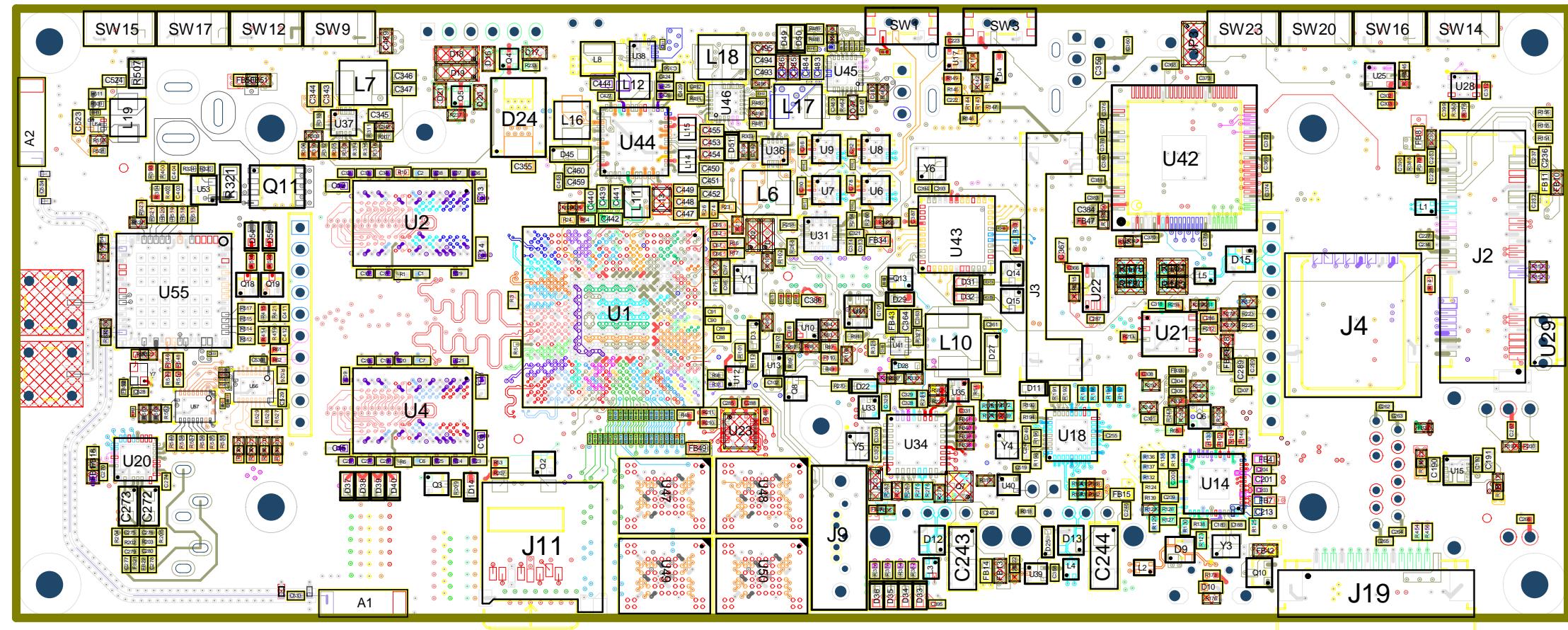
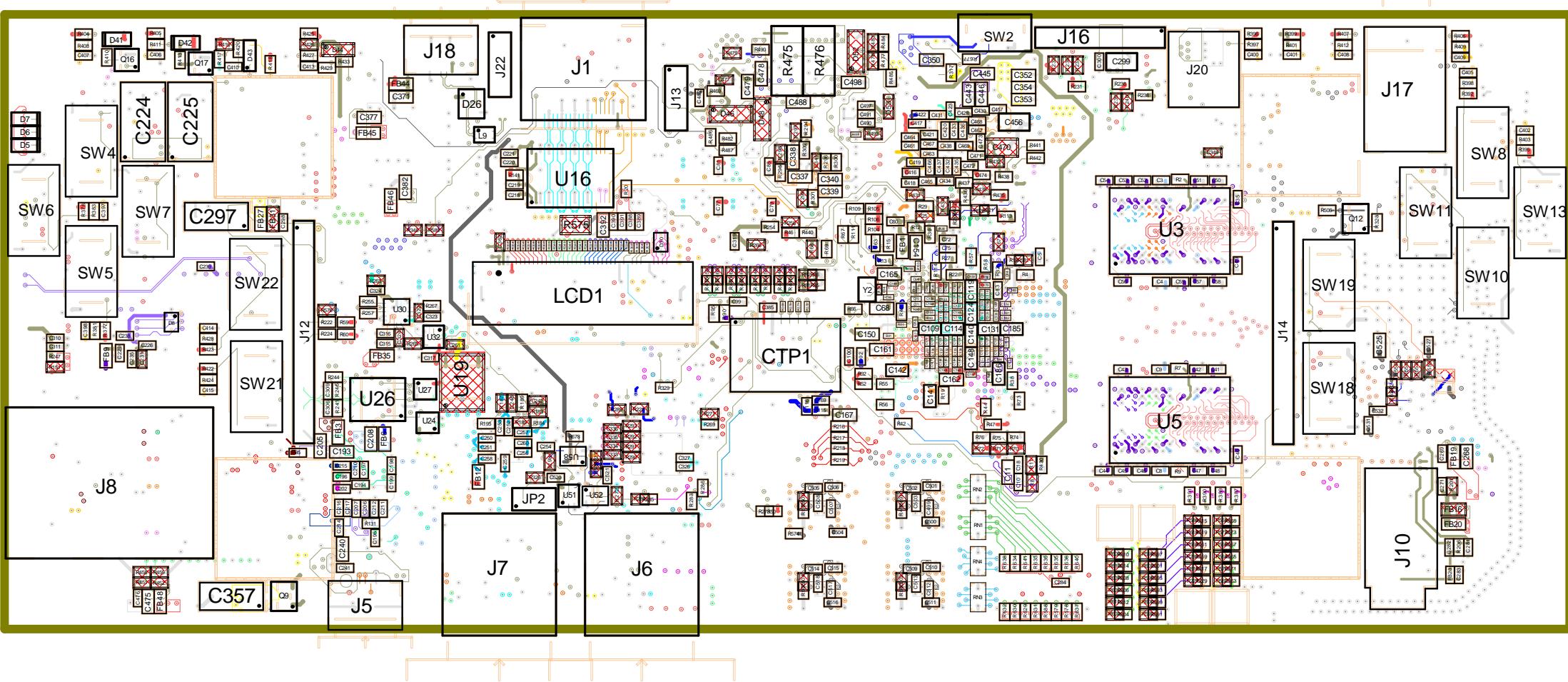


