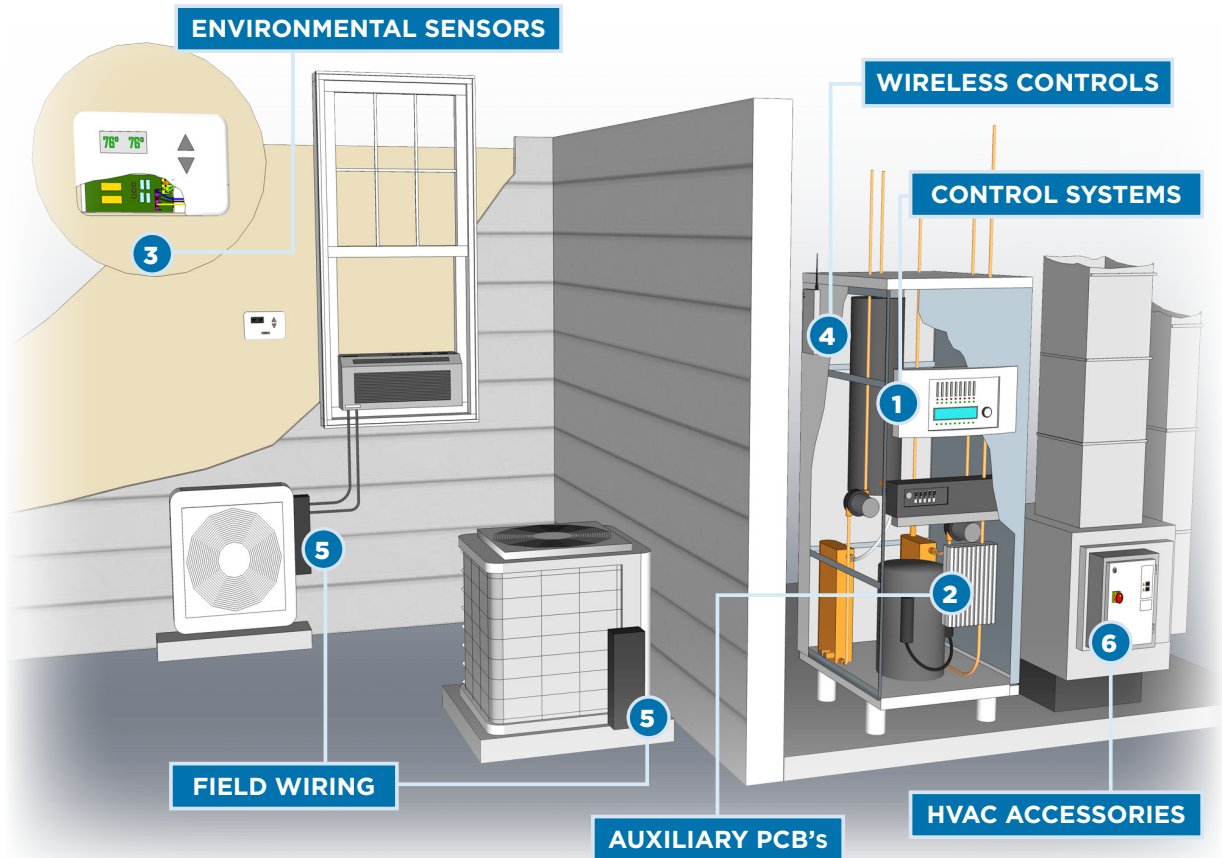


HEATING, VENTILATION & AIR CONDITIONING SYSTEMS

INNOVATIVE SOLUTIONS

Stay ahead of the trends for increased
building comfort and control

TE OFFERS SOLUTIONS FOR ALL YOUR HVAC NEEDS.



