

# 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

## Typical Performance Characteristics

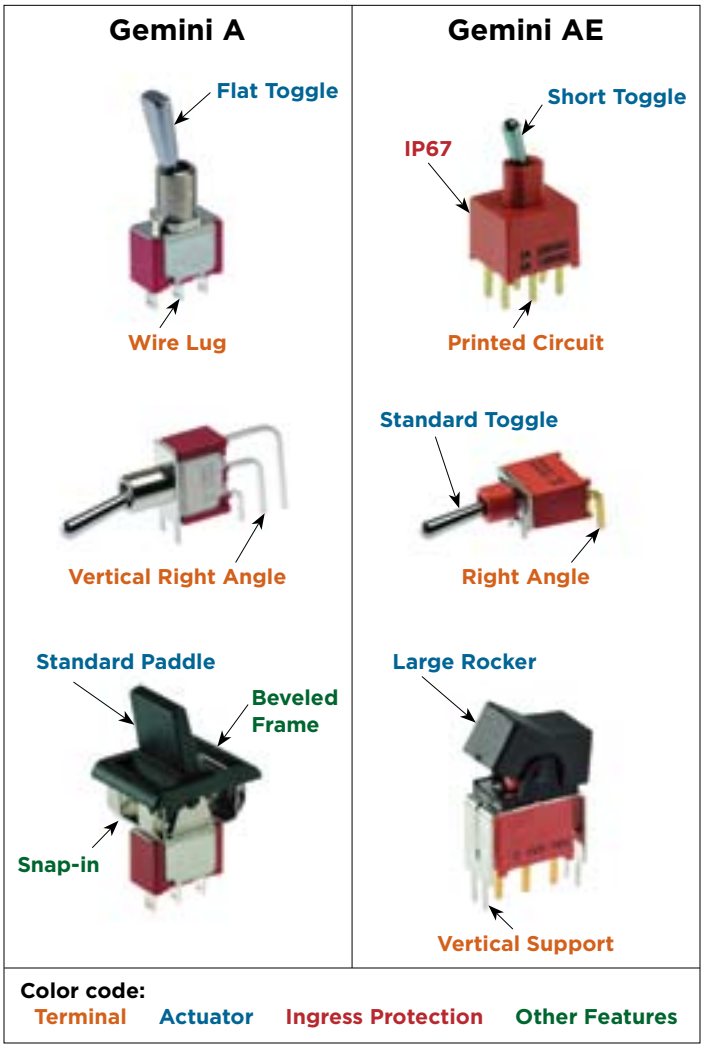
**Contact Configuration** : 1, 2, 3, and 4 pole
**Contact Timing** : Break before make
**Contact Rating Max.** :
Gold : 0.4VA @20V AC or DC
Gold over Silver : 5A @ 125VAC or 28VDC resistive
0.4VA @ 20V AC or DC or
2A @ 250VAC resistive
Silver : 5A @ 125VAC or 28VDC resistive
**Electrical Life** : 6000 cycles
**Contact Resistance, Initial** : 10 mOhms max. at 2–4 VDC 100 mA
**Insulation Resistance** : 1,000 MOhms
**Dielectric Strength** : 1,000 Vrms @ sea level
**Actuator Travel** : 22° for D and E function
18° for F and G function

## Environmental Specification

**Operating Temperature** : -30 to +85°C
**Storage Temperature** : -30 to +85°C
**Solder Heat Resistance** : Wave solder capable to 265°C
**Terminal Seal** : Single pole: epoxy

## Material Specifications

**Contacts** :
Contacts B : Copper alloy finish gold over nickel
Contacts G : Copper alloy finish gold over silver
Contacts Q : Copper alloy finish silver
**Actuator** : Brass alloy finish nickel
**Terminals** :
Contacts B : Copper alloy finish gold over nickel
Contacts G : Copper alloy finish gold over silver
Contacts Q : Copper alloy finish silver
**Case** : Thermoplastic
**Bushing** : Brass alloy finish nickel
**Internal Actuator** : Phenolic
**Spring** : Music wire
**Support Bracket** : Brass tin plated
**Seal** : Epoxy




## Gemini A Toggle Product Key

Typical Product Key **A 1 01 P3 Z Q 04**

**Type**

| | |
|---|---|
| **A** | Gemini A Series Toggles |

**Number of Poles**

| | | | |
|---|---|---|---|
| **1** | Single pole | **2** | Double pole |

**Function**

| Single and double pole | | | | Double pole only | |
|---|---|---|---|---|---|
| **01** | ON-ON | **07** | ON-OFF-(ON) | **11** | ON-ON-ON |
| **03** | ON-OFF-ON | **08** | ON-(ON) | **13** | ON-ON-(ON) |
| **05** | (ON)-OFF-(ON) | | | **15** | (ON)-ON-(ON) |

**Toggles**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **S** | Bat long | **M** | Bat short | **T** | Large toggle & bushing (15/32) | **L1** | Lever |
| **K** | Locking | **P3** | Flatted (with bushing code Y only) | **T1** | Large toggle & bushing (15/32) | **L2** | Lever |
| **K1** | Locking | | | **L** | Lever | | |

**Bushing**

| | | | | | |
|---|---|---|---|---|---|
| **blank** | Toggles K1 &/ P3: 1/4-40 threaded .35 (8. 9) long<br>Toggles K, T, T1: unthreaded .28 (7.1) long | **D** | 1/4-40 threaded .28 (7.1) long | **Y** | 1/4-40 threaded .35 (8.9) long |
| | | **D9** | unthreaded .28 (7.1) long | **Y9** | unthreaded .35 (8.9) long |
| **CW** | 1/4-40 threaded .37 (9.4) long, environmental seals (toggles codes S & M only) | **H** | 1/4-40 threaded .3 (7.6) long | | |

