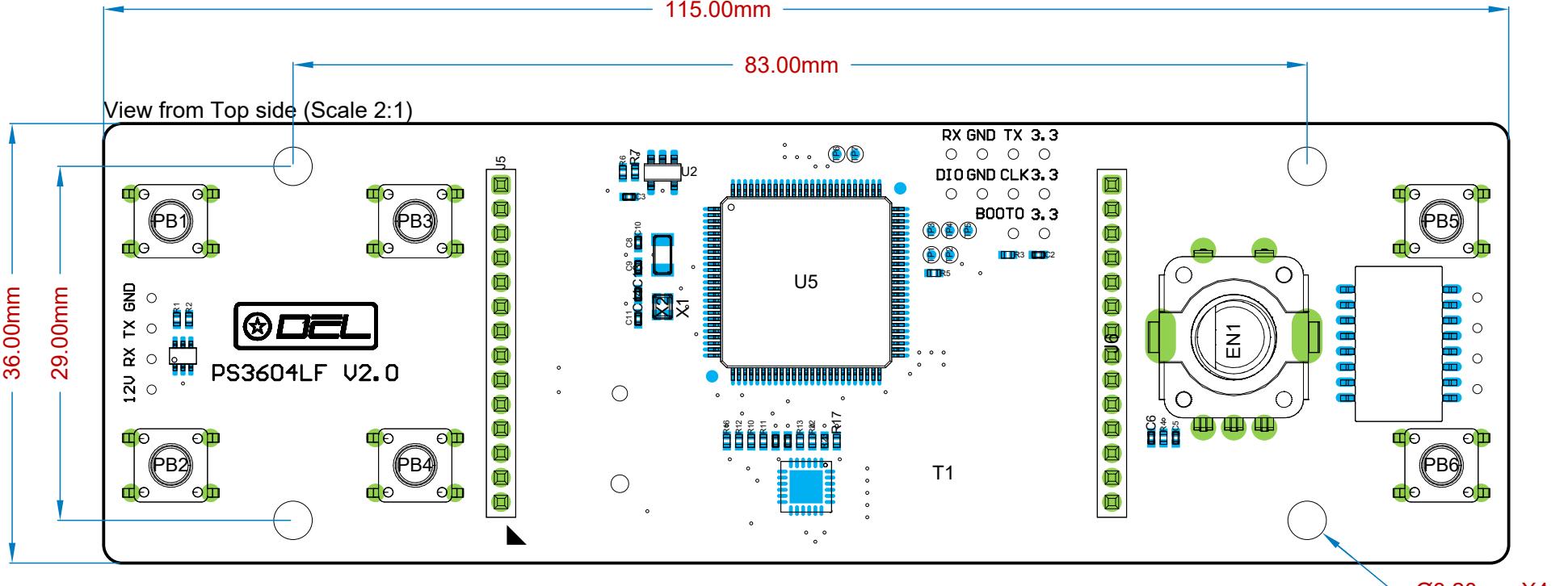


| | | | |
|-------|-----------------|-------------------|-------------------------|
| Title | PS3604LF | Ukraine | Cannot open file |
| Size: | A3 | Kharkiv | D:\RadioDevices\PS3608 |
| | | Storozhenko Roman | \Voronezh\m3627_aliyun. |
| Date: | 2018-09-13 | Revision 2.0 | |
| Time: | 23:58:57 | Sheet 1 of 1 | |
| File: | PS3604LF.schDoc | | |

