

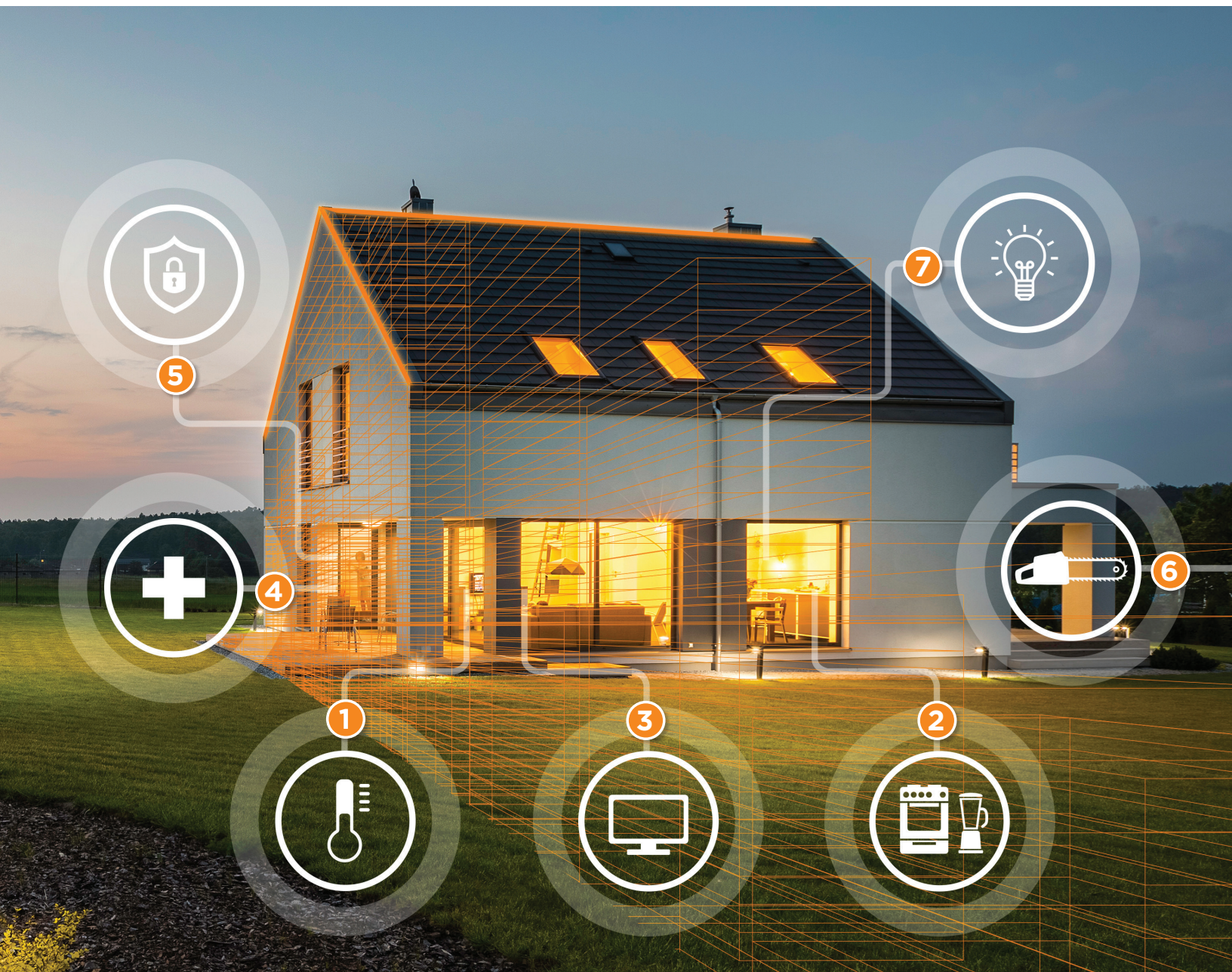


THE CONNECTED HOME

INNOVATIVE SOLUTIONS

Our Solutions Enable You to Design the Home of Tomorrow.

With our global network of engineers, TE Connectivity (TE) can help turn your vision for connected home applications into a reality. With a broad range of connectivity and sensor solutions for home appliances and devices, lighting, HVAC, security and more, TE is the ideal partner to help you bring your product to market fast.



1 Major Appliances



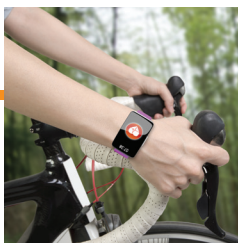
2 Small Appliances



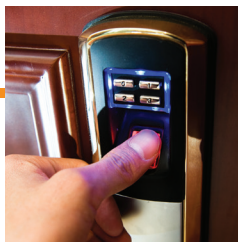
3 Connectivity & Control



4 Personal Health



5 Safety & Security



6 Outdoor & Power Tools



7 Lighting



PRODUCT LISTINGS:

