



## Quick Reference Guide Gemini Series Switches

The TE Connectivity extensive Gemini A and Gemini AE Series offer one and two poles with multi-circuit configurations, including: momentary function, locking toggle to avoid unwanted switching as well as bat and flat toggles in different lengths. The Gemini AE Series meets IP67 requirements. Terminals are epoxy sealed to prevent the entry of flux, solvent and other contaminants. Gemini A & Gemini AE Switches are available with solder lug, PC, wire wrap, vertical, bracketed and angle-mount PC terminal choices.

The Gemini series offers engineers many different combinations of toggle or rocker switches for their applications.

### FEATURES

#### Toggles

- Gold, gold over silver or silver contacts
- Epoxy sealed terminals
- Stainless steel frame with brass tin plated solder support
- Hardware included
- Boot seals available
- AE meets IP67 requirements

#### Rockers

- Multiple actuator colors available
- G and Q contacts UL recognition
- AE meets IP67 requirements

### APPLICATIONS

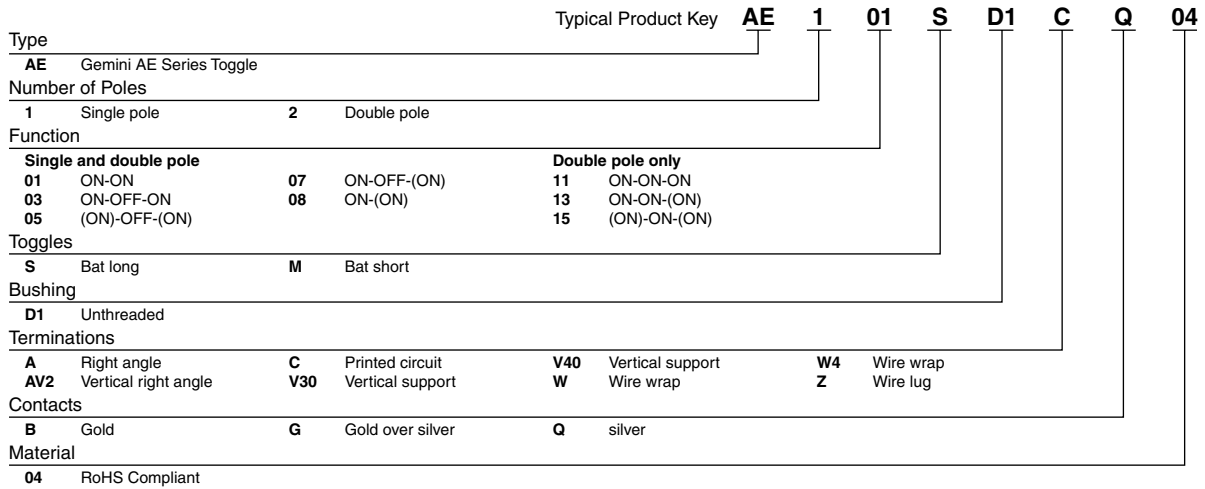
These devices are well suited for designs requiring human interface via toggle or rocker-style switch, including:

- Industrial equipment
- Audio-visual equipment
- Outdoor concert and lighting equipment
- Medical
- Instrumentation
- Communication equipment



