

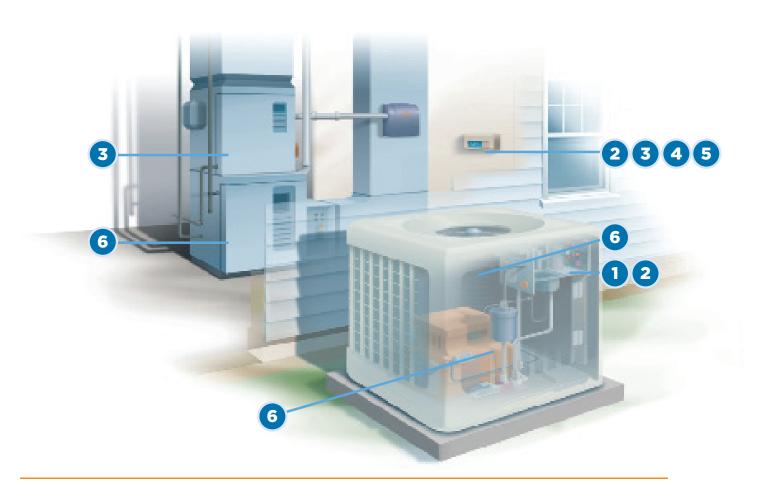
Control boards, power systems, cable assemblies, controllers, timers and sensors that support end products or systems



TE offers solutions for your subsystem design needs.



- 1 Main Control/ Invertor/ Power Board
- 2 Cable Assembly/ Interconnect
- 3 Sensors/ Switches/ Timers
- 4 Display
- 5 Wireless
- 6 Compressor/ Motor/ Timers



DESIGN NAVIGATOR	Max Current Rating (A)	Ease of Assembly	High Vibration Perfor- mance	Space Saving Design	Particle and Liquid Sealing	Thermal Performance	Protection Against Mechanical Shock	Quick Connect/ Discon- nect	Standards
(1) Main Control/ Invertor/ Power Board									
AMPMODU Board-to-Board & Wire-to-Board Connector	1 to 3								UL, CSA
AMP-IN Terminals	5								UL, CSA
Circuit Protection Devices (CPD)					Refer be	low for produ	ct details		
DIP Switches	0.4								N/A
Economy Power (EP) Wire-to-Board Connectors	4.5								UL, CSA, IEC-GWIT
FASTON Terminals/ Positive Lock Receptacles	24								UL, CSA, IEC
Grace Inertia Wire-Applied Connectors	3.5								UL, CSA
Mass Termination Assembly (MTA), SL & CST Connectors	5								UL, CSA
PCB Connector for RAST Standard	16/10								UL, CSA, IEC-GWIT
PCB Relays	35								RU, CSA, UL, TUV, SEMCO, CQC, Industry*
Power Triple Lock (PTL) Wire-Applied Connectors	20								UL, CSA, GWIT
Power & Signal Double Lock Wire-Applied Connectors	5/3								UL, CSA, IEC, VDE
Precision Resistors	N/A								N/A
Universal MATE-N-LOK Wire-Applied Connectors	19								RU, UL, CSA, IEC, VDE
(2) Cable Assembly/ Interconnect									
AMPMODU Board-to-Board & Wire-to-Board Connectors	1 to 3								UL, CSA
AMP CT & Mini CT Wire-to-Board Connectors	3		•						UL, CSA
Economy Power (EP) Wire-to-Board Connectors	4.5								UL, CSA
FASTON Terminals/ Positive Lock Receptacles	24			•					UL, CSA, IEC
Grace Inertia Wire-Applied Connectors	3.5					•			UL, CSA, IEC-GWIT
Heat Shrink Tubing	N/A		•	•			•	•	UL
Labels & Indentification	N/A				•				UL
Mass Termination Assembly (MTA), SL & CST Connectors	5					•			UL, CSA
Multi 6 pos. Power Double Lock (PDL) Wire-Applie Connectors	9								cURus, CQC
PCB Connector for RAST Standard	16/10								UL, CSA, IEC-GWIT
Power Triple Lock (PTL) Wire-Applied Connectors	20	•	•	•			-		UL, CSA, GWIT
Power & Signal Double Lock Wire-Applied Connectors	5/3								UL, CSA, IEC, VDE
Terminals & Splices	30			•					UL, CSA, Industry*
Universal MATE-N-LOK Wire-Applied Connectors	19								UL, CSA, IEC, VDE
	15			<u> </u>					OE, COA, IEC, VDE
(3) Sensor/ Switches/ Timers	1		1				1	1	
AMP CT & Mini CT Wire-to-Board Connectors	3	•		•			•	•	UL, CSA
FASTON Terminals/ Positive Lock Receptacles	24	•	•			•	•	•	UL, CSA, IEC
PCB Connector for RAST Standard	16/10	•	•	•			•	•	UL, CSA, IEC-GWIT
PCB & Signal Relays	35/2	•		•					RU, VDE, UL, TUV, CQC, Industry*
Tactile Switches	50mA	•		•					N/A
Terminals & Splices	0	•	•			•	•	•	UL, CSA, Industry*
(4) Display									
Circuit Protection Devices (CPD)					Refer be	low for produ	ct details		
Flexible Printed Circuit (FPC) Connectors	0.5	•	•	•			•	•	N/A
LCD Coaxial Embedded Display Interface (LCEDI) Connector	1	•	•	•				•	VESA
(5) Wireless									
Antennas	N/A								N/A
Coax Connectors	0.5								ETSI
(6) Compressor/ Motor/ Transformer									
AMPLIVAR Magnet Wire Terminals & Splices	N/A								N/A
Cluster Blocks	N/A								UL
Magnet Wire Termination MAG-MATE Connectors	N/A			<u> </u>				<u> </u>	UL
.5	1.7/		-	1	1		1	1	1 32