FEATURED PRODUCTS



5 Mini Sealed Universal MATE-N-LOK Connectors

- Achieve design flexibility and polarization with interchangeable contacts
- Prevent accidental mis-mating with positive locking mechanism
- Protect against humidity and moisture with IP 56 & IP 57 rating

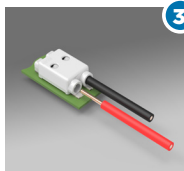
"Universal MATE-N-LOK"
1-1773458-0



1 Mass Termination Assembly (MTA), 2 SL & CST Connectors

- Reduce assembly costs with mass termination of wire
- Allow for daisy chain applications with wire feed-through capability
- Increase design flexibility with right-angle and vertical mount products and through-hole and surface mount configurations

"MTA, CST, SL"



3 Releasable Poke-In Wire Connectors

- Minimize shadowing with rounded corners
- Save space with low profile design
- Allow for repeatable, flexible wire insertion

"Releasable Poke-In"
1-1773730-4



1 Power Relays, T9A, T92, T9E, PU 2 9400 and 9100

- Meet a broad range of switching requirements
- Achieve design flexibility with one or two pole configurations

"Power Relays"
1-1773706-6

Search key words and document numbers on te.com

DESIGN NAVIGATOR

SUBSYSTEMS

	1	2	3	4	5	6	Max Current Rating (A) ¹	Max Voltage Rating (V) ¹	Operating Temperature Range (°C)	SMT Compatible	Wire Range (AWG)	Wire-to-Board	Wire-to-Wire	Board-to-Board	Standards
AMP CT & Mini CT Connectors	•	•	•		•		4	125 AC	-40 to +105	•	30-22	•	•		UL, CSA
AMPLIVAR Terminals and Splices	•				•		varies	varies	-65 to +150		24-6.5	•	•		N/A
AMPMODU Interconnect System	•	•					3	250 AC	-65 to +125	•	32-20	•	•	•	UL, CSA
Antenna and Molded Interconnect Device (MID) ²				•						•					
Barrier Strips and Tab Accessories	•	•			•		30	600 AC/DC	-40 to +120		30-10	•			
Circuit Breaker W-28	•				•		50	250AC/32DC	-20 to +60						UL, CSA, VDE
Definite Purpose Contactors					•	•	500	900 DC	-40 to +65						UL
DIP switches	•	•	•				0.1	50 DC	-30 to +85	•					
Dynamic Series Connectors	•				•		65	630 AC	-55 to +105	•	30-6	•	•	•	UL, RU, CSA, TUV
Economy Cluster Blocks	•				•		13	240			20-16				GWT, UL
Economy Power (EP) Connectors	•	•			•		11	600 AC	-25 to +105	•	22-16	•	•		UL, IEC
Eurostyle and Labeled Eurostyle Terminal Blocks	•	•	•				10	300 AC/DC	-30 to +105	•	30-12	•			UL, cUL
FASTON & Positive Lock Terminals & Splices	•	•	•		•	•	48	600 AC/DC	-40 to +250		26-10				UL, CSA, IEC
Fine Pitch Board-to-Board Connector	•		•				.3A per pin	50V	-40 to +85	•				•	
Flexible Printed Circuit (FPC) Connectors			•				1	200 AC	-40 to +85	•		•			VESA
Grace Inertia Connectors	•	•			•		3.5	600 AC/DC	-30 to +105		28-20	•	•		UL, CSA, IEC-GWIT
Heat Shrink Tubing					•				-30 to +250						UL, CSA
High Performance Interconnects (HPI)		•	•				3	250 AC/DC	-25 to +105	•	32-22	•			
Identification - Electrical and Warning	•	•	•	•	•	•			-30 to +120						
Identification - Rating, Rack, Panel and Cabinet	•	•	•	•	•	•			-40 to +150						UL
LCD Coaxial Embedded Display Interface (LCEDI) Connectors			•				1	100 AC	-20 to +85	•	<30	•			UL, VESA
MAG-MATE Terminals	•				•		varies	varies	-65 to 150		52-12	•	•		UL
Mass Termination Assembly (MTA), SL & CST Connectors	•	•			•		5	600 AC	-55 to +105	•	26-18	•	•		UL, CSA
Mid-Range Relays RZ, RT, ORWH, PCH, T77, RY, T75, MSR, EJ	•	•	•		•		8	20/100 AC/DC	-40 to +85						UL, CSA, VDE, SEMKO, IEC
Mini Sealed Universal MATE-N-LOK Connectors					•		9.5	600 AC	-55 to +105	•	30-16	•	•		UL, CSA, VDE
Miniature AMP-IN Connectors	•						4	250 AC			24-20	•			UL
Power Double Lock Connectors		•			•		14	300 AC	-30 to +105		20-16, 26-22	•	•		UL, CSA, IEC, VDE
Power Inductors (Noise Filtering)					•		varies*	varies*	varies*	•					
Power Relays, T9A, T92, T9E. PU 9400 and 9100	•	•	•		•		75	400 AC/DC	-40 to +85						UL, CSA, VDE, SEMKO, IEC
POWER TRIPLE LOCK Connector System	•	•			•		20	600	-55 to 105		22-12	•	•		UL, CSA, GWT
RAST-Compliant Wire-to-Board Connectors	•	•					16	250	-40 to 130		24-12	•	•		UL, VDE, CQC, GWT
Releasable Poke-In Wire Connector			•				6	400 AC/DC	-30 to +105	•	22-18	•			UL, IEC
Resistors	•	•	•				varies*	varies*	varies*	•					
RJ45 Connectors	•						1.5	150 AC	-40 to +85	•	26-22	•			UL, IEC
Sensors	Refer below for product details														
Signal Double Lock Connectors	•	•			•		3	50 AC/DC	-30 to +105		26-20		•		UL, CSA, VDE
Signal Relays IM, P2	•	•	•		•		2	250 AC/220 DC	-40 to +85	•					UL, VDE, TUV, CQC, Industry
Slide Switches	•	•					3	20 DC	-20 to +80						
SMT Poke-in Connectors			•				5	250 AC/DC	-40 to +105	•	22-18	•			UL
Tactile Switches	•	•	•				0.05	24 DC	-35 to +105	•					
Transformers	•	•			•	•		600 AC							UL
Universal MATE-N-LOK Bulkhead Solutions					•		19	600 AC/ DC	-55 to +105		30-10		•		rUL, CSA
Universal MATE-N-LOK Connectors	•	•					19	600 AC	-55 to +105	•	30-10	•	•	•	UL, IEC
VAL-U-LOK Connector System	•	•			•		9A	600	-40 to 105		26-16	•	•		UL, VDE, CQC, GWT
Vertical Screwless Inline Connector			•				2	600 AC/DC	-30 to +105		18-16	•			UL