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PRODUCT CATEGORY		APPLICATIONS						Max Current Rating (A)	Max Voltage Rating (V)	Operating Temperature Range (°C)	Pitch (mm)	# of Positions	PCB Mounting Style	Mated Height (mm)	Wire Gauge	Contact Interface Plating Options	Wire-to-Wire	Wire-to-Board	Board-to-Board
		Major Appliances	Small Appliances	Connectivity & Control	Personal Health	Safety & Security	Outdoor & Power Tools												
COMPRESSIVE CONTACTS		1	2	3	4	5	6	7											
Spring Fingers	Spring Fingers	*	*	*	*	*	*	4	50 V	-40 to +85	N/A	N/A	SMT	1.0-4.3	N/A	Gold			*
Board-to-Board (1 pc)	Compressive Contacts	*	*	*	*	*	*	0.5	30 VAC	-55 to +85	0.7-2.0	N/A	SMT	0.7-3.15	N/A	Tin/Gold			*
SIGNAL CONNECTORS																			
Board-to-Board Connectors (2 pc)	Free Height Connectors, 0.5mm Pitch	*	*	*	*			0.5	50 VAC	-30 to +105	0.5	220-440	SMT	1.5-6	N/A	Gold			*
	Free Height Connectors, 0.8mm Pitch	*	*	*	*			0.5	100 VAC	-40 to +45	0.8	40-200	SMT	5-20	N/A	Gold			*
	AMPMODU Connectors, 1.27mm Pitch			*	*			1	133 VAC	-65 to +105	1.27	10-100	SMT/TH	N/A	N/A	Tin/Gold		*	*
	AMPMODU Connectors, 2.0mm Pitch			*	*			2	150 VAC	-55 to +105	2.0	1-100	SMT/TH	N/A	26-30	Tin/Gold		*	*
	AMPMODU Connectors, 2.54mm Pitch			*	*			3	250 VAC	-55 to +105	2.54	1-80	SMT/TH	N/A	20-32	Tin/Gold	*	*	*
Flexible Printed Circuit (FPC)	0.5mm Fine Pitch Hermaphroditic (FPH)			*	*		*	0.5	30 V	-40 to 125	0.5	24-30	SMT	4	N/A	Gold			*
	FPC Connectors, 0.25mm Pitch	*	*	*	*	*	*	0.2	50 VAC	-25 to +85	0.25	37-51	SMT	1.3	N/A	Gold			*
	FPC Connectors, 0.30mm Pitch	*	*	*	*	*	*	0.2	50 VAC	-25 to +85	0.3	25-71	SMT	0.9-1.3	N/A	Gold			*
	FPC Connectors, 0.50mm Pitch	*	*	*	*			0.5	50 VAC	varies	0.5	4-60	SMT/TH	0.9-4	N/A	Tin/Gold			*
	FPC Connectors, 1.0mm Pitch	*	*	*	*			0.5	50 VAC	varies	1	3-30	SMT/TH	0.9-4	N/A	Tin/Gold			*
Flat Flexible Cable (FFC)	FPC Connectors, 1.25mm Pitch	*	*	*	*			0.5	50 VAC	varies	1.25	4-40	TH	0.9-4	N/A	Tin/Gold			*
	FFC Contacts, 1.27 and 2.54mm Pitch	*	*	*	*			0.5	50 VAC	varies	1.27 & 2.54	2-70	N/A	0.9-4	N/A	Tin/Gold	*	*	
Ribbon Cable	AMP-LATCH Ribbon Cable Connectors			*	*			1	50 VAC	-55 to +125	2.54	6-64	SMT/TH	varies	26-32	Tin/Gold			*
Wire-to-Board Connectors	Micro SLP Connector, 0.8mm Pitch			*	*		*	1	30 VAC	-25 to +85	0.8	2	SMT	1.4	32	Tin/Gold			*
	1.2mm Wire-to-Board Connectors			*	*		*	2	50 V	-25 to +85	1.2	2-6	SMT	1.4	28-30	Gold			*
	1.5mm Mini CT Connectors	*	*	*	*	*	*	1-3	50 VAC	-30 to +105	1.5	2-40	SMT/TH	varies	24-28	Tin/Gold	*	*	
	2.0mm CT Connectors	*	*	*	*	*	*	1-4	125 VAC	-40 to +105	2.0	2-30	SMT/TH	varies	22-30	Tin/Gold	*	*	
	High Performance Interconnect (HPI) Connectors	*	*	*	*	*	*	1-3	50-250 VAC	-40 to +105	1.00-2.50	2-40	SMT/TH	varies	22-32	Tin/Gold			*
	Economy Power (EP) 2.5mm Connectors	*	*	*	*			4	250 VAC	-55 to +105	2.5	2-40	TH	varies	20-26	Tin	*	*	
	Signal Double Lock Connectors	*	*	*	*			3	50 VAC/VDC	-30 to +105	2.5	2-13	TH	varies	20-26	Tin	*	*	
	MTA-100 CL (IDC) and CST II (crimp) Connectors	*	*	*	*			5	250 VAC	-55 to +105	2.54	2-28	SMT/TH	varies	20-26	Tin/Gold	*	*	
MEMORY																			
Micro Secure Digital (SD)	Micro Secure Digital (SD) Memory Card Connectors				*			0.5	30 VAC	-25 to +85	1.1	12	SMT/TH	1.95	N/A	Gold			*
SIM Card Connector	SIM Connectors, 1.5mm Height				*			1	30 VAC/DC	-30 to +85	2.5	8	SMT/TH	0.3-2.6	N/A	Gold			*
	3 in 2 Card Connector				*			0.3	10 V	-30 to +85	.04, 1	20	SMT	N/A	N/A	Copper Alloy			*
INPUT/OUTPUT																			
USB Connectors	Type A Receptacle	*	*	*				N/A	30 VAC	-55 to +85	multiple	4,8,9,12,16	SMT/TH	N/A	N/A	Gold			
	Type B Receptacle	*	*	*				N/A	30 VAC	-55 to +85	multiple	4	SMT/TH	N/A	N/A	Gold			
	Type C Receptacle	*	*	*	*	*	*	5	20 VAC	-30 to +85	0.5	14, 24	SMT	varies	N/A	Gold	*		
	Mini USB Connectors	*	*	*	*			1.8	N/A	-65 to +85	0.65	5	SMT	N/A	N/A	Gold		*	
	Micro USB Connectors	*	*	*	*			1.8	N/A	-65 to +85	multiple	5	SMT	varies	N/A	Gold			
	Splash Proof USB Type C Rec, Dual SMT	*	*	*	*			5	30 V	-30 to +85	.05	24	SMT	N/A	N/A	Gold/Nickel		*	