Assembly TOP of GameBoard
V1I1
Prototype



Assembly BOTTOM of GameBoard V111 Prototype



Board info
 Minimum Track: 80um
 Minimum Gap: 75um
 Minimum Through Hole uVIA: 0.45mm (pad) / 0.2mm (drill). Drilling: L1-L12
 uVIA: 0.27mm (pad) / 0.1mm (laser drilled hole). Drilling: L1-L2, L11-L12
 uVIA: 0.30mm (pad) / 0.1mm (laser drilled hole). Drilling: L2-L3, L10-L11

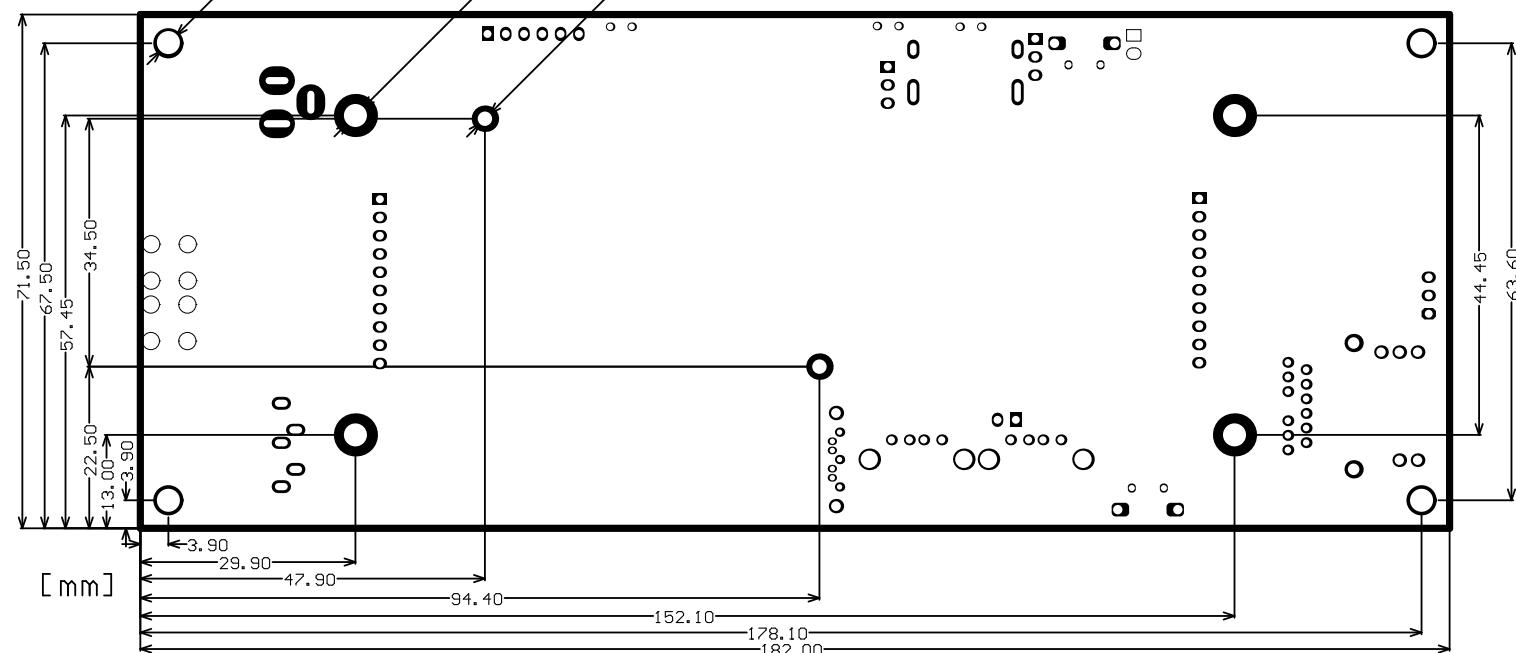
Files
 *.GTO - Top Overlay
 *.GTP - Top Paste
 *.GTS - Top Solder
 *.GTL - LI (Positive)
 *.G1 - L2 (Positive)
 *.G2 - L3 (Positive)
 *.GP1 - L4 (Negative)
 *.G3 - L5 (Positive)
 *.G4 - L6 (Positive)
 *.G5 - L7 (Positive)
 *.G6 - L8 (Positive)
 *.GP2 - L9 (Negative)
 *.G7 - L10 (Positive)
 *.G8 - L11 (Positive)
 *.GBL - L12 (Positive)
 *.GBS - Bottom Solder
 *.GBP - Bottom Paste
 *.GBO - Bottom Overlay
 *.GM2 - Mechanical Drawing
 *.GM3 - Manufacturing Notes
 *.GM28 - Board Outline
 $\varnothing 3.20$

1. REMOVE ALL NON-FUNCTIONAL INNER LAYER PADS.
2. THIS BOARD CONTAINS IMPEDANCE CONTROLLED TRACKS, TRACK AND GAP SIZES ARE AS FOLLOWS:

TYPE:	Impedance:	Layer (Reference):	Width (um):	Gap (um):
DIFF:	90ohm;	L1(L2), L12(L11);	95	120