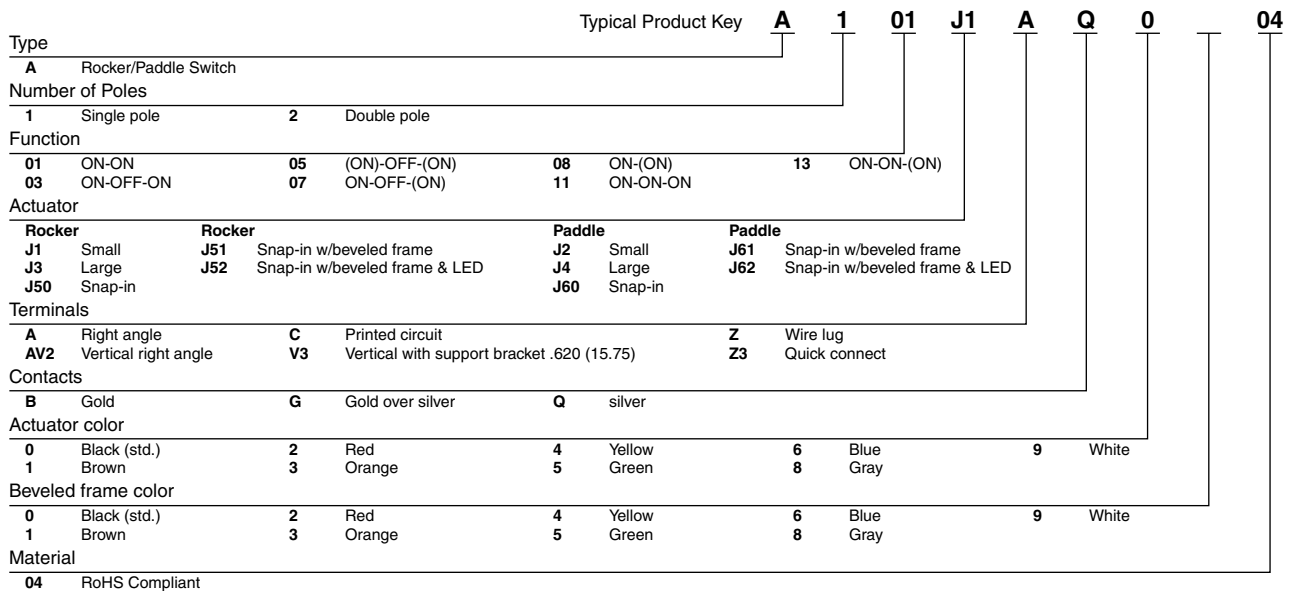
GEMINI A SERIES TOGGLES								
Product Key	Poles	Function	Toggles	Bushing	Terminations	Contacts	Material	Part Number
A101KZQ04	1	ON-ON	Locking	Unthreaded .28 (7.1)	Wire Lug	Silver	RoHS Compliant	1825136-7
A101MD9AB04	1	ON-ON	Bat Short	Unthreaded .28 (7.1)	Right Angle	Gold	RoHS Compliant	1-1825136-2
A101MD9AQ04	1	ON-ON	Bat Short	Unthreaded .28 (7.1)	Right Angle	Silver	RoHS Compliant	1-1825136-4
A101MD9AV2B04	1	ON-ON	Bat Short	Unthreaded .28 (7.1)	Vertical Right Angle	Gold	RoHS Compliant	1-1825136-5
A101MDZQ04	1	ON-ON	Bat Short	1/4-40 Threaded .28 (7.1)	Wire Lug	Silver	RoHS Compliant	2-1825136-2
A101MYZQ04	1	ON-ON	Bat Short	1/4-40 Threaded .35 (8.9)	Wire Lug	Silver	RoHS Compliant	2-1825136-4
A101SCWZQ04	1	ON-ON	Bat Long	1/4-40 threaded .37 (9.4)	Wire Lug	Silver	RoHS Compliant	3-1825136-1
A101SD9AB04	1	ON-ON	Bat Long	Unthreaded .28 (7.1)	Right Angle	Gold	RoHS Compliant	3-1825136-2
A101SD9V30B04	1	ON-ON	Bat Long	Unthreaded .28 (7.1)	Vertical Support	Gold	RoHS Compliant	3-1825136-6
A101SHZQ04	1	ON-ON	Bat Long	1/4-40 threaded .3 (7.6)	Wire Lug	Silver	RoHS Compliant	4-1825136-0
A101SYCB04	1	ON-ON	Bat Long	1/4-40 Threaded .35 (8.9)	Printed Circuit	Gold	RoHS Compliant	4-1825136-4
A101SYCQ04	1	ON-ON	Bat Long	1/4-40 Threaded .35 (8.9)	Printed Circuit	Silver	RoHS Compliant	4-1825136-5
A101SYZB04	1	ON-ON	Bat Long	1/4-40 Threaded .35 (8.9)	Wire Lug	Gold	RoHS Compliant	4-1825136-8
A101SYZQ04	1	ON-ON	Bat Long	1/4-40 Threaded .35 (8.9)	Wire Lug	Silver	RoHS Compliant	4-1825136-9
A101TCQ04	1	ON-ON	Lg. Tgl. & Bushing	Unthreaded .28 (7.1)	Printed Circuit	Silver	RoHS Compliant	5-1825136-4
A101TZQ04	1	ON-ON	Lg. Tgl. & Bushing	Unthreaded .28 (7.1)	Wire Lug	Silver	RoHS Compliant	5-1825136-5