	Waterproof (IPX8) USB Type-C	*	*	*	*			5	30 V	-30 to +85	.05	24	SMT	N/A	N/A	Gold/Nickel		*	
RF Connectors	RF BNC Connectors	*	*	*	*	*	*	N/A	1500 VAC	-65 to +85	single	1	TH	varies	varies	Gold	*	*	
	RF SMA Connectors	*	*	*	*	*	*	N/A	1500 VAC	-65 to +165	single	1	TH	varies	varies	Gold	*	*	
Modular Jack	RJ45 (8 pos/8 contacts)	*	*	*	*	*	*	Signal App Only	150 VAC	-40 to +85	2.54	N/A	N/A	varies	N/A	Gold	*		
BATTERY																			
Battery Connectors	5A Low Profile Battery Connectors		*	*	*	*	*	5	30 VDC	-40 to +85	2.5	4	SMT	N/A	N/A	Gold			*
Coin Cell Holder	CR2032 Coin Cell Battery Holders	*	*	*	*	*	*	1	30-250 VAC	-55 to +105	N/A	N/A	N/A	N/A	N/A	Tin			*
TERMINAL BLOCKS																			
Eurostyle Terminal Blocks	5.0/5.08mm Pitch, 2 Piece Wire-to-Board	*	*					15	250-300 VAC	-40 to +110	5/5.08	2-24	STH	varies	varies	Tin	*	*	*
	3.5/3.81mm Pitch, 2 Piece Wire-to-Board	*	*					11	250-300 VAC	-40 to +110	3.5/3.81	2-24	STH	varies	varies	Tin	*	*	*
	5.0/5.08mm Pitch, 1 Piece PCB	*	*					15	250-300 VAC	-40 to +110	5/5.08	2-24	STH	varies	varies	Tin		*	
	2.54/3.5/3.81mm Pitch, 1 Piece PCB	*	*					10-12	150 VAC	-40 to +110	2.54/3.5/3.81	2-24	STH	varies	varies	Tin		*	
Modular Screwless Terminal Blocks	2.5/2.54/3.5/3.81mm Pitch, 1 Piece PCB	*	*	*	*	*	*	6	300 VAC	-40 to +105	2.5/2.54/3.5/3.81	2-8	TH	N/A	14-26	Tin		*	
	5.0mm Pitch, 1 Piece PCB	*	*	*	*	*	*	8	300 VAC	-40 to +105	5.0	2-8	TH	N/A	16-20	Tin		*	
Barrier Blocks	Dual-Barrier Strips 0.250"/0.325"/0.375" Pitch	*	*					10-20	150/300/600	-40 to +105	0.250"/0.325"/0.375"/0.4375"/0.37"/0.4375"	2-30	TH	N/A	varies	Tin		*	
	Tri-Barrier Strips 0.250"/0.325"/0.375" Pitch	*	*					10-30	300/600	-40 to +105	0.250"/0.325"/0.37"/0.4375"	2-30	TH	N/A	varies	Tin		*	
POWER CONNECTORS																			
RAST-Compliant Wire-to-Board	2.5mm Connectors	*	*	*	*	*	*	2/6	50V/250 VAC	-40 to +110	2.5	3-15	TH	varies	22-12	Tin/Silver	*	*	
	5mm Connectors	*	*	*	*	*	*	10/16	250 VAC	-40 to +130	5	2-8	TH	varies	24-18	Tin/Silver	*	*	
Power 2 Piece Wire-to-Wire/ Wire-to-Board	Universal MATE-N-LOK Connectors	*	*	*	*	*	*	19	600 VAC	-55 to +125	6.35	1-15	TH	varies	30-10	Tin/Gold	*	*	
	Micro MATE-N-LOK Connectors	*	*	*	*	*	*	5	250 VAC	-40 to +105	3.0	2-24	TH/SMT	varies	30-18	Tin/Gold	*	*	
	Mini Universal MATE-N-LOK Connectors	*	*	*	*	*	*	9.5	600 VAC	-55 to +105	4.14	2-15	TH	varies	30-16	Tin/Gold	*	*	
	Power Double Lock Connectors	*	*	*	*	*	*	14	50 (3.96 WTB) 300 VAC	-30 to +105	3.96, 6.2, 7.95	1-12	TH	varies	26-18	Tin	*	*	
	Economy Power (EP) II Connectors	*	*	*	*	*	*	10	600 VAC	-55 to +105	3.96	2-12	TH	varies	22-18	Tin		*	
	VAL-U-LOK Connectors	*	*	*	*	*	*	9	600 VAC	-40 to +105	4.2	2-24	TH	varies	26-16	Tin	*	*	
Terminals & Splices	POWER TRIPLE LOCK Connectors	*	*	*	*	*	*	20	600 VAC/VDC	-55 to +105/-55 to +150	6.0	2-15	TH	varies	22-12	Tin	*	*	
	FASTON Terminals	*	*	*	*	*	*	48	600 A	-40 to +250	N/A	N/A	TH	N/A	26-8	Tin/Nickel		*	
	Positive Lock Receptacles	*	*	*	*	*	*	48	600 A	-40 to +105	N/A	N/A	N/A	N/A	24-10	Tin		*	
	FASTIN FASTON Receptacles	*	*	*	*	*	*	48	600 A	-40 to +105	N/A	1-8	N/A	N/A	24-10	Tin	*	*	
	Ultra-Fast Receptacles	*	*	*	*	*	*	48	600 A	-40 to +105	N/A	N/A	N/A	N/A	26-10	Tin	*	*	
	Open Barrel Rings/Spades	*	*	*	*	*	*	N/A	N/A	-40 to +250	N/A	N/A	N/A	N/A	26-6	Tin/Nickel		*	
Magnet Wire Terminations	Flex Grip Wire Connector		*				*	16	600 VAC/VDC	Max. 85	N/A	2, 3, 5	N/A	N/A	24-14	Brass/Stainless Steel		*	
	MAG-MATE Terminals	*	*	*	*			varies	varies	-65 to +150	N/A	N/A	N/A	N/A	52-12	Tin	*	*	
	AMPLIVAR Splices	*	*	*	*			varies	varies	-65 to +150	N/A	N/A	N/A	N/A	24-6.5	Tin/Gold	*	*	
	Cluster Block Terminals	*	*	*	*			varies	varies	-65 to +150	N/A	N/A	N/A	N/A	18-12	N/A	*	*	
	Cluster Block Housing	*	*	*	*			varies	varies	-65 to +150	N/A	N/A	N/A	N/A	18-12	Tin	*	*	
	SIAMEZE Terminals	*	*	*	*			varies	varies	-65 to +150	N/A	N/A	N/A	N/A	36-12	Tin/Silver	*	*	
LIGHTING CONNECTORS																			
LED Holders	LUMAWISE Z45 LED Holder						*	3	60 VAC	-40 to +105	N/A	N/A	N/A	N/A	18-22	N/A			

