS CUE
FAN HEADER

90401007
SOCKET, 22 PIN IC
U18, U19
U20, U21
U22, U23
U24, U25
U35, U39

90311001
DAC, AD8803, OCTAL 8-BIT
U13
U16
U31

90405299
SWITCH, PUSHBUTTON MOMENTARY SMT
SW4

90702027
SPACER, 9/32 OD SELF RETAINING #6 THRU
insert in mounting holes, solder side

90118060
RESISTOR, SMT 47.5K OHM 1% 1206
R39, R53
R61, R69
R106, R108
R110, R112
R114, R116
R118, R120
R122, R124
R126, R128
R160, R161

R159, R165

90118052

RESISTOR, SMT 3.92K OHM 1% 1206

R49, R57

R65, R105

R107, R109

R111, R113

R115, R117

R119, R121

R123, R125

R127, R129

R170, R171

R166, R167

90299046

CAPACITOR, LYTIC 1000 UF 50V 105C

C4

C11

C14

90407061

HEADER, BREAKAWAY SIP 9 PIN

DSP1

DSP2

90105003

RESISTOR, 1.5K OHM 1W 5% REDUCED SIZE

R135, R136

R137, R138

R142, R147

R148, R149

R150, R151

R152, R153

R154, R155

R156, R157

R175, R176

R173, R174

90702031

STANDOFF, LED BIVAR TD

LD2

LD3

LD4

90405293

SWITCH, DPDT 10A/6A VOLTAGE SELECT

SW1

SW2

SW3

90215001

CAPACITOR, METAL POLY .01UF 10% 250V R

C3

C33,

C35

90703010

NUT, LOCK 4-40 NYLON INSERT SZ

90709010

SCREW, 4-40 PHIL PAN 5/16 M/S SZ

90308010

SCR, S8025L TECCOR

SC1

SC2

90101035

OBS, RESISTOR, 330K OHM 1/4W 5%

R178

90303086

IC, SRAM 1M 128K X 8 SOJ32

U5A

U6A

90407063

OBS, HEADER, 10 POS. N/C PIN 6, GOLD

J1

90407062

HEADER, 10 POS. N/C PIN 5, GOLD

J2

90403019

FUSE, 6.30 AMP SLOW LITTLEFUSE STC

F3

90118047

RESISTOR, SMT 121K OHM 1% 1206

R141

90303076

IC, PROGRAM LOGIC ISPLSI2032

U14

90501008

CRYSTAL, 32.768KHZ SURFACE MT STC

X1

90298004

CAPACITOR, MONO 22PF 100V 5% COG SMT1206

C15

C16

90118029

RESISTOR, SMT 475K OHM 1% 1206

R24

90118122

RESISTOR, SMT 20M OHM 5% 1206

R23

90118095

RESISTOR, SMT 470 OHM 5% 1206

R91

90118069

OBS, RESISTOR, SMT 0 OHM 1206

R103

90402022

FUSE, 4A 250V FAST

F1

90118058

RESISTOR, SMT 20 OHM 5% 1206

R28, R29

R30, R104

R143, R144

99080051

PLATE, MOUNTING PCB

90709011

SCREW,6-32 PHIL PAN 1/4 M/S SZ

90411043

CAP,PUSH BUTTON EXTENSION

90410095

COVER,LED BUTTON SUPPORT

90709061

SCREW,6-32 PHIL PAN 1/2 M/S SBZ

90303087

IC, EPROM 16K SERIAL AT24C16 2.7V SO8N

U7

90308046

TRIAC, 400V 25A Q4025L6 TO-220

TR1

90308045

SIDAC, 190V 1.0A K2000E70 TO-92

S1

90101040

RESISTOR, 47 OHM 1/4W 5%

R180

90407070

HEADER, 1 BREAKAWAY .100"VP STRAIGHT

HD6

90215002

CAPACITOR, METAL POLY .1UF 10% 250V R

C92

90101033

RESISTOR, 330 OHM 1/4W 5%

R181

90309090

DIODE, SCHOTTKY DUAL COMMON CATHODE SOT23

D15

D16

80440041V1

IC, FLASHROM PROGRAMMED TECHNOBEAM

U4

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