V OHM

OFF

V ≂

OHM/DIODE/BZ

Hz RPM

uA ≂

mA ≂

10A ≂

uA mA

10A

COM

F1 0.5A

F2 10A

D1 4007x4

Z1 IN5342B

R1 1k5 PTC

R2 100k

R3 450 D

R4 45 D

R5 4.5 D

R6 0.98D

R7 0.98D

R8 0.005 D

R14 47k

VB+

BATT 9V

V-

FC4

BZ

U3 4011

C20 10u

R32 2M

Q9 3904

R33 200k

OSC

LCD

-2.8.8.8

U1 ES51972

NC7 VAHZ NC8 NC9 HOLD RANGE KEY (SELECT) FC5 FC4 FC3 FC2 FC1 LBAT9 SDO C+ C- V- DGND AGND AGND.

V+ V+. CH+ CH- CIH BUFH CAZH CL+ CL- CIL CAZL BUFL IVSH IVSL OVX OVH OVSG OR1 VR5 VR4 VR3 VR2 TEST ACVL ACVH ADI ADO ADOHZ VRH VR

OSC1 BUZOUT BUZIN ANNUNC BP2 BP3 BP1 BP4 SEG26 SEG25 SEG24 SEG23 SEG22 SEG21 SEG20 SEG19 SEG18 SEG17 SEG16 SEG15 SEG14 SEG13 SEG12 SEG11 SEG10 SEG09 SEG08 07 06 05 SEG04 SEG03 SEG02 SEG01 RS232 FREQ SLEEP NC6 NC5 NC4 NC3 NC2 NC1 VBAR VR1 SGND ADP VA- VA+

RS232C

C19 104

C2 10u

C4 10u

C6 103

C7 223

R15 200k7

C8 473

C9 104

C10 224

C11 474

R16 200k

R17 100k

R18 100k

R19 100

C12 1nF

Q5 9014

Q6 8050

Q7 8050

Q8 8050

R20 1000

C21 4.7n

R21 1k0

C22 4n7

R22 10k0

C23 4.30P

VC2

R23 10k0

C24 18p

VC1

R24 1M10

R25 10k F

VR2 5k

C5 103

U2B 27L2

R43 680k

R26 22M

C13 104

C14 1uF

R27 15k F

C17 474

D3 4148

D2

R42 6.8k

R29 90.9kF

C18 1uF

R34 6.81F

VR1 2k

C15 1uF

R28 15kF

C25 10PX2

R30 2M5 D x4

C16 2u2

R31 200

R13 620

D5 IS1104R

R37 330k

R38 1M

R39 330k

C3 103

U2A 27L2

Q1 3904

Q2 3904

Q3 3904

Q4 3906

D4 4148x2

D6 D7

D8 D9 IN4148X2

R9 10k

R10 10k

R11 10k

R12 47

R36 10M

C1 10uF

LIGHT

V-(-3V)

UT2.756.003D

R1 4k7

Q1 3906

Q2 3904

Q0 302PT12A-001

R2 10k

R3 10k

R4 390

C1 47uF

C2 47uF

GND

DTR V+

RX

CTS V-