



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 products to market fast.



1 ENVIRONMENT SENSING



2 EQUIPMENT



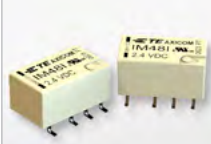
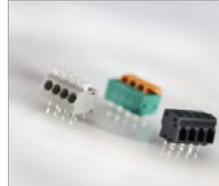
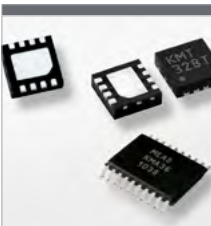
3 ACTUATORS



4 CONTROLS



FEATURED PRODUCTS

 1.5mm Mini CT Connectors 2 3 4 Product Details Quick Reference Guide	 Economy Power (EP) 2.5mm Connectors 1 2 3 4 Product Details Quick Reference Guide	 IM Relays 2 4 Product Details Datasheet Definitions	 P2 Relays 2 4 Product Details Definitions
 Eurostyle Terminal Blocks 2 3 4 Product Details	 Free Height Connectors, 0.5mm Pitch 2 4 Product Details Catalog Product Specification	 T9A 30A Power PCB Relay 2 3 Product Details Data Sheet	 FSM / FSMMST Series Tactile Switches 1 2 3 4 Product Details Catalog
 High Performance Interconnect (HPI) Connectors 1 2 3 4 Product Details Quick Reference Guide	 Modular Screwless Terminal Blocks, 2.5/2.54/3.5/3.81mm Pitch, 1 Pc. PCB 1 2 3 4 Product Details Catalog Quick Reference Guide	 GDH Series DIP Switch 1 2 3 4 Product Details Catalog	 S/SE Series Slide Switches 2 3 4 Product Details Catalog
 Modular Screwless Terminal Blocks, 5.0mm Pitch, 1 Pc. PCB 1 2 3 4 Product Details Catalog Quick Reference Guide	 Power Triple Lock Connectors 2 3 4 Product Details Video Quick Reference Guide	 HTU21x Series Sensors 1 2 4 Product Details	 Leadless Chip, 44000 Series, DO-35 Packaged Probe Sensors 1 2 4 Product Details
 RAST 5 PCB Connectors 1 2 3 4 Product Details Flyer Catalog	 RJ45 Connectors 1 2 4 Product Details Catalog	 M-100 Minisense Vibration Sensors 1 3 Product Details	 M5200, U5300, US300, MSP300 Sensors 1 2 Product Details
 Signal Double Lock Connectors 1 2 3 4 Product Details Quick Reference Guide	 Spring Fingers 1 2 3 4 Product Details Quick Reference Guide White Paper	 MS32, KMT32, KMA36 Linear and Rotary Sensors 1 3 4 Product Details	 MS45x5, MS5525DSO, MS5637, MS5611, MS5803 Sensors 1 2 4 Product Details
 Surface Mount (SMT) Antennas 1 2 3 4 Product Details Quick Reference Guide Catalog	 Tab Mount (Through Hole) Antennas 1 2 3 4 Product Details Data Sheet Catalog	 MS8607 Sensors 1 2 4 Product Details	 TSYS01, TSYS02 Sensors 1 2 4 Product Details

INTERCONNECT

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
		Env. Sensing	Equipment	Actuators	Controls												
COMPRESSIVE CONTACTS		1	2	3	4												
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)	Compressiv 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 +105	0.8	40 - 200	SMT	5 - 20	N/A	Gold			•
	AMPMODU Connectors, 1.27mm Pitch				•	1	133 V	-65 to +105	1.27	10 - 100	SMT / TH	N/A	N/A	Tin / Gold			•
	AMPMODU Connectors, 2.0mm Pitch				•	2	150 V	-55 to +105	2.0	1 - 100	SMT / TH	N/A	26 - 30	Tin / Gold		•	•
	AMPMODU Connectors, 2.54mm Pitch				•	3	250 V	-55 to +105	2.54	1 - 80	SMT / TH	N/A	20 - 32 AWG	Tin / Gold	•	•	•
Flexible Printed Circuit (FPC)	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		•	
	FPC Connectors, 1.25mm Pitch		•	•	•	0.5	50 VAC	varies	1.25	4 - 40	TH	0.9 - 4	N/A	Tin / Gold		•	
Flat Flexible Cable (FFC)	FPC 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 Connectors	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											

