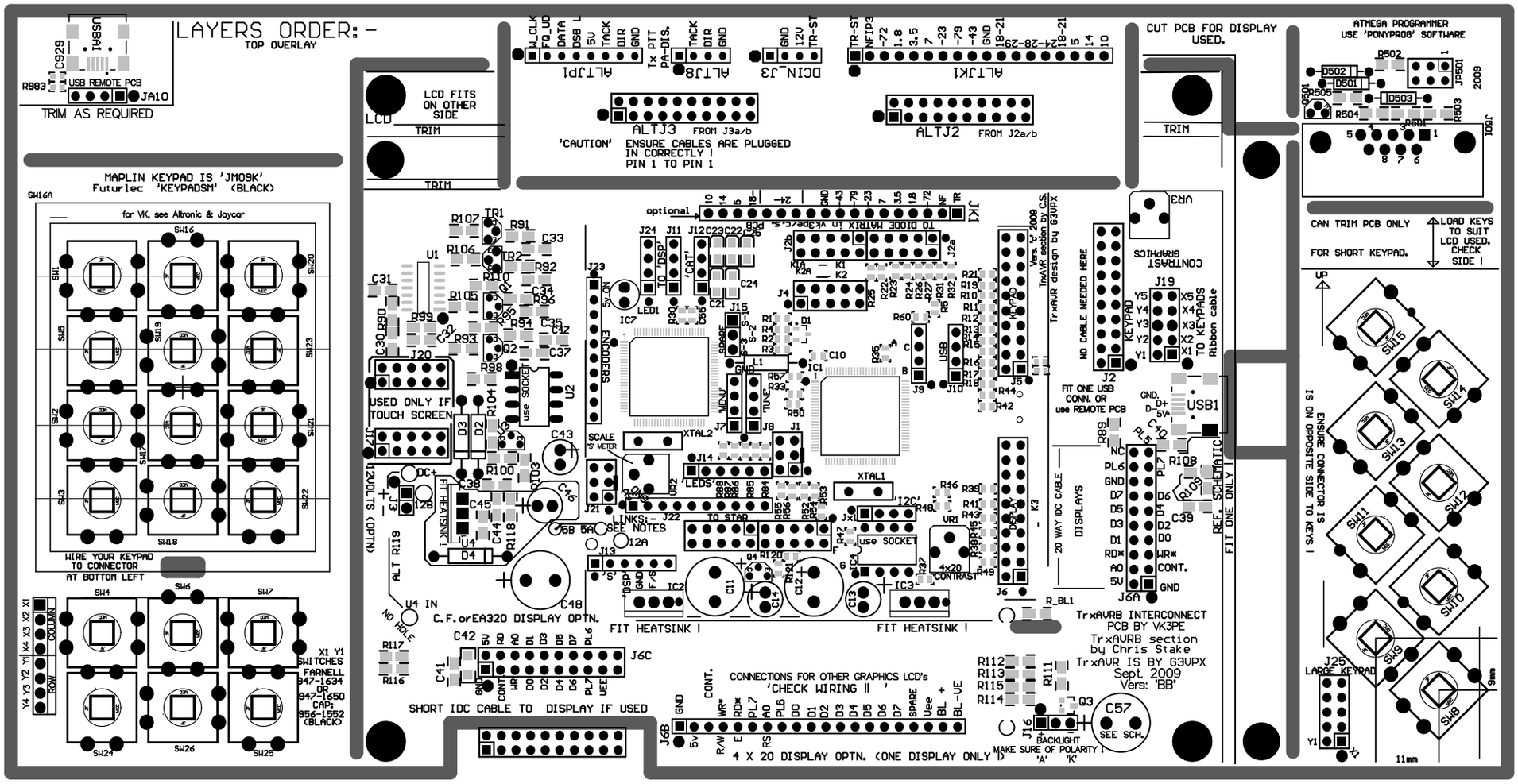
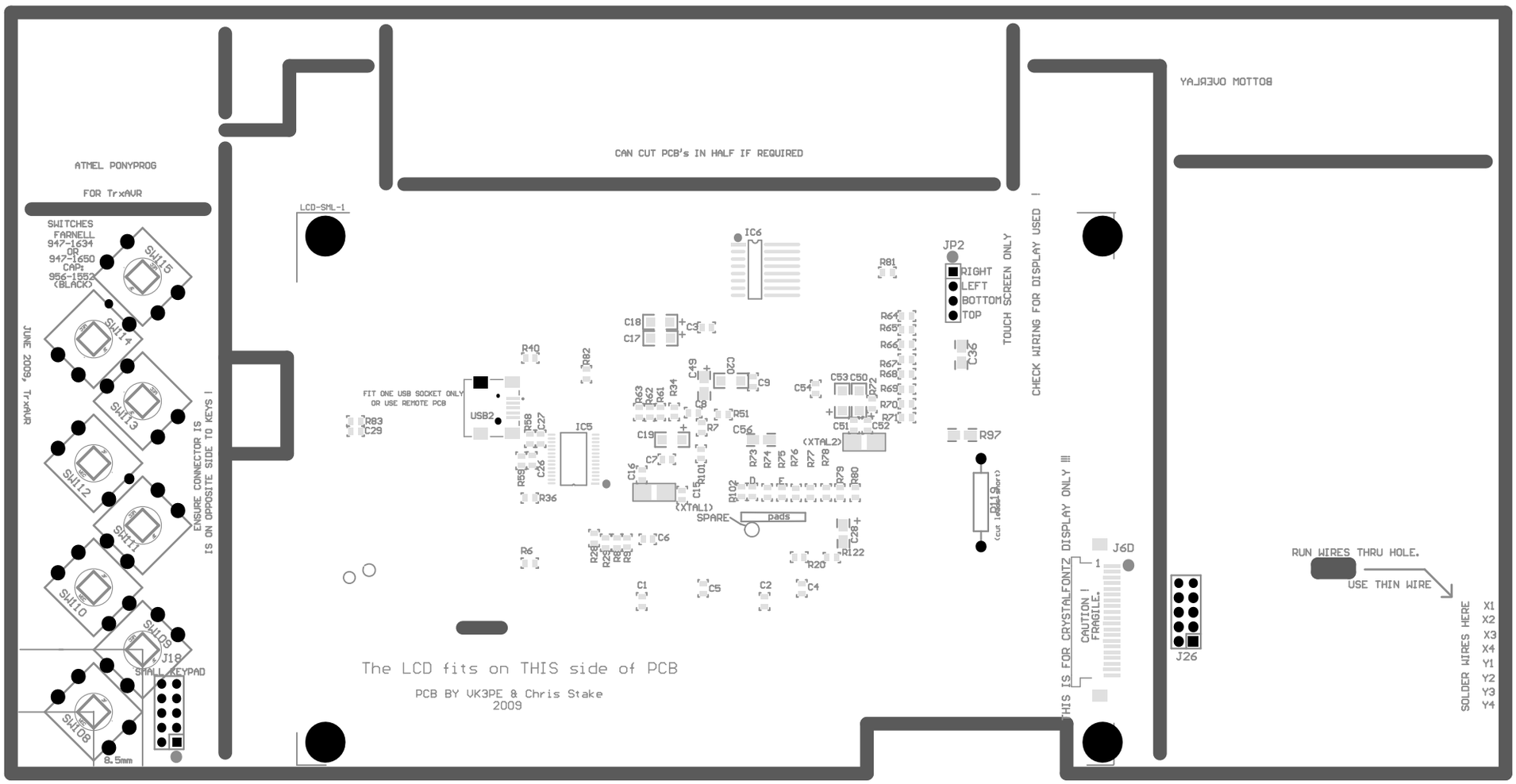

LAYERS ORDER:-
TOP OVERLAY
TRIM AS REQUIRED
USB REMOTE PCB
JA10
LCD FITS ON OTHER SIDE
LCD
TRIM
ALTJP1
ALTJ8
DCIN_J3
ALTJK1
ALTJ3 FROM J3a/b
ALTJ2 FROM J2a/b
'CAUTION' ENSURE CABLES ARE PLUGGED IN CORRECTLY ! PIN 1 TO PIN 1
CUT PCB FOR DISPLAY USED.
ATMEGA PROGRAMMER USE 'PONYPROG' SOFTWARE
MAPLIN KEYPAD IS 'JM09K' Futurlec 'KEYPADSM' (BLACK)
for VK, see Altronic & Jaycar
WIRE YOUR KEYPAD TO CONNECTOR AT BOTTOM LEFT
X1 Y1 SWITCHES FARNELL 947-1634 OR 947-1650 CAP: 956-1552 (BLACK)
USED ONLY IF TOUCH SCREEN
12VOLTS (OPTN)
FIT HEATSINK !
C.F.orEA320 DISPLAY OPTN.
SHORT IDC CABLE TO DISPLAY IF USED
CONNECTIONS FOR OTHER GRAPHICS LCD's 'CHECK WIRING !!'
4 X 20 DISPLAY OPTN. (ONE DISPLAY ONLY !)
TO DIODE MATRIX in vk3pe/c.s.
TrxAVR section by C.S.
TrxAVR design by G3VPX
NO CABLE NEEDED HERE
CONTRAST GRAPHICS
KEYPAD
TO KEYPADS Ribbon cable
FIT ONE USB CONN. OR use REMOTE PCB
20 WAY IDC CABLE
DISPLAYS
