

Omnex Controls  
74-1833 Coast Meridian Rd.  
Port Coquitlam, BC, V3C 6G5



Dec. 16<sup>th</sup>, 2010

The following changes have been made to the LPT-900 transmitter:

- The synthesizer was changed from National Semiconductor part number LMX2364TMX NOPB to a National Semiconductor part number LMX2485ESQ/NOPB. The synthesizer was changed because the LMX2364TMX part has become obsolete. The new synthesizer uses the same reference frequency and provides the same voltage to the VCO. As a result, the transmitter channels are identical with both the old and new synthesizers.
- A Skyworks switch part number AS214-92LF was added to switch the transmitter output to a 50 ohm load when not transmitting. The addition of this switch lowers output power of the transmitter. The switch was added to further limit the output power of the transmitter when not in transmit mode.
- A lumped element filter was replaced with a Johanson Technology SAW filter part number 0915LP15B026. Both filters have the same passband and attenuation however the SAW filter has a slightly sharper roll off. The filter was replaced to reduce the part count on the PCB.

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