Refer below for product details

Circuit Protection Devices

	Circuit Protection Devices (CPD)											
			Overcurrent	Protection		Overvoltage Protection			Overtemperature Protection	Hybrid Protection		
	Polyswitch	Chip Fuses				2410 Very Fast					2Pro	PolyZen
	Devices	Pulse Tolerant	0603 Very Fast Acting	Fast Acting	Slow Blow	Acting Fuses	GDT	GDT	PESD	RTP Devices	Devices	Devices
Compressor	•											
Motor	•											
Transformer	•									•	•	
Power Supply		•	•			•	•			•	•	•
Display	•	•	•	•	•	•		•	•			

UL -UL Listed
RU -Recognize Under
CSA -Canadian Standards Association
* Industry - Meets product specific industry
standards (see product page on te.com for
more detail)

 $^{^{\}mbox{\scriptsize 1}}$ May vary based on application and product selection

Featured Products



Positive Lock Connectors

- Maintain greater mating retention with locking mechanism and built-in dimple
- Maximize mating cycles and contact retention with low insertion force design
- Meet flame retardant safety requirements with glow wire capable or VO products also available

"Positive Lock" 82004



PCB Connector for RAST Standard

- Fulfill UL, VDE and CQC requirements for global acceptance
- Achieve high vibration performance and reliability with polarized latching receptacle
- Reduce termination time with insulation displacement option

"RAST Connector" 1654742 7-1773465-5



Circuit Protection Devices (CPD)

- Protect sensitive electronics from overcurrent and overvoltage events
- Meet protection requirements and equipment compliance with regulatory safety standard certifications such as UL, IEC,
- Protect against thermal runaway damage caused by component failure

"Circuit Protection Device" 2-1773463-7



Heat Shrink Tubing

- Provide dependable insulatin, mechanical protection and strain relief with aesthetic appeal
- Design for extreme high or low temperature environments
- Meet industry standards with halogen-free and flame retardant features materials

"Heat Shrink Tubing" 9-1773447-9



Tactile Switches

- Achieve system longevity with extended lifecycle design
- Prevent potential liquid or particle contamination with IP67 sealed design
- Meet design needs with broad product portfolio including a variety of sizes and configurations

"Tactile Switches" 8-1773450-9



Flexible Printed Circuit (FPC) Wire-to-Board Connectors

- Maximize mating cycles and retention with zero insertion force (ZIF) option
- Support flexible printed circuit orientation with top or bottom contact versions
- Achieve greater printed circuit retention with flip lock or stuffer actuators

"Flexible Printed Circuit" "FPC" 82221 1308516



MAG-MATE & AMPLIVAR Connectors & Cluster Blocks

- Solve magnet and aluminum wire termination challenges through a solderless method
- Reduce assembly time and gain applied cost savings
- Provide uniform termination with fully automated and integrated systems

"MAG-MATE" "AMPLIVAR" "Cluster Blocks" 82221



Search key words and document numbers on te.com

Featured Products



Economy Power (EP) Wire-to-Board Connectors

- Prevent mismating with color coded and keyed housings
- Provide enhanced secure mating with positive locking
- Support reliability with fully seated contacts and Terminal Position Assurance (TPA)