Antennas

DESIGN NAVIGATOR

PRODUCT CATEGORY		APPLICATIONS							Application	Frequency Band	Connection Type	Mounting Style	Bands	Antenna Type	Packaging
		Major Appliances	Small Appliances	Connectivity & Control	Personal Health	Safety & Security	Outdoor & Power Tools	Lighting							
1234567															
Antennas	Surface Mount (SMT) Antennas	•	•	•	•	•	•	•	Bluetooth WLAN ZigBee Wi-Fi LTE ISM GSM CDMA 850 GSM 900 GSM 1800 CDMA 1900 UMTS IoT	169 700 868 800 850 900 914 1575 1800 1900 2100 2300 2400 2700 5000 2,4GHz 5GHz	SMT	SMT	Single Dual Triple Quad Penta Allband	Stamped PCB FPC Chip Enclosure	Tape & Reel
	Tab Mount (Through Hole) Antennas	•	•	•	•	•	•	•	Bluetooth WLAN ZigBee Wi-Fi LTE ISM GSM CDMA 850 GSM 900 GSM 1800 CDMA 1900 UMTS IoT	169 700 868 800 850 900 914 1575 1800 1900 2100 2300 2400 2700 5000 2,4GHz 5GHz	Tab	Tab	Single Dual Triple Quad Penta Allband	PCB	Bulk Tray
	Cabled Antennas	•	•	•	•	•	•	•	Bluetooth WLAN ZigBee Wi-Fi LTE ISM GSM CDMA 850 GSM 900 GSM 1800 CDMA 1900 UMTS IoT	169 700 868 800 850 900 914 1575 1800 1900 2100 2300 2400 2700 5000 2,4GHz 5GHz	IPEX MCIS u.fl MHF MHF4 MHF4L SMA SMA-RP	Panel Chassis Adhesive Clip	Single Dual Triple Quad Penta Allband	Stamped PCB FPC Enclosure	Bulk Tray
	External Antennas	•	•	•	•	•	•	•	Bluetooth WLAN ZigBee Wi-Fi IoT	2400 5000 2,4GHz 5GHz	IPEX MCIS u.fl MHF MHF4 MHF4L SMA SMA-RP	Chassis Panel SMA SMA-RP	Single Dual	Enclosure	Bulk
Board Level Shielding	Standard BLS	•	•	•	•	•			Bluetooth ZigBee Wi-Fi GPS	N/A	N/A	N/A	N/A	N/A	Tape & Reel