A103KZQ04	1	ON-OFF-ON	Locking	Unthreaded .28 (7.1)	Wire Lug	Silver	RoHS Compliant	1825137-1
A103MD9AV2B04	1	ON-OFF-ON	Bat Short	Unthreaded .28 (7.1)	Vertical Right Angle	Gold	RoHS Compliant	1825137-5
A103SYCQ04	1	ON-OFF-ON	Bat Long	1/4-40 Threaded .35 (8.9)	Printed Circuit	Silver	RoHS Compliant	1-1825137-6
A103SYWB04	1	ON-OFF-ON	Bat Long	1/4-40 Threaded .35 (8.9)	Wire Wrap	Gold	RoHS Compliant	1-1825137-7
A103SYWQ04	1	ON-OFF-ON	Bat Long	1/4-40 Threaded .35 (8.9)	Right Angle	Silver	RoHS Compliant	1-1825137-8
A103SYZB04	1	ON-OFF-ON	Bat Long	1/4-40 Threaded .35 (8.9)	Wire Lug	Gold	RoHS Compliant	1-1825137-9
A105MD9AB04	1	(ON)-OFF-(ON)	Bat Short	Unthreaded .28 (7.1)	Right Angle	Gold	RoHS Compliant	2-1825137-4
A105SYCQ04	1	(ON)-OFF-(ON)	Bat Long	1/4-40 Threaded .35 (8.9)	Printed Circuit	Silver	RoHS Compliant	3-1825137-7
A105SYZQ04	1	(ON)-OFF-(ON)	Bat Long	1/4-40 Threaded .35 (8.9)	Wire Lug	Silver	RoHS Compliant	3-1825137-9
A105TZQ04	1	(ON)-OFF-(ON)	Lg. Tgl. & Bushing	Unthreaded .28 (7.1)	Wire Lug	Silver	RoHS Compliant	4-1825137-2
A107SYCQ04	1	ON-OFF-(ON)	Bat Long	1/4-40 Threaded .35 (8.9)	Printed Circuit	Silver	RoHS Compliant	5-1825137-1
A107SYZQ04	1	ON-OFF-(ON)	Bat Long	1/4-40 Threaded .35 (8.9)	Wire Lug	Silver	RoHS Compliant	5-1825137-2
A108SYZQ04	1	ON-(ON)	Bat Long	1/4-40 Threaded .35 (8.9)	Wire Lug	Silver	RoHS Compliant	6-1825136-4
A201KAB04	2	ON-ON	Locking	Unthreaded .28 (7.1)	Right Angle	Gold	RoHS Compliant	1825138-1
A201KZQ04	2	ON-ON	Locking	Unthreaded .28 (7.1)	Wire Lug	Silver	RoHS Compliant	1825138-3
A201MD9AB04	2	ON-ON	Bat Short	Unthreaded .28 (7.1)	Right Angle	Gold	RoHS Compliant	1825138-6
