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Intelligent Building Application Guide (Smart Home & Lighting)

TTI, Inc., – A Berkshire Hathaway Company



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The Specialist in Electronic Component Distribution



**Global Distribution Centres
with more than 120,000m²
of automated warehousing
in North America, Europe
and Asia.**

Why Choose TTI?

Founded in 1971, TTI has steadily grown to become a world leading specialist distributor of electronic components. The company was founded on the premise that passive component purchasing could be made more efficient by offering product specialization, customer-driven service and proprietary supply chain solutions.

Global Distribution Centres

Our European headquarters is located just outside of Munich, Germany in Maisach-Gernlinden. In total, we have 35.000m² of dedicated warehouse space and local sales and technical support in over 40 locations across Europe. TTI has more than 120,000m² 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. Wherever you are in the world, TTI can support you.

Year after year, customers rate our inventory availability, on-time delivery and accuracy among the very best in the industry – contact us today to find out what a true specialist has to offer.

Quality and Reliability

TTI's global warehouses are all ISO-registered and have received certification to the ISO 9001 and ISO 14001 Standards. TTI Europe is also certified to EN9120/EN9100, IECQ-CECC and ISO/IEC 27001 Standards. Additionally, our European sales branches are ISO 9001 certified. TTI has one global documentation system that ensures that every TTI branch and warehouse in the world follows the same processes.



Smart Home & Lighting Applications

Climate control/HVAC

- Ventilation
- Air condition
- Heating
- Smart window blinds
- Smart thermostats

Safety and security

- Access control
- Keyless entry
- Fire detection
- Gas detection
- Video surveillance
- Alarm systems

Intelligent lighting

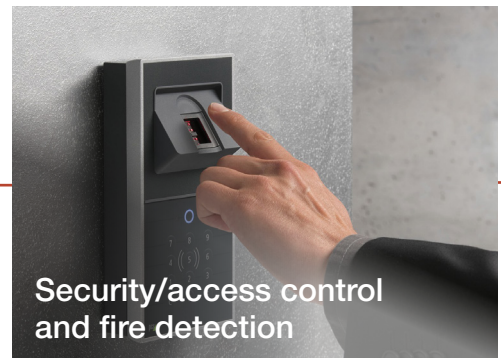
- Indoor lighting
- Outdoor lighting
- Smart Street lighting
- Horticultural lighting

Others

- Smart e-Meter
- Smart water monitoring and shut off



Climate control/
HVAC



Security/access control
and fire detection



Lighting



Metering/
gas and e-Meter

Connectors

<p>Amphenol®</p>	<p>Amphenol®</p>	<p>Amphenol®</p>	<p>Amphenol®</p>
<p>eco mate® Aquarius™</p>	<p>FLH Mini Sealed 2.50mm Connectors</p>	<p>FICX Series</p>	<p>RotaConnect® WTB/BTB</p>
			
<p>Amphenol®</p>	<p>Amphenol®</p>	<p>Amphenol®</p>	<p>Amphenol®</p>
<p>USB Solutions</p>	<p>Modular Jack RJ45 Connector Solutions</p>	<p>USB 3.1 Type C Connectors</p>	<p>Anytek – Terminal Blocks</p>
			
<p>AVX® A KYOCERA GROUP COMPANY</p>	<p>AVX® A KYOCERA GROUP COMPANY</p>	<p>HARWIN</p>	<p>HARWIN</p>
<p>WTB Low Profile IDC Series 9176-800</p>	<p>Single High Current IDC Contact</p>	<p>Archer M50 (1.27mm pitch)</p>	<p>EMC Shield Cans</p>
			
<p>molex</p>	<p>molex</p>	<p>molex</p>	<p>molex</p>
<p>KK 254 and KK 396 Connectors</p>	<p>Easy-On FFC/FPC Connectors</p>	<p>Premo-Flex Cable Jumpers</p>	<p>SlimStack Board-to-Board Connectors</p>
			