"Economy Power" "EP" 7-1773458-5 7-1773461-8



Power Triple Lock Wire- Applied Connector System

- Ensure contacts are fully seated and provide measures against contact backout with optional Terminal Position Assurance (TPA)
- Achieve connector system engagement in high vibration applications with Connector Position Assurance (CPA) option
- Support a variety of application requirements with three levels of housing materials

"Power Triple Lock" 9-1773465-1



Power & Signal Double Lock Wire-Applied Connectors

- Enhance reliability with double-lock plate ensuring full contact insertion
- Achieve a clean external surface with interior locking feature
- Support high volume manufacturing with polarization pegs and color coded housings

"Signal Double Lock" "Power Double Lock" 82181 1773458-3 1773458-5



Universal MATE-N-LOK Wire-Applied Connectors

- Achieve design flexibility and polarization with interchangeable contacts
- Improve reliability in high moisture environments with splash proof options
- Maintain ultimate safety with egg-crated, finger-proof design

"Universal MATE-N-LOK" 82181



FASTON Terminals

- Achieve higher contact spring properties with thermal stress relief process
- Improve productivity and reliability through quick connection
- Gain design flexibility and ease of maintenance with broad portfolio

"FASTON" 82004 1654400-1



PCB Relays

- Gain design flexibility with various PCB footprint and current rating options
- Support system needs with various options from a single source
- Comply with standards and design requirements

"Relav" 1308033-1

	PCB Relays													
	Low Power						High Power			General Purpose				
	OJ EJ PCHS DT PCJ RT OZT OMI						PCFT	T9A	92	EF	ОМІНО	RWH		
Compressor				•		•	•	•	•	•	•	•	•	
Motor	•	•	•		•			•		•				•
Heating Coil	•		•	•	•	•								
Defroster	•	•			•									
Power Switch	•			•		•								

Search key words and document numbers on te.com

LET'S CONNECT

TE Connectivity (TE) offers the broadest and most comprehensive component solutions for essentially any subsystem including control boards, power systems, cable assemblies, controllers, timers or sensors that supports end products or systems across many industries. This solutions guide will allow you to select the most ideal components for virtually any subsystem while providing easy access to additional online information through te.com. TE's design experience in these product portfolios support complete system performance, efficiency and applied cost savings.

Technical Support

te.com/support-center

Australia	+86 400-820-6015	Hungary	+36 1-2892040	Portugal	+34 91-6630420	
Austria	+43 1-9056-0	India	+86 400-820-6015	Russia	+74 95-790-790-2200	
Belgium	+31 73-6246999	Ireland	+1 800-882-391	Slovakia	+42 02-720-11102	
Brazil	+55 11-2103-6000	Italy	+39 011-4012111	Slovenia	+38 615-602-132	
China	+86 400-820-6015	Japan	+044-844-8052	South Africa	+97 150-457-0806	
Czech Republic	+42 02-7201-1103	Korea	+02-3415-4607	Spain	+34 932-910-330	
Denmark	+46 8-5072-5000	Latvia	+37 2-6778-673	Sweden	+46 8-5072-5000	
Estonia	+37 2677-8673	Lithuania	+37 037426900	Switzerland	+41 71-447-0447	
Finland	+46 8-5072-5000	Luxembourg	+31 73-6246999	Taiwan	+86 400-820-6015	
France	+33 1-34-20-8686	Netherlands	+31 73-6246999	Turkey	+90 212-282-6053	
Germany	+49 6151-607-1999	New Zealand	+86 400-820-6015	United Kingdom	+44 0800-267666	
Greece	+97 1-4-347-0226	Norway	+46 8-5072-5000	United States	800-522-6752	
Holland	+31 73-6246999	Poland	+48 22-4576750	of America		



te.com

 $\ensuremath{\text{@}}$ 2014 TE Connectivity Ltd. family of companies. All Rights Reserved.

1-1773709-3 CM 07/2014

AMP-IN, AMPMODU, Positive Lock, FASTON, GRACE INERTIA, AMPLIVAR AMP, FASTON, MATE-N-LOK, MTA, 2Pro, MAG-MATE, PolySwitch, PolyZen TE Connectivity and TE connectivity (logo) are trademarks.

Other logos, product and company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representa-

while It has made every reasonable error to ensure the accuracy of the information in this brochure, it does not guarantee that it is error-iree, nor does It make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this brochure are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