Sensors									
	Type	Product Series	Accuracy	Range	Operating Temp Range	Time Response	SMD	Pressure Type	Output Type
Temperature	NTC Thermistor	Leadless Chip, 44000 Series, DO-35, Packaged Probe	±0.2°C	-40 to +250°C	-40 to +250°C	1 to 10 sec	N/A	N/A	R
	RTD Temperature Sensor	Wirewound - 3650, Thickfilm - 12552, Packaged Probe	±0.2°C	-40 to +800°C	-40 to +800°C	1 to 10 sec	N/A	N/A	R
	Non-contact Thermopile	TS105/318 Component, TSEV Series Module	±0.3°C	-40 to +2000°C	-40 to +2000°C	5mSec	N/A	N/A	V
Humidity	Probe Assemblies	Refrigeration Molded Sensors, Pipe Mount Sensors	±0.2°C	-40 to +125°C	-40 to +125°C	1 to 10 sec	N/A	N/A	R
	Humidity Component/Module	HS1101LF	±0.3°C	0 to 100%	-60 to +140°C	10 sec	±0.5% RH/yr	N/A	C
	Digital Humidity Sensor	HTU21x Series	±0.3°C	0 to 100%	-40 to +125°C	10 sec	±0.5% RH/yr	N/A	D
Pressure	Board Level Pressure	MS45x5, MS5525DS0, MS5637, MS5611, MS5803	±0.2°C	0.07 to 300psi	-40 to +125°C	1mSec	±1% FS/yr	G,A,D,C,V	R,A,D
	Transducer/Transmitter	MS200, US300, US300, MSP300	±0.1°C	50 to 30,000psi	-40 to +125°C	1mSec	±1% FS/yr	G,D	R,A,D
Combination	Pressure/ Humidity/ Temperature	MS8607	±0.1°C	10 to 2000mBar 0 to 100% RH -40 to +85°C	-40 to +85°C	1 sec	N/A	A	D