Relays

PRODUCT CATEGORY		APPLICATIONS							Contact Form	Number of Poles	Current Capability	Terminal Type	Coil Voltage	Coil Options	Size	Switching Power Rating	Endurance (cycles)
		Major Appliances	Small Appliances	Connectivity & Control	Personal Health	Safety & Security	Outdoor & Power Tools	Lighting									
1234567																	
Low Power PCB	Power PCB Relay, RT1 Inrush Power	•	•	•				•	A	1	16A	THT	5-110 VDC	Mono/Bistable 1 or 2 coils	29.1 x 12.7 x 15.7/16mm + special	4000VA	100K
	Power PCB Relay RT1 Inrush	•	•					•	A, C	1	16A	THT	5 -60 VDC	Mono/Bistable 1 or 2 coils	29 x 12.7 x 15.7mm	4000VA	Form A 50K
	RZ AgSnO Power PCB Relay	•	•					•	A, C	1	16A	THT	3-48 VDC	Monostable	29 x 12.7 x 15.7mm	4000VA	Form A 30K
	RT1 Power PCB Relay	•	•	•				•	A, C	1	12/16A	THT/THR	5-100 VDC / 24-230 VAC	Mono/Bistable 1 or 2 coils	29 x 12.7 x 15.7mm	3000/4000VA	Form A 30K
	PE Power PCB Relay	•	•	•					A, C	1	5A	THT	2,2-48 VDC	Mono/Bistable 1 coil	20 x 10 x 10	1250 VA	100K
	RYII Power PCB Relay	•	•	•					A, B, C	1	8A	THT/THR	5-60 VDC	230mW Monostable	28.5 x 10.1 x 12.3	2000 VA	Form A 100K
	PCJ Miniature PCB Relay	•	•	•					A	1	3A/5A (WG)	THT	5-24 VDC	200mW	20 x 4.7 x 15mm	750AV/1250 VA (WG)	100K
	SNR Miniature PCB Relay	•	•	•					A, C	1	6A	THT	5-48 VDC	170mW Monostable	28 x 5 x 15mm	1500 VA	Form AC 5K
	RE Power PCB Relay	•	•	•					A	1	6A	THT	5-48 VDC	200mW Monostable	20 x 10 x 10.6mm	1500 VA	100K
	RTX Power PCB Relay	•	•	•					A	1	16A	THT	5-48 VDC	Bistable 1 or 2 coils	29.1 x 12.7 x 16mm	4000 VA	30K
	SSR Relay	•	•						A, 2A, 4A	1, 2, 4	125A Max.	Screw/THT/Socket	N/A	N/A	varies	125A/660 VAC Max.	1,000K
	OJ Miniature PCB Relay	•	•	•					A	1	3, 5, 8, 10A	THT	3-48 VDC	450mW, 200mW Mono	18.2 x 10.2 x 14.7mm	720-2500 VA/ 90-240 W	100K
	OJE Miniature PCB Relay	•	•	•					A	1	3, 5, 8, 10A	THT	3-48 VDC	450mW, 200mW Mono	18.2 x 10.2 x 14.7mm	720-2500 VA/ 90-240 W	100K
	OMIH 16 Amp Mini PCB Relay	•	•	•					A, C	1	10A/16A	THT	5-48 VDC	540mW (sensitive), 720mW	29.2 x 12.8 x 20.6mm	2500 VA/300W 4000VA/480W	100K
	RF-FASTON Power PCB Relay	•	•	•					A, B	1	16A	THT/QC²	5-60 VDC	400mW	40.5 x 12.7 x 16mm	4000 VA	100-250K (load dependant)
High Power PCB	Power Latching Relay EW80	•	•						A	1	80A	THT/LUG	5-24 VDC	Bistable, 1W	36.8 x 17.2 x 30.4mm	20000 VA	25K
	Miniature Relay PCF	•	•	•					A	1	25A	THT/QC² (#250)	6-24 VDC	900mW, 1W	30.4 x 16 x 26.5mm	6370 VA	100K
	T9A 30A Power PCB Relay	•	•					•	A, B, C	1	30A	THT/QC²	5-110 VDC	900mW, 1W	32.5 x 27.4 x 20.4mm (THT)	7500 VA	100K
Signal Relay	P2 Relay	•	•	•					C	2	2A	THT, SMT	2.4-24 VDC	70-200mW	14.5 x 7.2 x 10.4mm, stand, 14.5 x 7.2 x 9.9mm, overm.	60W/62.5 VA	Mechanical 10⁸ operations
	IM Relay	•	•	•					C	2	2/5A	THT, SMT	1.5-24 VDC	50-200mW	10 x 6 x 5.65mm	60W/62.5 VA	Mechanical 10⁸ operations