| Designator | Part Description | Footprint | Part Number | Quantity |
|--|---|------------------------------|--|----------|
| U4 | Small Footprint RMII 10/100 Ethernet Transceiver with HP Auto-MDIX Support | QFN50P400X400X100-25N-S265 | LAN8720A-CP-TR | 1 |
| U3 | 3.3V 1.5A Low Dropout Positive Regulators | TO254P1435X464-4N-R1041X635 | LM1086IS-3.3 | 1 |
| U5 | ARM Cortex-M4 32b MCU+FPU, 210DMIPS, up to 1MB Flash/192+4KB RAM, USB OTG HS/FS, Ethernet, 17 TIMs, 3 ADCs, 15 comm interfaces & camera | QFP50P1600X1600X160-100N | STM32F407VET6 | 1 |
| SK1 | Battery holder for CR and LIR series 1216 to 1220, 1225 | EEMB_BH500 | EEMB_BH500 | 1 |
| J4 | 2 Contacts - Horizontal Contacts Straight Strip Header Pitch 2.54 | 3M_2302-6111-TG | 3M_2302-6111-TG | 1 |
| J1, J7 | 2.50mm Pitch SPOX Wire-to-Board Header, Vertical, Shrouded, 4 Circuits, Tin (Sn) Plating | MOLEX_22-03-5045 | MOLEX_22-03-5045 | 2 |
| J2, J3 | 4 Contacts - Vertical Contacts Straight Strip Header Pitch 2.54 | 3M_2304-6111-TG | 3M_2304-6111-TG | 2 |
| J5, J6 | 14 Contacts - 2mm x 2 mm Straight, Boardmount Socket, 950 Serie | 3M_955114-6102-AR | 3M_955114-6102-AR | 2 |
| X2 | ± 30ppm at (25±3°C), -30°C to +85°C, 6pF, Ceramic SMD Crystal, Type HCR2016 | OSCCC160X200X65-4N | 24MHZ_XRCGB24M00_0F3M00R0 | 1 |
| EN1 | 12 mm Incremental Encoder, 24 pulses, Push Momentary Switch | EN_BOURNS_PEC11R-4x20F-Sxxxx | EN_BOUCHE_PEC11R-4220F-S0024 | 1 |
| U1 | ESD Protection Diode, Low Clamping Voltage | SOT65P220X110-6N | NUP4202W1 | 1 |
| U2 | 8K Serial EEPROM | SOT95P280X145-5N | 24AA08T-I/OT | 1 |
| L1 | SMT Inductors | INDC2520X100N | IND1008_2.UH_20%_TDK_MLP2520S2R2MT0S1 | 1 |
| LD1 | Surface Mount Red LED (0603 Case) | LEDC1608X80N_RED | LED_OF-SMD1608R | 1 |
| LD2 | Surface Mount Red LED (0603 Case) | LEDC1608X80N_BLUE | LED_OF-SMD1608B | 1 |
| LD3 | Surface Mount Red LED (0603 Case) | LEDC1608X80N_YELLOW | LED_OF-SMD1608Y | 1 |
| LD4 | Surface Mount Green LED (0603 Case) | LEDC1608X80N_GREEN | LED_OF-SMD1608G | 1 |
| C1, C2, C3, C15, C16, C22, C23, C24, C25, C26, C27, C28, C31 | SMD Multilayer Chip Ceramic Capacitor | CAPC1005X55N | CC0402_100NF_50V_10%.XTR | 13 |
| C4 | SMD Multilayer Chip Ceramic Capacitor | CAPC3216X100N | CC1206_22UF_16V_20%.X5R | 1 |
| C5, C6 | SMD Multilayer Chip Ceramic Capacitor | CAPC1005X55N | CC0402_10NF_50V_10%.XTR | 2 |
| C8 | SMD Multilayer Chip Ceramic Capacitor | CAPC1005X55N | CC0402_470PF_50V_10%.XTR | 1 |
| C9, C29, C30 | SMD Multilayer Chip Ceramic Capacitor | CAPC1005X55N | CC0402_2.2UF_6.3V_20%.X5R | 3 |
| C10, C11 | SMD Multilayer Chip Ceramic Capacitor | CAPC1005X55N | CC0402_15PF_50V_5%.NPO | 2 |
| C12, C18, C19 | SMD Multilayer Chip Ceramic Capacitor | CAPC1005X55N | CC0402_22NF_16V_10%.XTR | 3 |
| C13, C14 | SMD Multilayer Chip Ceramic Capacitor | CAPC1005X55N | CC0402_6.8PF_50V_0.5PF_NPO | 2 |
| C17, C20, C21 | SMD Multilayer Chip Ceramic Capacitor | CAPC1608X87N | CC0603_4.7UF_10V_10%.X5R | 3 |
| LS1 | Piezo sound generator | HPS13C | HPS13C | 1 |
| C7 | Low ESR 0R025 Tantalum Chip Capacitor | CAPMP7343X310N | CTE7343-31_330UF_6.3V_20%.L_ESR0025_KEMET_T520 | 1 |
| PB1, PB2, PB3, PB4, PB5, PB6 | 12VDC 50mA SPST Tactile Push-Button Switch | PB_E-SWITCH_TL1105HF100Q | PB_E-SWITCH_TL1105HF100Q | 6 |
| X1 | Quartz Crystal ±20ppm | OSCCC150X320X80-2N | 32.768KHz_KX-327NH | 1 |
| R1, R2, R4, R5, R13 | General Purpose Thick Film Chip Resistor | RESC1005X40N | R0402_100R_1%.0.0625W_100PPM | 5 |
| R3, R9, R14, R22, R23 | General Purpose Thick Film Chip Resistor | RESC1005X40N | R0402_1K_1%.0.0625W_100PPM | 5 |
| R6, R7, R16 | General Purpose Thick Film Chip Resistor | RESC1005X40N | R0402_470R_1%.0.0625W_100PPM | 3 |
| R8 | General Purpose Thick Film Chip Resistor | RESC1005X40N | R0402_10R_1%.0.0625W_100PPM | 1 |
| R10, R11, R12 | General Purpose Thick Film Chip Resistor | RESC1005X40N | R0402_10R_1%.0.0625W_200PPM | 3 |
| R15 | General Purpose Thick Film Chip Resistor | RESC1005X40N | R0402_1K5_1%.0.0625W_100PPM | 1 |
| R17 | General Purpose Thick Film Chip Resistor | RESC1005X40N | R0402_12K_1%.0.0625W_100PPM | 1 |
| R18, R19, R20, R21 | General Purpose Thick Film Chip Resistor | RESC1005X40N | R0402_49R9.1%.0.0625W_100PPM | 4 |
| D1 | Schottky Power Rectifier | SOD-123FL | MBR140SFT1G | 1 |
| T1 | 10/100BASE-Tx PC Card LAN Magnetics Module | XFMR_LF-H84P | XFMR_LF-H84P-1 | 1 |
| TP1, TP2, TP3, TP4, TP5, TP6, TP7 | 0.8mm round SMD Pad | TP_SMD_900 | TP_SMD_0.8MM | 7 |