A201MD9AQ04	2	ON-ON	Bat Short	Unthreaded .28 (7.1)	Right Angle	Silver	RoHS Compliant	1825138-7
A201MD9AV2Q04	2	ON-ON	Bat Short	Unthreaded .28 (7.1)	Vertical Right Angle	Silver	RoHS Compliant	1825138-9
A201SYCB04	2	ON-ON	Bat Long	1/4-40 Threaded .35 (8.9)	Printed Circuit	Gold	RoHS Compliant	2-1825138-4
A201SYCQ04	2	ON-ON	Bat Long	1/4-40 Threaded .35 (8.9)	Printed Circuit	Silver	RoHS Compliant	2-1825138-5
A201SYZB04	2	ON-ON	Bat Long	1/4-40 Threaded .35 (8.9)	Wire Lug	Gold	RoHS Compliant	2-1825138-7
A201SYZQ04	2	ON-ON	Bat Long	1/4-40 Threaded .35 (8.9)	Wire Lug	Silver	RoHS Compliant	2-1825138-8
A201TZQ04	2	ON-ON	Lg. Tgl. & Bushing	Unthreaded .28 (7.1)	Wire Lug	Silver	RoHS Compliant	3-1825138-1
A203KZQ04	2	ON-OFF-ON	Locking	Unthreaded .28 (7.1)	Wire Lug	Silver	RoHS Compliant	1825139-1
A203MD9AB04	2	ON-OFF-ON	Bat Short	Unthreaded .28 (7.1)	Right Angle	Gold	RoHS Compliant	1825139-2
A203SYCQ04	2	ON-OFF-ON	Bat Long	1/4-40 Threaded .35 (8.9)	Printed Circuit	Silver	RoHS Compliant	1825139-9
A203SYZQ04	2	ON-OFF-ON	Bat Long	1/4-40 Threaded .35 (8.9)	Wire Lug	Silver	RoHS Compliant	1-1825139-0
A203TZQ04	2	ON-OFF-ON	Lg. Tgl. & Bushing	Unthreaded .28 (7.1)	Wire Lug	Silver	RoHS Compliant	1-1825139-2
A205SYCQ04	2	(ON)-OFF-(ON)	Bat Long	1/4-40 Threaded .35 (8.9)	Printed Circuit	Silver	RoHS Compliant	1-1825139-7
A205SYZQ04	2	(ON)-OFF-(ON)	Bat Long	1/4-40 Threaded .35 (8.9)	Wire Lug	Silver	RoHS Compliant	1-1825139-8
A207SYZQ04	2	ON-OFF-(ON)	Bat Long	1/4-40 Threaded .35 (8.9)	Wire Lug	Silver	RoHS Compliant	2-1825139-4
A208SYZQ04	2	ON-(ON)	Bat Long	1/4-40 Threaded .35 (8.9)	Wire Lug	Silver	RoHS Compliant	3-1825138-8
A211SYZQ04	2	ON-ON-ON	Bat Long	1/4-40 Threaded .35 (8.9)	Wire Lug	Silver	RoHS Compliant	3-1825139-9