Switches

DESIGN NAVIGATOR

PRODUCT CATEGORY		APPLICATIONS							Number of Positions	Terminal Style	Actuation Force (gf)	Voltage (DC)	Actuator Length	Current Rating (A)	Packaging	Size	Sealed
		Major Appliances	Small Appliances	Connectivity & Control	Personal Health	Safety & Security	Outdoor & Power Tools	Lighting									
1234567																	
Tactile Switch	FSM/FSMMST Series Switch	•	•	•			•	•	1	THT SMT	100 160 260	24	3.4-18.6mm	0.05	Tube Tape & Reel	6x6mm	Yes No
DIP Switch	GDH Series Switch	•	•	•					2-10	SMT	600	50	Flush	0.1	Tube Tape & Reel	2.54mm spacing	Yes
	ADE Series Switch	•	•	•					2-12	THT SMT	800	24	1mm	1	Tube Tape & Reel	2.54mm spacing	Yes
	DIP Shunt	•	•			•		•	2-12	THT SMT	N/A	24	Flush	1	Tube Tape & Reel	2.54mm spacing	No
Slide Switch	S/SE Series Slide Switch	•	•	•					2-3	THT	70-500	48	2.8mm	0.05	Tray	9.5mm	Yes
	MLL Series Slide Switch	•	•						2-3	SMT	175	20	1.5mm	0.3	Tube Tape & Reel	9.7mm	No

Passives

PRODUCT CATEGORY		APPLICATIONS							Size	Inductance Impedance Resistance	Tolerance	Current Rating DCR TCR	Packaging	Power Rating
		Major Appliances	Small Appliances	Connectivity & Control	Personal Health	Safety & Security	Outdoor & Power Tools	Lighting						
1234567														
High Frequency Inductor	Thin Film-3640 Inductor	•	•	•		•		0201 - 0402	INDUCTANCE 0.1nH - 33nH	0.1 - 0.3nH/1 - 5%	CURRENT RATING 75mA - 800mA	Tape & Reel	--	
	Wirewound-3650 Inductor	•	•	•		•		0402 - 1008	1.0nH - 15,000nH	0.2nH - 0.5nH/2% - 10%	100mA - 2300mA	Tape & Reel	--	
	Multilayer-3671 Inductor	•	•	•		•		0201 - 0805	1.0nH - 470nH	0.3nH, 5%, 10%	50mA - 1000mA	Tape & Reel	--	
Ferrite Chip Beads	Multilayer Ferrite Beads-Type BMB Series	•	•	•		•		0402 - 1206	IMPEDENCE 10ff - 2700ff	25%	DCR 0.01 - 1.50	Tape & Reel	--	
Power Chip Resistor	Thick Film Resistor-3520 Series	•	•	•		•		2512	RESISTANCE 1R0 - 1M0	5%	TCR 350PPM, 200PPM	Tape & Reel	1W	
	Thick Film Resistor-3521 Series	•	•	•		•		2512	1R0 - 1M0	1%	100PPM, 200PPM	Tape & Reel	2W	
	Thick Film Resistor-3522 Series	•	•	•		•		2512	10R - 10M	1% 5%	100PPM, 200PPM	Tape & Reel	3W	

