



# Smart Meter Technology

## Product Selection Guide

[www.ttiinc.com](http://www.ttiinc.com)



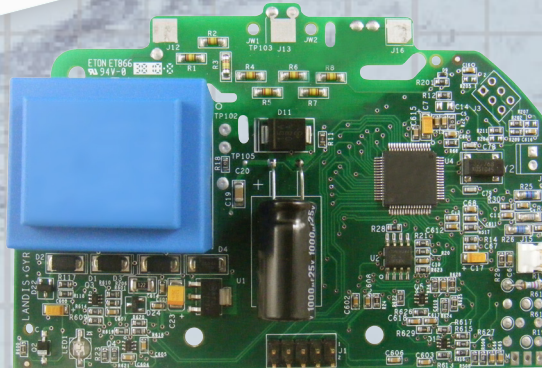
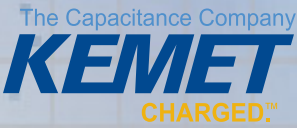
The Specialist in Electronic Component Distribution

# TTI'S ESSENTIAL COMPONENTS FOR SMART METER TECHNOLOGY

- Capacitors
- Circuit Protection
- Connectors
- Discrete Semiconductors
- Electromagnetic Components
- Electromechanical
- Resistors

TTI's line card features world-class manufacturers with the most advanced products for your Smart Meter design. Designers and manufacturers of utility meters can take advantage of TTI's Interconnect, Passive, Electromechanical and Discrete portfolio to ensure accuracy, reliability and security. TTI, recognized as the industry's leader in service and quality, can support 96% of your BOM and together we can build for the future.

**96% of total components found in a typical smart meter are available at TTI.**



**Capacitors**  
Aluminum Electrolytic  
Ceramic  
EDLC / Supercapacitor  
Film  
Polymer  
RF Film  
Tantalum

**Circuit Protection**  
Diode Arrays  
Fuses  
GDTs  
MOVs & MLVs  
NTC/PTC Thermistors  
Protection Thyristors  
Resettable Fuses  
TVS Diodes

## Discretes

- Diode Arrays
- MOSFETs/Transistors
- Rectifiers
- Schottky Diodes
- Thyristors
- TVS Diodes
- Voltage Regulators
- Zener Diodes
- Infrared Receivers
- LEDs
- LED Displays
- Optocouplers



## Electromagnetic

- EMI / RFI Filters
- Ferrite Beads
- Inductors
- RF Filters
- Timing Devices
- Transformers



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**The Specialist in**  
**Electronic Component Distribution**



## Connectors

- Board-to-Board
- D-Sub
- FFC/FPC Connectors
- Headers
- IDC Connectors
- Modular Jacks
- SMM/DMM Connectors
- Smart Card Reader
- Terminal Blocks
- Zero Insertion Force



## Resistors

- Current Sense/Shunt
- MELF
- Metal Film
- Networks/Trimmers
- Potentiometers
- Pulse Withstanding
- Thick Film
- Wirewound
- Thin Film

**BOURNS®**

**C&K**

*E-Mech*  
AC Power Supplies  
DC/DC Converters  
Relays  
Switches



**muRata Ps**  
Murata Power Solutions

**Honeywell**

**Littelfuse®**  
Expertise Applied | Answers Delivered

**muRata**  
*Innovator in Electronics*

**KOA®**  
KOA SPEER ELECTRONICS, INC.

**Panasonic** Panasonic Electric Works Corporation of America

**PHOENIX CONTACT**  
INNOVATION IN INTERFACE

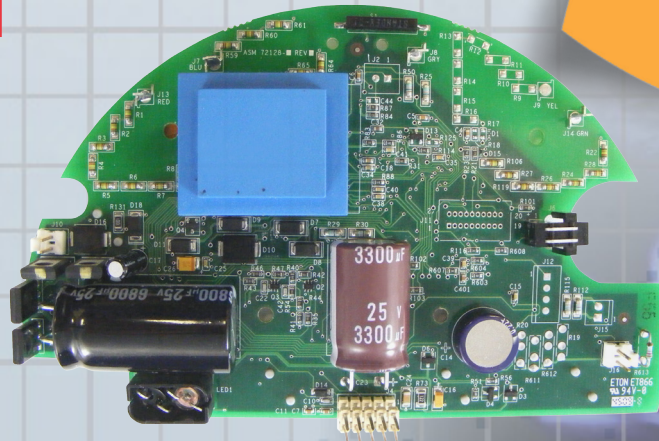
**TT electronics**

*Sensors*  
Current  
Hall-Effect  
Optical  
Shock  
Temperature

**TOSHIBA**  
Leading Innovation >>>

**OHMITE®**

**OMRON®**



## Why Buy from TTI?

From its modest beginning in 1971, TTI steadily has grown to become the world's leading passive and connector specialist in the electronic component industry. The company was founded on the premise that passive purchasing could be made more efficient by offering superior specialized customer-driven service provided by product knowledgeable representatives. TTI's commitment to the customer remains as valid today as always.



## Product Knowledgeable Experts

TTI has a team of specialists with more product experience and knowledge than any other distributor. All TTI employees participate in company-wide training programs, plus every one of our sales branches has a team of product managers on-site to provide that extra support that customers need. Through the years these exceptional specialists have become, and remained, the most knowledgeable in the electronic component industry.

## Broader and Deeper Inventories

TTI maintains extensive inventories by stocking more than 500,000 parts with more than 80% available for immediate delivery. That's more interconnect, passive, electromechanical, and discrete parts than from any other source. We remain committed to breadth and depth of inventory, ensuring availability of C and D class parts as well as commodity parts.

## Leading Edge Technology Products

The manufacturers TTI partners with are the companies that lead the industry into new component technologies. For customers, this means that TTI enlists the help of the manufacturers who can help solve any design challenge. Our product groups also focus on new product introductions to ensure we have the very latest and most technologically-advanced products readily available from stock.

### *Global Distribution Centers & Supply Chain Solutions*

TTI has more than 1.2 million square feet of automated warehousing in North America, Europe, and Asia. All are linked into a global warehouse management system that provides superior customer service and overall business efficiencies, supported out of our supply chain solutions. Wherever you are in the world, TTI can support you.

## Quality and Reliability

TTI offers its customers an ongoing commitment to quality and service excellence. TTI implemented Total Quality Management in 1989 and has been ISO9000 registered since 1993. We were the first distributor to have all of our global warehouse locations ISO registered and have since upgraded to ISO9001:2008 and AS9100B in North America and AS9120 in Europe. With one global documentation system that ensures that every TTI branch and warehouse in the world follow the same processes. Year after year, customers rate our quality and management practices to be among the very best in the industry. This is especially important when the products are the typical high mix, low value parts on which we have built our reputation.

