HG2 VD1 R102   VD4 R107   HG4 VD7 R110   VD10 R113   HG6 VD13 R116   VD16 R119   HG8 VD19 R122   VD22 R125   HG10 VD25 R128 VD28 R131

SDATA
OE
LOAD
SCLK
+5V
GND
VCC1
GND
VCC2
GND

HG1 VD2 R103   VD5 R108   HG3 VD8 R111   VD11 R114   HG5 VD14 R117   VD17 R120   HG7 VD20 R123   VD23 R126   HG9 VD26 R129   VD29 R132

VD3   VD6   VD9   VD12   VD15   VD18   VD21   VD24   VD27   VD30

NSM
E-004
LEVEL METER
rev4

IN8 IN7 IN6 IN5 IN4 IN3 IN2 IN1   G A B   G G TX RX +5V

G +5V

DISPLAY
XP8

R186
R193 R192 R191 R190 R189 R188 R187
R195
U23
R184
R185
MD ST G

C25
C37
VD31
ZQ1
U15
R178
R177
C26
C13 C12 C7 C6
U16
C35 C36 C14
U19
R171 R194
OUT L G
C24
L1 C18
R172
OUT R G
BAR LED

R152 R153 R162
R179
U18
C23
C22
R161
R158

C21

R156
R157
R155 R154
R160
R159

C15
C17
C20
C11
C10
C9
C8

R163 R164
R150
R151
C28
R166
R147 R146
U17

R165 C29 R169
C27 R167 C31
R168 C32
C30 170
U20
R145
R144
LEVEL LEFT   LEVEL RIGHT

R173 R175
U21
R174 R176
U22
R139
R138
R136
R134
R137
R182
R135
R183
LP LM RP RM

C33
C34

NSM
E-004
LEVEL METER
rev4

XP9

XS1

R100 R98 R96 R94 R92 R90 R88 R86 R84 R82 R80 R78 R76 R74 R72 R70 R68 R66 R64 R62 R60 R58 R56 R54 R52 R50 R48 R46 R44 R42 R40 R38 R36 R34 R32 R30 R28 R26 R24 R22 R20 R18 R16 R14 R12 R10 R8 R6 R4 R2

R1
XS2

U14 U13 U12 U11 U10 U9 U8 U7 U6 U5 U4 U3 U2 U1

C5   C4   C3   C2   C1

R101 R99 R97 R95 R93 R91 R89 R87 R85 R83 R81 R79 R77 R75 R73 R71 R69 R67 R65 R63 R61 R59 R57 R55 R53 R51 R49 R47 R45 R43 R41 R39 R37 R35 R33 R31 R29 R27 R25 R23 R21 R19 R17 R15 R13 R11 R9 R7 R5 R3

R133   R130   R127   R124   R121   R118   R115   R112   R109   R104

R106 R105

VT1

NSM
E-004
LEVEL METER
rev4

SDATA
OE
LOAD
SCLK
+5V
GND
VCC1
GND
VCC2
GND

XP4 POWER

NSM
E-004
LEVEL METER
rev4

XP5 SWD

PORT
XP1

LINK
XP2

XP11 INDICATION

JP3 JP2 JP1

BOOT MODE 2 MODE 1

XP3 INPUT

R142 RIGHT   R140 LEFT

R181 LEDS   R180 BAR

XP7 OUT R   XP6 OUT L   XP10 KEYBOARD