Connectors

<p>molex</p>	<p>molex</p>	<p>molex</p>	<p>molex</p>
<p>Squba Sealed Wire-to-Wire Connectors</p>	<p>Micro-Fit 3.0 Family</p>	<p>Spot-On Wire-to-Board Connector System</p>	<p>Combo Antennas</p>
			
<p>molex</p>	<p>PHOENIX CONTACT</p>	<p>PHOENIX CONTACT</p>	<p>TE connectivity AUTHORIZED DISTRIBUTOR</p>
<p>CP-6.5 Wire-to-Board Connector System</p>	<p>SKEDD</p>	<p>PCB Connectors with SKEDD Technology</p>	<p>AMPMODU – Interconnectsystem</p>
			
<p>TE connectivity AUTHORIZED DISTRIBUTOR</p>	<p>TE connectivity AUTHORIZED DISTRIBUTOR</p>	<p>TE connectivity AUTHORIZED DISTRIBUTOR</p>	<p>TE connectivity AUTHORIZED DISTRIBUTOR</p>
<p>Cable labels, Markers & Tags</p>	<p>CoolSplice Connectors</p>	<p>Micro-MaTch Connector Family</p>	<p>BUCHANAN WireMate</p>
			
<p>TE connectivity AUTHORIZED DISTRIBUTOR</p>	<p>TE connectivity AUTHORIZED DISTRIBUTOR</p>	<p>TE connectivity AUTHORIZED DISTRIBUTOR</p>	<p>TE connectivity AUTHORIZED DISTRIBUTOR</p>
<p>1.5mm AMP Mini CT Connector</p>	<p>LIGHT-N-LOK Connectors</p>	<p>Hermaphroditic Blade and Receptacle Connectors</p>	<p>Lumawise Endurance S Series</p>
			

E-Mech & Sensors

			
<p>CRE – 10uraturemm DIP Coded Rotary Switches</p>	<p>Anti-vandal Sealed Pushbuttons</p>	<p>SS SubMiniature Detector Switches</p>	<p>CG2RL Low Profile General Purpose PCB Power Relays</p>
			
			
<p>G5NB Compact & High Capacity PCB Power Relays</p>	<p>DJ-H Latching Relays</p>	<p>DW – polarized Relays</p>	<p>CW Series</p>
			
			
<p>RT1 Inrush Power Relays</p>	<p>SCHRACK Power PCB Relays RZ Series</p>	<p>IM Signal Relays</p>	<p>T9602 Harsh Environment Temperature Sensors</p>
			
			
<p>HPM Series Particle Sensors</p>	<p>MIPS Media Isolated Pressure Sensors</p>	<p>103SR Series</p>	<p>Nanopower Series Magnetoresistive Sensors</p>
			

Sensors & Power

<p>Honeywell</p>	<p>OMRON</p>	<p>OMRON</p>	<p>Panasonic</p>
<p>HAQ Air Quality</p>	<p>MEMS Thermal Sensors</p>	<p>2JCIE Environmental Sensor</p>	<p>PAPIR</p>
			
<p>Sensata Technologies</p>	<p>Sensata Technologies</p>	<p>SGX SENSORTECH</p>	<p>SGX SENSORTECH</p>
<p>Klixon 3 NT Thermostat</p>	<p>116CP Water Pressure Sensors</p>	<p>Refrigerant Gas Leak Detection</p>	<p>Easy Indoor Air Quality, the MICS-VZ-89TE</p>
			
<p>TE connectivity AUTHORIZED DISTRIBUTOR</p>	<p>TE connectivity AUTHORIZED DISTRIBUTOR</p>	<p>ARTESYN The Joint Advanced Energy</p>	<p>ARTESYN The Joint Advanced Energy</p>
<p>HTU2X Humidity Sensors</p>	<p>MS5200 Sensor Series</p>	<p>LCC Power Supply</p>	<p>IMP configurable Power Supply</p>
			