ANTENNAS

PRODUCT CATEGORY		APPLICATIONS				Application	Frequency Band	Connection Type	Mounting Style	Bands	Antenna Type	Packaging
		Env. Sensing	Equipment	Actuators	Controls							
		1	2	3	4							
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

RELAYS

PRODUCT CATEGORY		APPLICATIONS				Contact Form	Number of Poles	Current Capability	Terminal Type	Coil Voltage	Coil Options	Size	Switching Power Rating	Endurance (cycles)
		Env. Sensing	Equipment	Actuators	Controls									
		1	2	3	4									
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 (DC&AC)	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	2000mW Monostable	20 x 10 x 10.6mm	1500 VA	100K
	RTX Power PCB Relay	•	•	•	•	A	1	16A	THT	5 -				

SWITCHES

PRODUCT CATEGORY		APPLICATIONS				Number of Positions	Terminal Style	Actuation Force (gf)	Voltage (DC)	Actuator Length	Current Rating (A)	Packaging	Size	Sealed
		Env. Sensing	Equipment	Actuators	Controls									
		1	2	3	4									
Tactile Switch		FSM / FSMMST Series Tactile Switch				1	THT SMT	100 160 260	24	3.4 - 18.6mm	0.05	Tube Tape & Reel	6x6mm	Yes No
DIP Switch	GDH Series DIP Switch					2 - 10	SMT	600	50	Flush	0.1	Tube Tape & Reel	2.54mm spacing	Yes
	ADE Series DIP 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 Impedence Resistance	Tolerance	Current Rating DCR TCR	Packaging	Power Rating
		Env. Sensing	Equipment	Actuators	Controls						
		1	2	3	4						
High Frequency Indicator	Thin Film - 3640 Inductor					0201 - 0402	INDUCTANCE	0.1-0.3nH / 1 - 5%	CURRENT RATING	Tape & Reel	--
	Wirewound - 3650 Inductor					0402 - 1008	0.1nH - 33nH		75mA - 800mA		
	Multilayer - 3671 Inductor					0201 - 0805	1.0nH - 15,000nH	0.2nH - 0.5nH / 2% - 10%	100mA - 2300mA	Tape & Reel	--
Ferrite Chip Beads	Multilayer Ferrite Beads - Type BMB Series					0402 - 1206	1.0nH - 470nH	0.3nH, 5%, 10%	50mA - 1000mA	Tape & Reel	--
							IMPEDENCE	25%	DCR	Tape & Reel	--
							10Ω - 2700Ω		0.01 - 1.50		
Power Chip Resistor	Thick Film Resistor - 3520 Series					2512	RESISTANCE	5%	TCR	Tape & Reel	1W
	Thick Film Resistor - 3521 Series					2512	1R0 - 1M0		350PPM, 200PPM		
	Thick Film Resistor - 3522 Series					2512	1R0 - 1M0	1%	100PPM, 200PPM	Tape & Reel	2W
							10R - 10M	1% 5%	100PPM, 200PPM	Tape & Reel	3W

SENSORS

te.com

AXICOM, Potter & Brumfield, MEAS, ALCO, Power Triple Lock, AMP, AMP-LATCH, AMPMODU, MATE-N-LOK, VAL-N-LOK, FASTIN-FASTON, FASTON, MAG-MATE, AMPLIVAR, SIAMEZE, TE Connectivity, TE Connectivity (logo) and Every Connection Counts are trademarks. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

© 2016 TE Connectivity Ltd. family of companies All Rights Reserved.

02/16 Original