View from Front side (Scale 2:1)

A

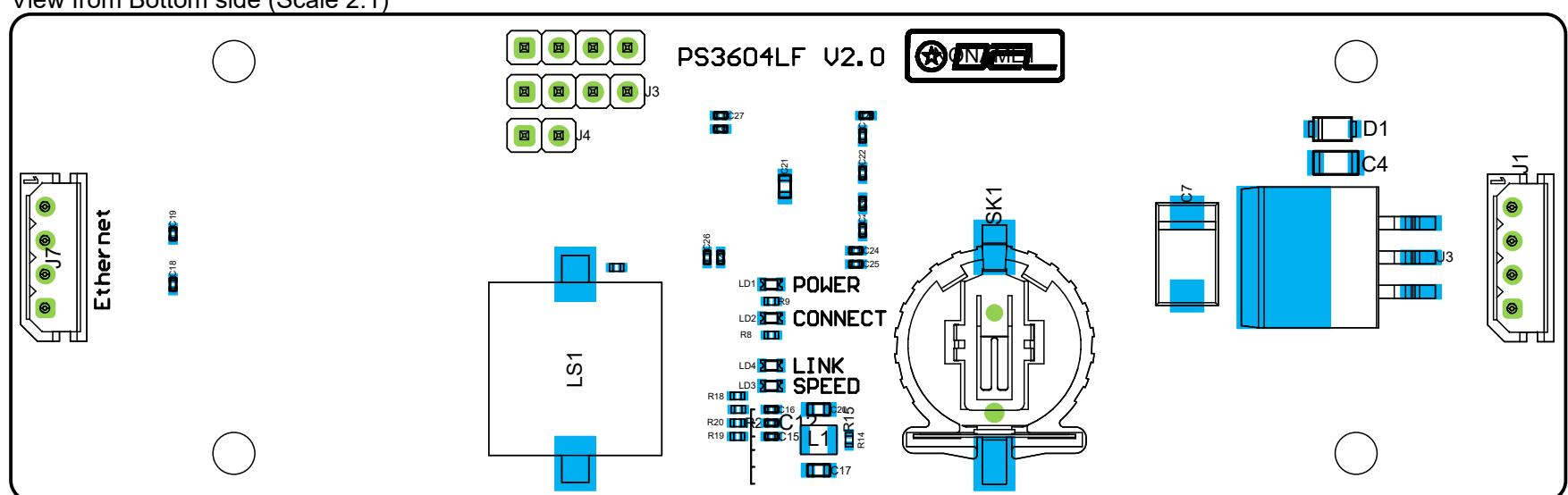
B

C

D

E

View from Bottom side (Scale 2:1)



A

B

C

D

E