<p>MW MEAN WELL</p>	<p>MW MEAN WELL</p>	<p>MW MEAN WELL</p>	<p>muRata INNOVATOR IN ELECTRONICS</p>
<p>KNX-20E-640</p>	<p>LPH-18-12 ACDC</p>	<p>LPV 20-150W ACDC Power Supplies</p>	<p>BAC1 1W AC/DC supports ultra low standby power</p>
			

Passives

 <p>AVX[®] A KYOCERA GROUP COMPANY</p>	 <p>muRata INNOVATOR IN ELECTRONICS</p>	<p>Panasonic INDUSTRY</p>	<p>Panasonic INDUSTRY</p>
<p>Supercapacitors family</p>	<p>NFM Capacitor</p>	<p>ECQUA Series (Class X2) Film Capacitors</p>	<p>MLCC/Polymer</p>
			
<p>Panasonic INDUSTRY</p>			
<p>ZKU Series Hybrid Capacitor</p>	<p>DC link capacitors for harsh environments</p>	<p>Ceralink Capacitors</p>	<p>230 EDLC-HV Energy Storage Capacitors</p>
			
			<p>YAGEO</p>
<p>T52 Capacitors</p>	<p>T59 Capacitors</p>	<p>Polymer Capacitors</p>	<p>MLCC – HCV Series Capacitors</p>
			
<p>YAGEO</p>			
<p>AC-AS-Series Multilayer Capacitors</p>	<p>HVC Contractors</p>	<p>UTM 250 + MSM Fuses</p>	<p>MCB Rotational Absolute Magnetic Kit Encoder</p>
			

Passives

			
SRP High Current Shielded Power Inductors	Power Inductors (TDK brand)	HA72L/HM72L	IHLE
			
			
Metal Film High Precision Chip Resistors	Anti-Surge/Pulse Thick Film Resistors	EBW8518 Resistors	GHVC Series Resistors
			
			
LRMAP3920 & LRMAP5930 Resistors	CH MICROWAVE Resistors	Shunt Resistors	Thermistors
			
			
B57*V2 & B57*C Varistors	SMD multilayer Varistors	Sfernice 981HE Sensors	Model SM8SF-Q series TVS Diode
			

Diodes, IC's & MOSFET's

			
<p>PTVS-Series Diodes</p>	<p>Commercial Grade TVS Diodes</p>	<p>eSMP Rectifiers Diodes</p>	<p>MSPxx-Series Diodes</p>
			
			
<p>PLZxx-Series Diodes</p>	<p>IX9907 Integrated Circuit</p>	<p>TC75S67T Integrated Circuit</p>	<p>DG012B Integrated Circuit</p>
			
			
<p>SIC462ED Integrated Circuit</p>	<p>SIC931BED Integrated Circuit</p>	<p>TPWR8004PL,L1Q MOSFET</p>	<p>SI7460DP-T1-GE3 MOSFET</p>
			
			
<p>SIHD7N60E-GE3 MOSFET</p>	<p>SIHH27N60EF MOSFET</p>	<p>SIHP065N60E MOSFET</p>	<p>SIHP11N80E MOSFET</p>
			

MOSFET's & Opto's

			
<p>SIR626ADP MOSFET</p>	<p>SIR680ADP MOSFET</p>	<p>SISS32LDN MOSFET</p>	<p>KPDA-1806 Opto</p>
			
			
<p>KPG-0603 Opto</p>	<p>KPG-1005 Opto</p>	<p>KPHD-1608 Opto</p>	<p>SSRs & Gate Drivers Opto</p>
			
			
<p>OPF350A/OPF352A Opto</p>	<p>Infrared Solutions Opto</p>	<p>TEMT6200FX01 Opto</p>	<p>VCNL3040 Opto</p>
			
			
<p>VCNL4040M3OE Opto</p>	<p>VOS617A Opto</p>	<p>VOW3120 Opto</p>	<p>VSMY98545 Opto</p>
			



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Contact TTI today to see what a true specialist can offer.

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