Sensors

PRODUCT CATEGORY		APPLICATIONS							Accuracy	Range	Operating Temperature Range	Stability	Time Response	SMD	Pressure Type	Output Type								
		Major Appliances	Small Appliances	Connectivity & Control	Personal Health	Safety & Security	Outdoor & Power Tools	Lighting																
1234567																								
TEMPERATURE																								
NTC Thermistor	NTC Thermistor Sensors	•	•	•	•	•	•		±1.0°C	-40 to +250°C	-40 to +250°C	N/A	1 to 10 Sec	•	N/A	R								
RTD Temperature Sensor	Platinum Temperature Sensors	•	•	•	•	•	•		±0.2°C	-40 to +800°C	-40 to +800°C	N/A	1 to 10 Sec	•	N/A	R								
Thermocouple	Thermocouple Sensors	•	•	•		•			±2.0°C	-40 to +1800°C	-40 to +1800°C	N/A	1 to 10 Sec		N/A	V								
Non-contact Thermopile	Thermopile Sensors and IR Temperature Sensors	•	•	•	•	•		•	±3.0°C	-40 to +2000°C	-40 to +2000°C	N/A	5 mSec		N/A	V								
Digital Temperature Sensor	Digital Temperature Sensors	•	•	•	•	•		•	±1.0°C	-40 to +125°C	-40 to +125°C	N/A	1 to 10 Sec	•	N/A	D								
HUMIDITY																								
Humidity Component Module	HS1101LF Sensors	•	•	•	•	•			±3%	0 to 100%	-60 to +140°C	±0.5% RH/yr	10 Sec	•	N/A	C								
Digital Humidity Sensor	HTU21x Series Sensors	•	•	•	•	•		•	±3%	0 to 100%	-40 to +125°C	±0.5% RH/yr	10 Sec	•	N/A	D								
PRESSURE																								
Board Level Pressure	MS45x5, MS5525DSO, MS5637, MS5611, MS5803	•	•	•	•		•		±2%	0.07 to 300psi	-40 to +125°C	±1% FS/yr	1 mSec	•	G, A, D, C, V	R, A, D								
Transducer Transmitter	M5200, U5300, US300, MSP300	•	•				•		±1%	50 to 30,000psi	-40 to +125°C	±1% FS/yr	1 mSec		G, D	R, A, D								
Pressure Capsule	Model 82, 85, 86, 89, 154		•	•			•		±1%	1 to 300psi	-40 to +125°C	±1% FS/yr	1 mSec		G, A, S, V	M, R, V, D								
POSITION																								
Magneto Resistive Sensor	MS32, KMT32,KMA36 Linear and Rotary Sensors	•		•	•	•			±0.3°C	0 to +360°	-40 to +150°C	N/A	1 mSec	•	N/A	M, V, D								
Liquid Level Sensor	LS Series Sensors				•	•	•		±3%	Binary On/Off	-30 to +130°C	N/A	Instant		N/A	S								
Proximity Switch	PS1, PS2, PS4, PS5 Series Sensors	•				•			±2%	Binary On/Off	-30 to +130°C	N/A	Instant		N/A	S								
VIBRATION																								
Piezoelectric Film	Piezo Sensors	•			•	•			±1%	0 to 40 Hz	-40 to +60°C		100 mSec		N/A	V								
COMBINATION																								
Pressure Temperature Humidity	MS8607 Sensors	•	•	•	•	•			±1%	10 to 2000mBar 0 to 100% RH	-40 to +85°C	N/A	1 Sec	•	A	D								
Motion Light Temperature Humidity	AmbiMate Sensor Module MS4		•	•		•		•	±2%	5 to +50°C 5 to 95% RH	-40 to +85°C		1 Sec											
FORCE																								
Load Cell	FX1901, FS20, FC22, FC23 Sensors	•	•			•	•		±2%	2.0 to 2000lbf	-40 to +85°C	±1% FS/yr	1 mSec		N/A	M, A, D								
FLOW																								
Reed Switch and Magnet	FS, FCS Series Sensors		•			•			±3%	Binary On/Off	-30 to +130°C	N/A	Instant		N/A	S								
Pressure Type Key: G=Gage, A=Absolute, D=Differential, C=Compound, V=Vacuum, S=Sealed Gage Output Type Key: R=Resistance, V=Voltage. D=Digital, C=Capacitance, A=4-20mA, S=Switch, M=Millivolt																								

Pressure Type Key: G=Gage, A=Absolute, D=Differential, C=Compound, V=Vacuum, S=Sealed Gage
Output Type Key: R=Resistance, V=Voltage, D=Digital, C=Capacitance, A=4-20mA, S=Switch, M=Millivolt

Featured Products

TE provides the broadest range of connectivity products available, suitable for a wide variety of applications and end products. From material components such as relays and connectors, to smart connectors such as sensors and connectivity components such as antennas, TE offers all of the internal elements that make end products smart and connected. We are uniquely positioned to help customers succeed in the connected home market.

MAJOR APPLIANCES



SMALL APPLIANCES



CONNECTIVITY & CONTROL



PERSONAL HEALTH



SAFETY & SECURITY



OUTDOOR & POWER TOOLS



LIGHTING



Featured Products

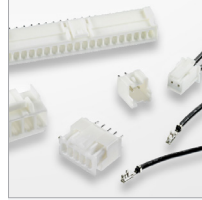
1.5mm Mini CT Connectors



- Save space with miniaturized discrete wire interconnect
- Offer design flexibility with IDC and crimp termination methods

1 2 3 4 5 6 7

Economy Power (EP) 2.5mm Connectors



- Achieve easy mating and unmating with positive audible latch
- Prevent post misalignment with polarization tabs

1 2 3 4 5 6 7

Eurostyle Terminal Blocks



- Promote numerous reliable connections and disconnections at field installations
- Enable more designs with 90 and 180 degree of orientation products

2 3

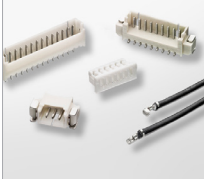
Free Height Connectors, 0.5mm Pitch



- Provides variable spacing between parallel PCBs from 4mm to 8mm
- Offers 220, 240, and 440 position configurations in a small footprint to save PC board real estate

1 2 3 4

High Performance Interconnect (HPI) Connectors



- Achieve low signal/power connections in a 1.0mm to 2.5mm centerline footprint
- Prevent contact stubbing with polarized housings

1 2 3 4 5 6 7

Modular Screwless Terminal Blocks, 2.5/2.54/3.5/3.81mm Pitch, 1 Pc. PCB



- Suitable for both solid and stranded wires
- Offers a fast method to complete wire connections

1 2 3 4 5 6

Modular Screwless Terminal Blocks, 5.0mm Pitch, 1 Pc. PCB



- Suitable for both solid and stranded wires
- Offers a fast method to complete wire connections