REF. SCHEMATIC FIT ONE ONLY !
TrxAVRB INTERCONNECT PCB BY VK3PE
TrxAVRB section by Chris Stake
TrxAVR IS BY G3VPX
Sept. 2009
Vers: 'BB'
BACKLIGHT MAKE SURE OF POLARITY ! 'A' 'K'
CAN TRIM PCB ONLY FOR SHORT KEYPAD.
LOAD KEYS TO SUIT LCD USED. CHECK SIDE !
ENSURE CONNECTOR IS IS ON OPPOSITE SIDE TO KEYS !
LARGE KEYPAD
11mm
9mm



ATMEL PONYPROG
FOR TrxAVR
SWITCHES
FARNELL
947-1634
OR
947-1650
CAP:
956-1552
(BLACK)
SW115
SW114
SW113
SW112
SW111
SW110
SW109
SW108
J18
SMALL KEYPAD
8.5mm
JUNE 2009, TrxAVR
ENSURE CONNECTOR IS
IS ON OPPOSITE SIDE TO KEYS !
CAN CUT PCB's IN HALF IF REQUIRED
LCD-SML-1
IC6
JP2
RIGHT
LEFT
BOTTOM
TOP
TOUCH SCREEN ONLY
CHECK WIRING FOR DISPLAY USED !
FIT ONE USB SOCKET ONLY
OR USE REMOTE PCB
USB2
IC5
(XTAL1)
(XTAL2)
SPARE
pads
R97
D119
(cut leads short)
J6D
THIS IS FOR CRYSTALFONTZ DISPLAY ONLY !!!
CAUTION !
FRAGILE.
J26
RUN WIRES THRU HOLE.
USE THIN WIRE
SOLDER WIRES HERE
X1
X2
X3
X4
Y1
Y2
Y3
Y4
The LCD fits on THIS side of PCB
PCB BY VK3PE & Chris Stake
2009