



# 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

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# 2 Small Appliances

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# 3 Connectivity & Control

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# 4 Personal Health

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# 5 Safety & Security

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# 6 Outdoor & Power Tools

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# 7 Lighting

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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
		1	2	3	4	5	6	7												
<b>COMPRESSIVE CONTACTS</b>																				
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			*
<b>SIGNAL CONNECTORS</b>																				
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		*	
Flexible Printed Circuit (FPC)	AMPMODU Connectors, 2.54mm Pitch	*	*	*	*	*	*	*	3	250 VAC	-55 to +105	2.54	1-80	SMT/TH	N/A	20-32	Tin/Gold	*	*	
	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	*	*		
<b>MEMORY</b>																				
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		*	
<b>INPUT/OUTPUT</b>																				
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	N/A	N/A	Gold		*	
	Splash Proof USB Type C Rec, Dual SMT	*	*	*	*	*	*	*	5	30 V	-30 to +85	.05	24	SMT	varies	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	*	*	
<b>BATTERY</b>																				
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		*	
<b>TERMINAL BLOCKS</b>																				
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		*	
	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		*	
Barrier Blocks	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		*	
<b>POWER CONNECTORS</b>																				
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	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		*	
	Flex Grip Wire Connector	*	*	*	*	*	*	*	16	600 VAC/VDC	Max. 85	N/A	N/A	2, 3, 5	N/A	N/A	24-14	Brass/Stainless Steel		*
Magnet Wire Terminations	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	*	*	
<b>LIGHTING CONNECTORS</b>																				
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							
		1	2	3	4	5	6	7							
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									
		1	2	3	4	5	6	7									
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/QC <sup>2</sup>	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/QC <sup>2</sup> (#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/QC <sup>2</sup>	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 10 <sup>8</sup> 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 10 <sup>8</sup> operations	

# Switches

PRODUCT CATEGORY		APPLICATIONS							Number of Positions	Terminal Style	Actuation Force (gf)	Voltage (DC)	Actuator Length	Current Rating (A)	Packaging	Size	Sealed	
		1	2	3	4	5	6	7										
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
	GDH Series Switch	•	•	•						2-10	SMT	600	50	Flush	0.1	Tube   Tape & Reel	2.54mm spacing	Yes
DIP Switch	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	
		1	2	3	4	5	6	7							
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

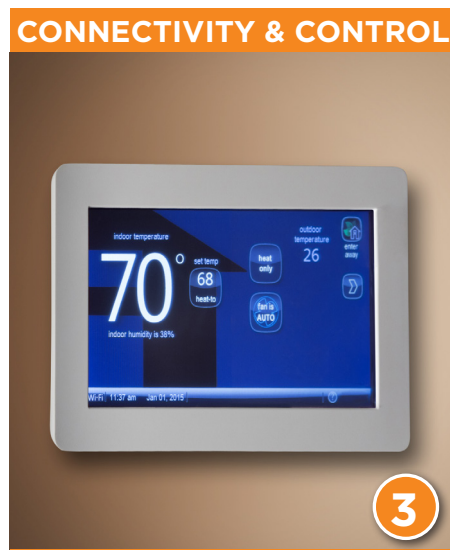
# Sensors

PRODUCT CATEGORY		APPLICATIONS							Accuracy	Range	Operating Temperature Range	Stability	Time Response	SMD	Pressure Type	Output Type
		1	2	3	4	5	6	7								
<b>TEMPERATURE</b>																
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
<b>HUMIDITY</b>																
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
<b>PRESSURE</b>																
Board Level Pressure	MS45x5, MS5525DS0, 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
<b>POSITION</b>																
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
<b>VIBRATION</b>																
Piezoelectric Film	Piezo Sensors	•	•	•	•	•	•	•	±1%	0 to 40 Hz	-40 to +60°C	N/A	100 mSec	•	N/A	V
<b>COMBINATION</b>																
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	N/A	1 Sec	•		
<b>FORCE</b>																
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
<b>FLOW</b>																
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

## 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.



# Featured Products

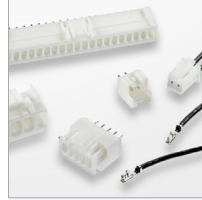
## 1.5mm Mini CT Connectors



- 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

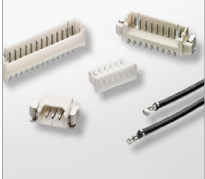
## Free Height Connectors, 0.5mm Pitch



- 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

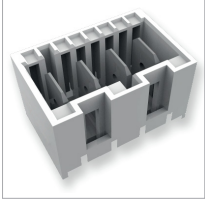
## POWER TRIPLE LOCK Connectors



- 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

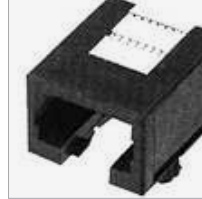
## RAST 5 PCB Connectors



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

1 2 3 4 5 6 7

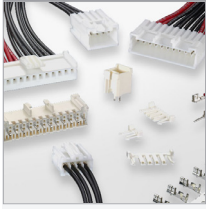
## RJ45 Connectors



- 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

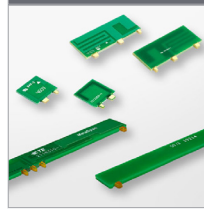
## Surface Mount (SMT) Antennas



- 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

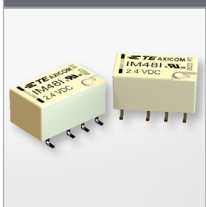
## Tab Mount (Through Hole) Antennas



- 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

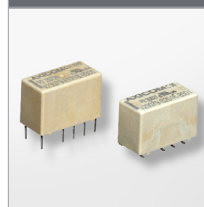
## IM Relays



- 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

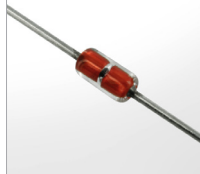
## HTU21x Series Sensors



- Provide calibrated, linearized signals in digital, I<sup>2</sup>C format
- Satisfy low profile requirements with DFN (Dual Flat No leads) 3x3x0.9mm<sup>3</sup> footprint

1 2 3 4 5 7

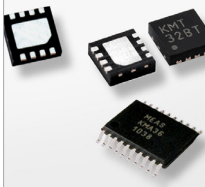
## Leadless Chip, 44000 Series, DO-35 Packaged Probe Sensors



- 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

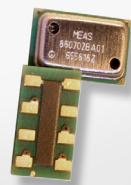
## M5200, U5300, US300, MSP300 Sensors



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

1 2 6

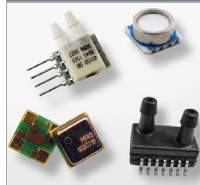
## MS8607 Sensors



- 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) 5x3x1mm<sup>3</sup> 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 H<sub>2</sub>O and 0-1 to 500psi) versions

1 2 3 4 6



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