1 2 3 4 5 6

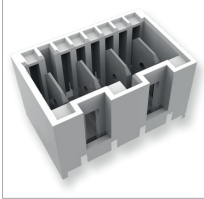
POWER TRIPLE LOCK Connectors



- Protect against contact backout with optional Terminal Position Assurance
- Achieve connector system engagement in high vibration applications with Connector Position Assurance

1 2 3 4 5 6 7

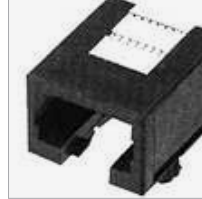
RAST 5 PCB Connectors



- Reduce termination time with insulation displacement option
- Achieve high vibration performance and reliability with polarized latching receptacle

1 2 3 4 5 6 7

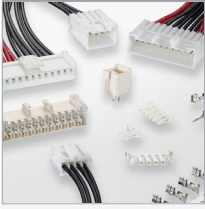
RJ45 Connectors



- Reduce electrical noise and gain up to Cat5e performance
- Suitable for a broad range of applications with diverse product configurations

1 2 3 4 5 6 7

Signal Double Lock Connectors



- Provide a compact signal double lock connector with secondary locking in wire-to-wire and wire-to-board configurations

1 2 3 4

Spring Fingers



- Designed for soldering and pick-and-place equipment
- Allows for quick design changes in a small, common footprint

1 2 3 4 5 6

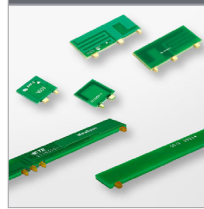
Surface Mount (SMT) Antennas



- Offer several advantages: low-cost tooling investment, flexibility for pattern changes during production, and shortest lead time for tool build

1 2 3 4 5 6 7

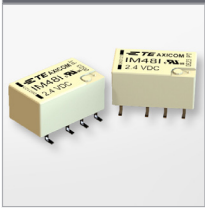
Tab Mount (Through Hole) Antennas



- Accommodate Wi-Fi, Bluetooth, ZigBee and other frequency bands with broad product offering
- Achieve rapid support with a range of readily available standard antennas

1 2 3 4 5 6 7

IM Relays



- Offers a low profile package with through hole or surface mount terminals
- Ideal for applications with space constraints

1 2 3

P2 Relays



- Realize standard telecom relay (ringing and test access) applications
- Offers a compact and immersion cleanable relay solution

1 2 3

T9A 30A Power PCB Relay



- Meet a broad range of power switching requirements
- Designed for harsh environments and long life cycles

1 2 7

FSM/FSMMST Series Tactile Switches



- Achieve any design with choice of actuator lengths and styles
- Support mass fabrication with several mounting options

1 2 3 6 7

GDH Series DIP Switch



- Realize compact applications
- Save space on your PCB with gold plated J-banded terminals and a 1.27mm pitch

1 2 3

S/SE Series Slide Switches



- Realize any compact application with small form factor design
- Design for normal or harsh environment with sealed or unsealed version

1 2 3

Featured Products

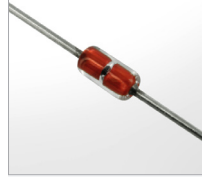
HTU21x Series Sensors



- Provide calibrated, linearized signals in digital, I²C format
- Satisfy low profile requirements with DFN (Dual Flat No leads) 3x3x0.9mm³ footprint

1 2 3 4 5 7

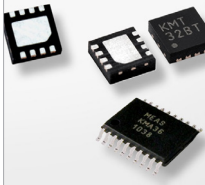
Leadless Chip, 44000 Series, DO-35 Packaged Probe Sensors



- Enable design flexibility with encapsulated (with leads), leadless chip, SMD and space qualified (HI REL) NTC (negative temperature coefficient) thermistors

1 2 3 4 5 6

MS32, KMT32, KMA36 Linear and Rotary Sensors



- Offer robust non-contact measurement of changes in the magnetic field
- Enable the creation of sensors that can detect disturbances

1 3 4 5

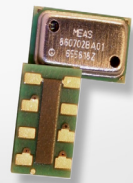
M5200, U5300, US300, MSP300 Sensors



- Withstand the corrosive properties of many liquids and gases, as well as harsh external environments, with seven standard materials

1 2 6

MS8607 Sensors



- Enhance design capability with digital 24-bit pressure and temperature and 16-bit digital relative humidity combination
- Satisfy low profile requirements with QFN (quad-flat-no-leads) 5x3x1mm³ package size

2 3 5 7

MS45x5, MS5525DSO, MS5637, MS5611, MS5803 Sensors



- Enable design flexibility with gage, absolute, differential, and compound (ranging from 0-2 to 30 inches H₂O and 0-1 to 500psi) versions

1 2 3 4 6

NOTES

TE TECHNICAL SUPPORT CENTER

USA: +1 (800) 522-6752

Canada: +1 (905) 475-6222

Mexico: +52 (0) 55-1106-0800

Latin/S. America +54 (0) 11-4733-2200

Germany: +49 (0) 6251-133-1999

UK: +44 (0) 800-267666

France: +33 (0) 1-3420-8686

Netherlands: +31 (0) 73-6246-999

China: +86 (0) 400-820-6015

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