DIFF:	90ohm;	L3(L2,L4), L10(L9,L11)	90	110
DIFF:	100ohm;	L1(L2), L12(L11);	85	165
DIFF:	100ohm;	L3(L2,L4), L10(L9,L11)	85	195
SE:	55ohm;	L1(L2), L12(L11);	80	
SE:	55ohm;	L3(L2,L4), L10(L9,L11)	80	

3. FINISHED PANEL THICKNESS IS NOT CRITICAL: TO BE APPROXIMATELY 1.6mm
4. BOARD FINISH: IMMERSION Au/ELECTROLESS Ni; 0.05-0.12 um GOLD; 3-6um NICKEL
5. SOLDER RESIST: APPLY TO BOTH SIDES COLOR - DARK BLUE

60 COMPONENT IDEN& COLOR TO BE WHITE



Layer Stack Up Detail					
Layer Name	Gerber Document	Copper Thickness	Processed Thickness	Dielectric Material	Dielectric Er
Top Solder Mask	(.GTS)				
L1	(.GTL)	0.03mm	0.074mm	UT47-1080	3.95
L2	(.G1)	0.03mm	0.106mm	UT47-106	3.8
L3	(.G2)	0.017mm	0.203mm	UT47	4.25
L4	(.GPI)	0.017mm	0.148mm	UT47-1080	3.95
L5	(.G3)	0.017mm	0.102mm	UT47	4.12
L6	(.G4)	0.017mm	0.148mm	UT47-1080	3.95
L7	(.G5)	0.017mm	0.102mm	UT47	4.12
L8	(.G6)	0.017mm	0.148mm	UT47-1080	3.95
L9	(.GP2)	0.017mm	0.203mm	UT47	4.25
L10	(.G7)	0.017mm	0.106mm	UT47-106	3.8
L11	(.G8)	0.03mm	0.074mm	UT47-1080	3.95
L12	(.GBL)	0.03mm			
Bottom Solder Mask	(.GBS)				

iMX6 GameBoard	V1I1
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Mechanical Drawing of GameBoard V1I1