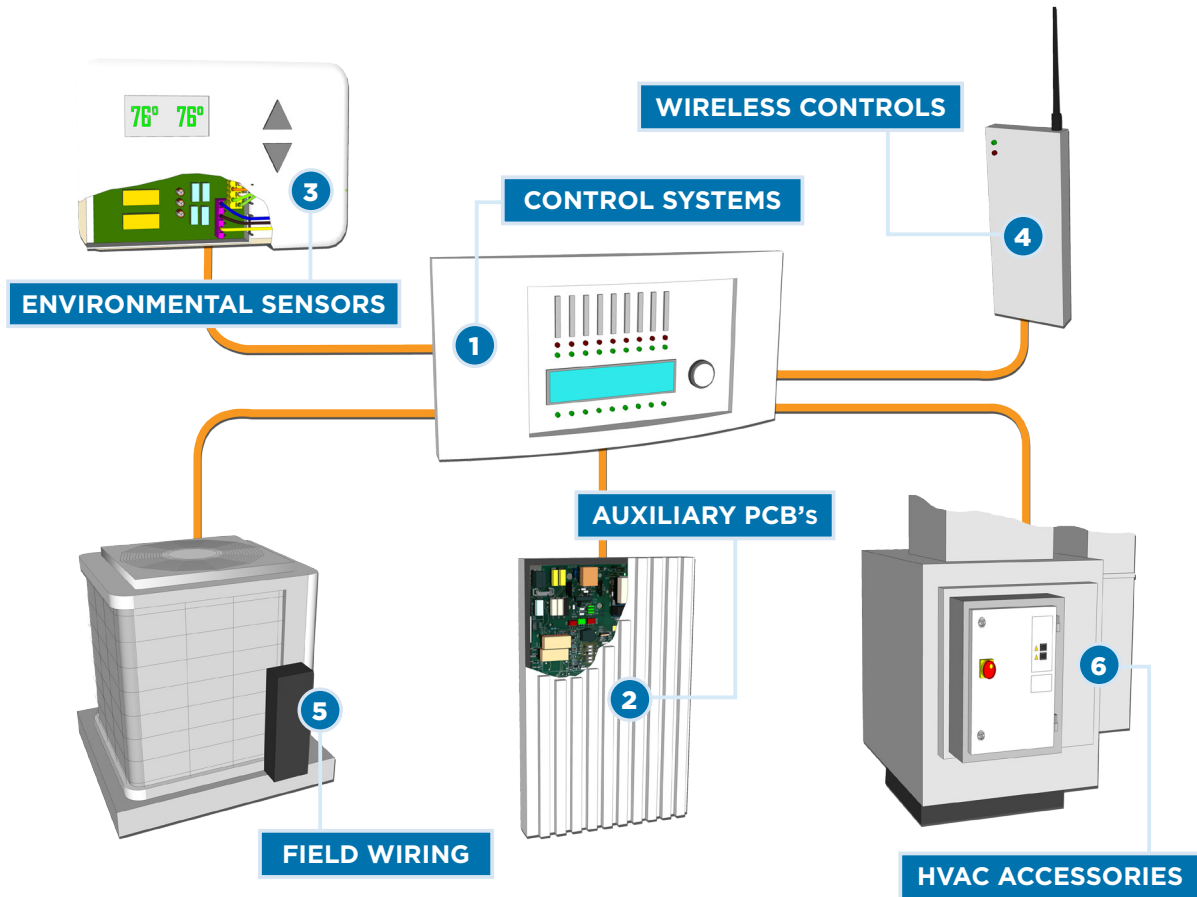
- CQC - China Quality Certification
- CSA - Canadian Standard Association
- cUL - Tested to Canadian Standards by Underwriters' Laboratories
- IEC Industry - International Electrotechnical Commission
- RU - Recognized Under
- rUL - UL Registered
- SEMKO - Svenska Elektriska Materielkontrollanstalten
- TUV - Technischer Überwachungs-Verein
- UL - Underwriters' Laboratories
- VDE - Verband Deutscher Elektroingenieure
- VESA - Video Electronics Standards Association
- A - Absolute
- R - Resistance
- S - Sealed Gauge Ratiometric
- C - Compound 4-20mA
- D - Differential
- G - Gauge
- V - Vacuum

¹ May vary based on application and product selection

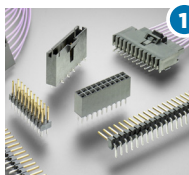
² TE is a leading developer and manufacturer of high performance embedded and external antennas. Visit www.antenna.te.com to learn more.

