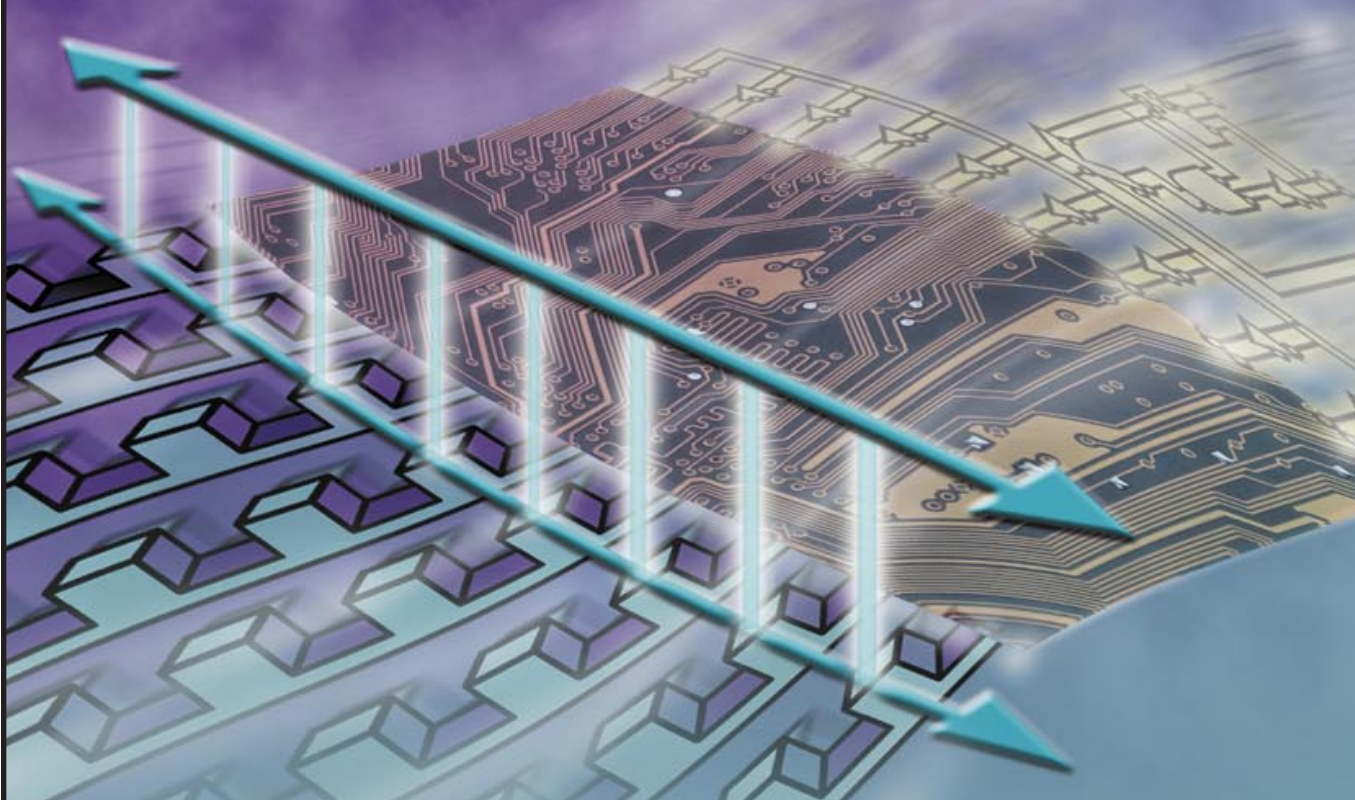


When Every Pico Second Counts

Think Semtech's Industry-Standard ECL Logic Family



Think Semtech for Industry-Standard SK10/100Exx
ECL Logic Out-performing the competition with:

- Larger Operating Voltage Ranges
- On-chip Termination (optional)
- True Complementary TTL Outputs

For:

- Automated Test Equipment and Instrumentation
- High-end Computers and Workstations
- Telecommunications and Networking



SEMTECH

Today's Results...Tomorrow's Vision



SK10/100E111

1:9 Differential Clock Driver

SK10/100E131

4-Bit D Flip-Flop

SK10/100E142

9-Bit Shift Register

SK10/100LVE111

Low-Voltage 1:9 Differential
ECL/PECL Clock Driver with
enable input

SK10/100EP111

Low-Voltage 1:10 Differential
ECL/PECL/HSTL Clock Driver

- First Alternative Source to ECL Industrial Standard Products
- All products fit 3.3V and 5V supply options
- All Products meet Industrial temperature range
- Wider variety of package offerings



SK15xx Series

3 GHz, 1:5 Clock and Data
Distributors

SK19xx Series

3 GHz, 1:9 Clock and Data
Distributors

SK44xx Series

3 GHz, Quad Buffer /
Receivers

- 1:5 and 1:9 Signal Distribution Driver
- Quad 1:1 Buffer/Receiver
- Highest Speed up to 3GHz
- Low Skew and Low Jitters
- On chip output terminations and input resistors
- Anything to PECL or ECL Translator
- CML Output option

Industry Standard ECL Logic Family

Proprietary Clock Distribution/Buffer Family