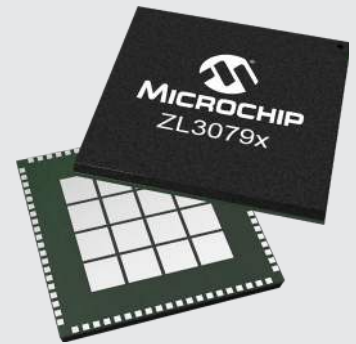


ZL3079x/69x/66x

Robust and Field-Proven Synchronization Solutions for Next-Generation 5G Applications

Summary

The ZL3079x/69x/66x family of synchronization products provide high-accuracy phase measurement and calibration tools, up to three independent DPLL channels, and locking to 1PPS in a feature-rich and highly programmable synchronization solution specifically targeted for 5G applications. It uses a robust and field proven IEEE1588 algorithm with many years of successful field deployments with the highest IEEE1588 market share. Our synchronization products have the performance and features to support 5G base stations and carrier-grade switches and routers, enterprise switches and routers, data center servers, professional broadcast and other high-speed, high-bandwidth applications with the tightest synchronization requirements.



Key Features

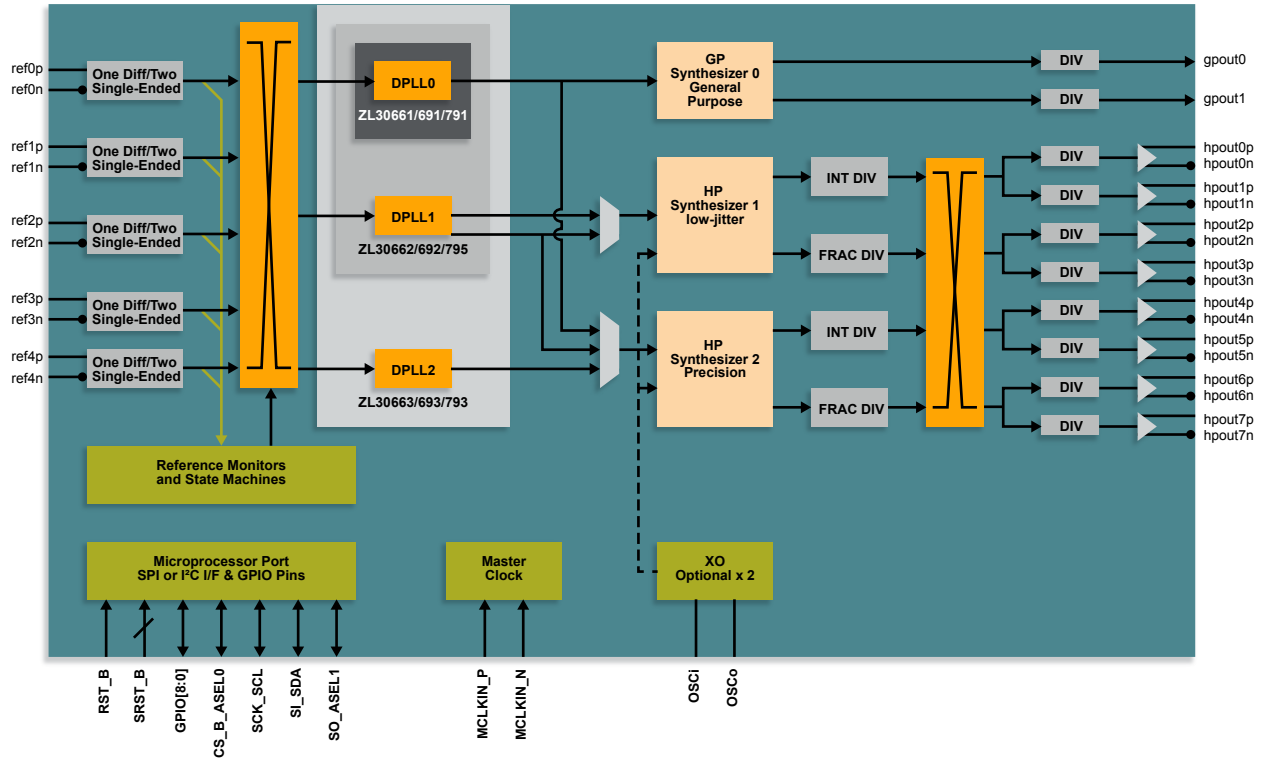
- 1/2/3 DPLL channels
- Two high-precision APLLs and one general purpose APLL
- Any-to-any frequency conversion per channel
- Integer and frac-N output dividers
- Monitor, measure and calibrate frequency and phase features (5G applications)
- Robust and proven 1588 algorithm

Applications

- 5G base stations and carrier-grade switches and routers
- Enterprise switches and routers
- Data center servers

| Part # | Application | # of Channels | DPLLs Can Be NCO | DPLL BW, Hz | Inputs | Outputs | # of Freq Families | Typ/Max Jitter ps RMS | Input Freq. Range, Hz | Output Freq. Range, Hz | Pkg. Size, mm |
|---------|-------------------|---------------|------------------|-------------|--------|-----------|--------------------|-----------------------|-----------------------|------------------------|---------------|
| ZL30661 | SyncE Line Card | 1 | 1 | 14-470 | 5D/10S | 8D/16S+2S | 5 | 0.230/0.300 | 1k-900M | 0.5-1045M | 11 x 11 |
| ZL30662 | SyncE Line Card | 2 | 2 | 14-470 | 5D/10S | 8D/16S+2S | 5 | 0.230/0.300 | 1k-900M | 0.5-1045M | 11 x 11 |
| ZL30663 | SyncE Line Card | 3 | 3 | 14-470 | 5D/10S | 8D/16S+2S | 5 | 0.230/0.300 | 1k-900M | 0.5-1045M | 11 x 11 |
| ZL30691 | SyncE Timing Card | 1 | 1 | 0.1m-470 | 5D/10S | 8D/16S+2S | 5 | 0.230/0.300 | 0.5-900M | 0.5-1045M | 11 x 11 |
| ZL30692 | SyncE Timing Card | 2 | 2 | 0.1m-470 | 5D/10S | 8D/16S+2S | 5 | 0.230/0.300 | 0.5-900M | 0.5-1045M | 11 x 11 |
| ZL30693 | SyncE Timing Card | 3 | 3 | 0.1m-470 | 5D/10S | 8D/16S+2S | 5 | 0.230/0.300 | 0.5-900M | 0.5-1045M | 11 x 11 |
| ZL30791 | SyncE/IEEE1588 | 1 | 1 | 0.1m-470 | 5D/10S | 8D/16S+2S | 5 | 0.230/0.300 | 0.5-900M | 0.5-1045M | 11 x 11 |
| ZL30795 | SyncE/IEEE1588 | 2 | 2 | 0.1m-470 | 5D/10S | 8D/16S+2S | 5 | 0.230/0.300 | 0.5-900M | 0.5-1045M | 11 x 11 |
| ZL30793 | SyncE/IEEE1588 | 3 | 3 | 0.1m-470 | 5D/10S | 8D/16S+2S | 5 | 0.230/0.300 | 0.5-900M | 0.5-1045M | 11 x 11 |

Block Diagram



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