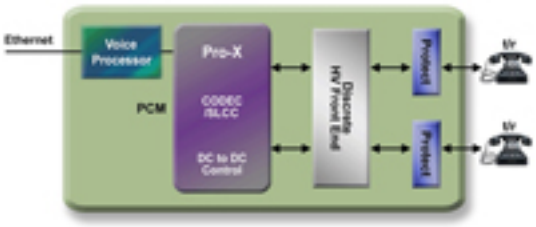
CODEC-SLCC Series Integrates All AFE Functions for Single-Channel Pro-X FXS



Nuvoton Technology Corp. expanded its next-generation Pro-X (PROgrammable Extended CODEC/SLCC) Series devices with the introduction of the N681622 Subscriber Line Control Circuit (SLCC). Supporting one Foreign eXchange Station (FXS) ports, the N681522 operates seamlessly with the company's single-channel and dual channel Pro-X CODEC/SLCC devices -- the N681386 for narrowband (8 kHz) operation and N681387 for wideband (16 kHz) operation, as well as the dual-channel the N682386 (narrowband) and N682387 (wideband). The N681622 integrates all the AFE transistors needed for a single-channel FXS into one package. The resulting chipsets can be implemented in a variety of FXS solutions: single- and dual-channel, narrowband and wideband. The N681386 and N681622, for example, can be used to implement a single narrowband FXS solution, while the N682387 and two N681622s can be designed into dual-wideband FXS solutions. The N681622 extends the Nuvoton Pro-X architecture's objective of distributing temperature gains evenly across the circuit design, ensuring that no "hot spots" develop within end-user systems. By keeping each Subscriber Line Feed Circuit (SLFC) channel in separate packages with individual heat sinks, engineers have more options to control temperature -- even in the most challenging environments. The Pro-X family's CODEC/SLCC and SFLC combination enables a low typical Idle Channel Noise (ICN) -- as low as 3dBRNC -- and typical Return Loss of 40 dB.

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Links:
[1] http://www.nuvoton.com