### Gemini AE Toggle Product Key



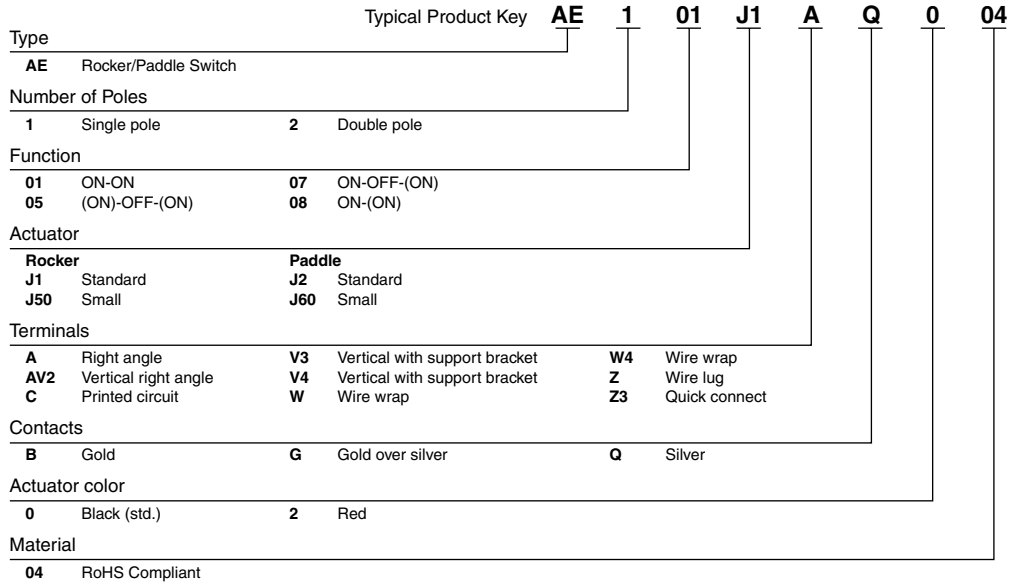
GEMINI AE SERIES TOGGLES								
Product Key	Poles	Function	Toggles	Bushing	Terminations	Contacts	Material	Part Number
AE101MD1AB04	1	ON-ON	Bat Short	Unthreaded	Right Angle	Gold	RoHS Compliant	1825142-1
AE101MD1AQ04	1	ON-ON	Bat Short	Unthreaded	Right Angle	Gold over Silver	RoHS Compliant	1825142-4
AE101MD1AV2B04	1	ON-ON	Bat Short	Unthreaded	Vertical Right Angle	Gold	RoHS Compliant	1825142-5
AE101MD1CB04	1	ON-ON	Bat Short	Unthreaded	Printed Circuit	Gold	RoHS Compliant	1825142-8
AE101SD1AB04	1	ON-ON	Bat Long	Unthreaded	Right Angle	Gold	RoHS Compliant	1-1825142-5
AE101SD1CB04	1	ON-ON	Bat Long	Unthreaded	Printed Circuit	Gold	RoHS Compliant	2-1825142-0
AE103MD1AV2B04	1	ON-OFF-ON	Bat Short	Unthreaded	Vertical Right Angle	Gold	RoHS Compliant	2-1825142-5
AE103SD1CB04	1	ON-OFF-ON	Bat Long	Unthreaded	Printed Circuit	Gold	RoHS Compliant	3-1825142-0
AE105SD1CB04	1	ON-OFF-ON	Bat Long	Unthreaded	Printed Circuit	Gold	RoHS Compliant	3-1825142-9
AE201SD1AV2B04	2	ON-ON	Bat Long	Unthreaded	Vertical Right Angle	Gold	RoHS Compliant	1825143-9
AE201SD1CB04	2	ON-ON	Bat Long	Unthreaded	Printed Circuit	Gold	RoHS Compliant	1-1825143-0
AE201SD1CQ04	2	ON-ON	Bat Long	Unthreaded	Printed Circuit	Silver	RoHS Compliant	1-1825143-1
AE203SD1AV2B04	2	ON-OFF-ON	Bat Long	Unthreaded	Vertical Right Angle	Gold	RoHS Compliant	1-1825143-7
AE203SD1AV2Q04	2	ON-OFF-ON	Bat Long	Unthreaded	Vertical Right Angle	Silver	RoHS Compliant	1-1825143-8
AE203SD1CB04	2	ON-OFF-ON	Bat Long	Unthreaded	Printed Circuit	Gold	RoHS Compliant	1-1825143-9

