1. Try updating Firmware, done and no error info. So I think USB connection works properly.
2. Monitor J6 debug UART port, the following info show when power up or reset:



1. Measure Voffset(TP20)/Vreset(TP21)/Vbias(TP33) on DMD board.

Voffset(TP20) = 2.95V;

Vreset(TP21) = 0.11V;

Vbias(TP33) = 0.20V;

EN\_offset(J1.2) = 0.00V.

1. Dismount DMD. Short J1 make U1 enabled. Measure Voffset(TP20)/ Vreset(TP21)/Vbias(TP33) again.

Voffset(TP20) = 8.54V;

Vreset(TP21) = -10.05V;

Vbias(TP33) = 16.47V.

So I think DC-DC convertor TPS65145(U1) and its external components work properly.

1. Measure resistance between EN\_offset(J1.2) and GND, 4.145k Ohms.