* Current rating, voltage rating, and operating temperature range may vary based on application and product selection

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FEATURED PRODUCTS



1 AMPMODU Interconnect System

- Achieve high vibration performance and reliability with polarized latching receptacles
- Reduce termination time with optional insulation displacement contacts (IDC)
- Satisfy a broad range of signal needs with easy application and a competitively priced portfolio

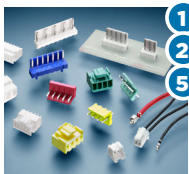
"AMPMODU"
1307819



1 Circuit Breakers W-28

- Provide low cost secondary protection for many different industry applications
- Save space by combining on/off switch and circuit protection in a single unit
- Simplify assembly with snap-in mounting

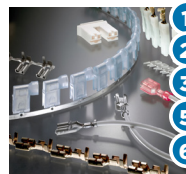
"Circuit Breakers"
1308242



1 Economy Power (EP) Connectors

- Achieve easy mating and unmating with positive audible latch
- Support reliability with fully seated contacts and Terminal Position Assurance (TPA)
- Facilitate simple retrofit and design-in with intermateable market design

"Economy Power"
7-1773458-5
82056



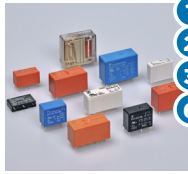
1 FASTON & Positive Lock Terminals & Splices

- Provide PC board self-retention with kinked connector design
- Save space with miniaturized discrete wire interconnect
- Offer design flexibility with IDC and crimp termination methods


"FASTON"
82004

Search key words and document numbers on te.com

FEATURED PRODUCTS



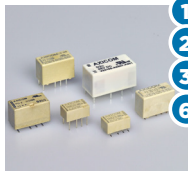
- 1
 - 2
 - 3
 - 6
- ### Mid-Range Relays RZ, RT, ORWH, PCH, T77, RY, T75, MSR, EJ
- Design for printed circuit board mounting with splash-resistant, flux-tight, and sealed variations
 - Enable a broad range of commercial and industrial applications with 3 to 20A current carrying capability
 - Achieve inrush currents of up to 800A with normally open or normally closed contacts

 "Relays"
1-1773706-8




- 1
 - 2
 - 5
- ### Universal MATE-N-LOK Connectors
- Achieve easy mating and unmating with positive audible latch
 - Improve reliability in high moisture environments with splash proof options
 - Maintain ultimate safety with egg-crated, finger-proof design

 "Universal MATE-N-LOK"
82181




- 1
 - 2
 - 3
 - 6
- ### Signal Relays IM, P2
- Create space-saving designs with low-profile versions
 - Provide design flexibility with SMT and Thru Hole options
 - Prevent leakage with RT V/ IP67 rated seals

 "Relays"
1-1773706-6



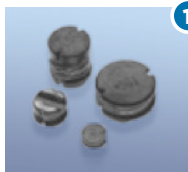
- 1
 - 2
- ### Slide Switches
- Improve product durability with electrical life cycle rating of 60,000 operations
 - Achieve design flexibility with 2-, 3-, and 4-position switch configurations
 - Eliminate hand soldering with hand insertion applicator for mounting

 "Slide Switches"
8-1773450-9




- 1
 - 2
 - 5
 - 6
- ### Transformers
- Meet industry requirements with UL compliant design
 - Achieve design flexibility with various pin configurations and mounting types
 - Support a wide range of applications with ratings from 1.1VA to 150VA

 "Transformers"



- 1
- ### Power Inductors (Noise Filtering)
- Enable high frequency designs and support applications requiring noise suppression
 - Improve design flexibility with shielded and unshielded device options
 - Allow for current capability up to 38 amps

 "Power Inductors"

 Search key words and document numbers on te.com

LET'S CONNECT

TE Connectivity brings you power products that drive design solutions. As power requirements vary depending on the application, TE helps solve your power challenges by taking the guess work out of the equation by providing a variety of products with key design characteristics. With our wide variety of products and superior design capabilities, you will find the right match for your unique application.

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