### Gemini A Rocker Paddle Product Key



GEMINI A SERIES ROCKER/PADDLE									
Product Key	Poles	Function	Actuator	Terminals	Contacts	Act. Color	Fr. Color	Material	Part Number
A101J1AV2Q004	1	ON-ON	Small	Vertical Right Angle	Silver	Black	N/A	RoHS Compliant	1-1571986-1
A101J1ZQ004	1	ON-ON	Small	Wire Lug	Silver	Black	N/A	RoHS Compliant	1-1571986-7
A101J51ZQ004	1	ON-ON	Snap-in	Wire Lug	Silver	Black	Black	RoHS Compliant	3-1571986-4
A103J51ZQ004	1	ON-OFF-ON	Snap-in, Frame	Wire Lug	Silver	Black	Black	RoHS Compliant	4-1571986-5
A105J1ZQ004	1	(ON)-OFF-(ON)	Small	Wire Lug	Silver	Black	N/A	RoHS Compliant	5-1571986-3
A105J3ZQ004	1	(ON)-OFF-(ON)	Large	Wire Lug	Silver	Black	N/A	RoHS Compliant	5-1571986-9
A105J51ZQ004	1	(ON)-OFF-(ON)	Snap-in, Frame	Wire Lug	Silver	Black	Black	RoHS Compliant	6-1571986-1
A107J51ZQ004	1	ON-OFF-(ON)	Snap-in, Frame	Wire Lug	Silver	Black	Black	RoHS Compliant	6-1571986-5
A108J51ZQ004	1	ON-(ON)	Snap-in, Frame	Wire Lug	Silver	Black	Black	RoHS Compliant	6-1571986-9
A201J1AQ004	2	ON-ON	Small	Right Angle	Silver	Black	N/A	RoHS Compliant	1571987-2
A201J1AV2Q004	2	ON-ON	Small	Vertical Right Angle	Silver	Black	N/A	RoHS Compliant	1571987-4
A201J50ZQ004	2	ON-ON	Snap-in	Wire Lug	Silver	Black	N/A	RoHS Compliant	1-1571987-4
A201J51ZQ004	2	ON-ON	Snap-in, Frame	Wire Lug	Silver	Black	Black	RoHS Compliant	1-1571987-5
A201J61ZQ004	2	ON-ON	Snap-in, Frame	Wire Lug	Silver	Black	Black	RoHS Compliant	1-1571987-9
A203J51ZQ004	2	ON-OFF-ON	Snap-in, Frame	Wire Lug	Silver	Black	Black	RoHS Compliant	2-1571987-6
A203J61ZQ004	2	ON-OFF-ON	Snap-in, Frame	Wire Lug	Silver	Black	Black	RoHS Compliant	2-1571987-7
A205J51ZQ004	2	(ON)-OFF-(ON)	Snap-in, Frame	Wire Lug	Silver	Black	Black	RoHS Compliant	3-1571987-3
A205J61ZQ004	2	(ON)-OFF-(ON)	Snap-in, Frame	Wire Lug	Silver	Black	Black	RoHS Compliant	3-1571987-4

Gemini AE Rocker Paddle Product Key



GEMINI AE SERIES ROCKER/PADDLE									
Product Key	Poles	Function	Actuator	Terminals	Contacts	Act. Color	Material	Part Number	
AE101J1AQ004	1	ON-ON	Standard	Right Angle	Silver	Black	RoHS Compliant	1571988-2	
AE101J1AV2Q004	1	ON-ON	Standard	Vertical Right Angle	Silver	Black	RoHS Compliant	1571988-4	
AE101J1V3B004	1	ON-ON	Standard	Br. .620 (15.75)	Gold	Black	RoHS Compliant	1571988-5	
AE105J1V3B004	1	(ON)-OFF-(ON)	Standard	Br. .620 (15.75)	Gold	Black	RoHS Compliant	1-1571988-0	
AE201J1AV2Q004	2	ON-ON	Standard	Vertical Right Angle	Silver	Black	RoHS Compliant	1571989-2	
AE201J1V3B004	2	ON-ON	Standard	Br. .620 (15.75)	Gold	Black	RoHS Compliant	1571989-3	

# How to Specify a Switch

## Electrical Considerations

Voltage of Applications: \_\_\_\_\_ Current of Application: \_\_\_\_\_

Circuitry Configuration: Number of Poles: \_\_\_\_\_ Number of Throws: \_\_\_\_\_

Number of Operations anticipated: \_\_\_\_\_

Agency Approvals or Listings Desired: \_\_\_\_\_

## Mechanical Considerations

Type of Switch (Actuator Type): \_\_\_\_\_ Toggle \_\_\_\_\_ Pushbutton \_\_\_\_\_ Rotary \_\_\_\_\_ Rocker \_\_\_\_\_ Other

Switch Function (On/Off/On): \_\_\_\_\_ On/Off: \_\_\_\_\_ Momentary: \_\_\_\_\_

Termination: \_\_\_\_\_ Thru-Hole (PC) \_\_\_\_\_ Surface Mount \_\_\_\_\_ Wire Lug \_\_\_\_\_ Quick Connect \_\_\_\_\_ Other

Sealing Contamination Requirements: \_\_\_\_\_

## Product Processing Considerations

Anticipated Soldering Process: \_\_\_\_\_ Hand \_\_\_\_\_ Wave \_\_\_\_\_ SMT \_\_\_\_\_ Other

## FOR MORE INFORMATION

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Part numbers in this brochure are RoHS Compliant\*, unless marked otherwise.

\*as defined [www.te.com/leadfree](http://www.te.com/leadfree)

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