**Terminations**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **A** | Right angle | **C** | Printed circuit | **V40** | Vertical support | **W4** | Wire wrap |
| **AV2** | Vertical right angle | **V30** | Vertical support | **W** | Wire wrap | **Z** | Wire lug |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| **B** | Gold | **G** | Gold over silver | **Q** | Silver |

**Material**

| | |
|---|---|
| **04** | RoHS Compliant |

## 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

Typical Product Key **AE 1 01 S D1 C Q 04**

**Type**

| | |
|---|---|
| **AE** | Gemini AE Series Toggle |

**Number of Poles**

| | | | |
|---|---|---|---|
| **1** | Single pole | **2** | Double pole |

**Function**

| Single and double pole | | | | Double pole only | |
|---|---|---|---|---|---|
| **01** | ON-ON | **07** | ON-OFF-(ON) | **11** | ON-ON-ON |
| **03** | ON-OFF-ON | **08** | ON-(ON) | **13** | ON-ON-(ON) |
| **05** | (ON)-OFF-(ON) | | | **15** | (ON)-ON-(ON) |

**Toggles**

| | | | |
|---|---|---|---|
| **S** | Bat long | **M** | Bat short |

**Bushing**

| | |
|---|---|
| **D1** | Unthreaded |

**Terminations**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **A** | Right angle | **C** | Printed circuit | **V40** | Vertical support | **W4** | Wire wrap |
| **AV2** | Vertical right angle | **V30** | Vertical support | **W** | Wire wrap | **Z** | Wire lug |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| **B** | Gold | **G** | Gold over silver | **Q** | silver |

**Material**

| | |
|---|---|
| **04** | RoHS Compliant |

## 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

Typical Product Key **A 1 01 J1 A Q 0 04**

**Type**

| | |
|---|---|
| **A** | Rocker/Paddle Switch |

**Number of Poles**

| | | | |
|---|---|---|---|
| **1** | Single pole | **2** | Double pole |

**Function**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **01** | ON-ON | **05** | (ON)-OFF-(ON) | **08** | ON-(ON) | **13** | ON-ON-(ON) |
| **03** | ON-OFF-ON | **07** | ON-OFF-(ON) | **11** | ON-ON-ON | | |

**Actuator**

| Rocker | | Rocker | | Paddle | | Paddle | |
|---|---|---|---|---|---|---|---|
| **J1** | Small | **J51** | Snap-in w/beveled frame | **J2** | Small | **J61** | Snap-in w/beveled frame |
| **J3** | Large | **J52** | Snap-in w/beveled frame & LED | **J4** | Large | **J62** | Snap-in w/beveled frame & LED |
| **J50** | Snap-in | | | **J60** | Snap-in | | |

**Terminals**

| | | | | | |
|---|---|---|---|---|---|
| **A** | Right angle | **C** | Printed circuit | **Z** | Wire lug |
| **AV2** | Vertical right angle | **V3** | Vertical with support bracket .620 (15.75) | **Z3** | Quick connect |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| **B** | Gold | **G** | Gold over silver | **Q** | silver |

**Actuator color**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **0** | Black (std.) | **2** | Red | **4** | Yellow | **6** | Blue | **9** | White |
| **1** | Brown | **3** | Orange | **5** | Green | **8** | Gray | | |

**Beveled frame color**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **0** | Black (std.) | **2** | Red | **4** | Yellow | **6** | Blue | **9** | White |
| **1** | Brown | **3** | Orange | **5** | Green | **8** | Gray | | |

**Material**

| | |
|---|---|
| **04** | RoHS Compliant |

## 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 |
| A101J51ZQ0004 | 1 | ON-ON | Snap-in | Wire Lug | Silver | Black | Black | RoHS Compliant | 3-1571986-4 |
| A103J51ZQ0004 | 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 |
| A105J51ZQ0004 | 1 | (ON)-OFF-(ON) | Snap-in, Frame | Wire Lug | Silver | Black | Black | RoHS Compliant | 6-1571986-1 |
| A107J51ZQ0004 | 1 | ON-OFF-(ON) | Snap-in, Frame | Wire Lug | Silver | Black | Black | RoHS Compliant | 6-1571986-5 |
| A108J51ZQ0004 | 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 |
| A201J51ZQ0004 | 2 | ON-ON | Snap-in, Frame | Wire Lug | Silver | Black | Black | RoHS Compliant | 1-1571987-5 |
| A201J61ZQ0004 | 2 | ON-ON | Snap-in, Frame | Wire Lug | Silver | Black | Black | RoHS Compliant | 1-1571987-9 |
| A203J51ZQ0004 | 2 | ON-OFF-ON | Snap-in, Frame | Wire Lug | Silver | Black | Black | RoHS Compliant | 2-1571987-6 |
| A203J61ZQ0004 | 2 | ON-OFF-ON | Snap-in, Frame | Wire Lug | Silver | Black | Black | RoHS Compliant | 2-1571987-7 |
| A205J51ZQ0004 | 2 | (ON)-OFF-(ON) | Snap-in, Frame | Wire Lug | Silver | Black | Black | RoHS Compliant | 3-1571987-3 |
| A205J61ZQ0004 | 2 | (ON)-OFF-(ON) | Snap-in, Frame | Wire Lug | Silver | Black | Black | RoHS Compliant | 3-1571987-4 |

## Gemini AE Rocker Paddle Product Key

Typical Product Key **AE 1 01 J1 A Q 0 04**

**Type**

| | |
|---|---|
| **AE** | Rocker/Paddle Switch |

**Number of Poles**

| | | | |
|---|---|---|---|
| **1** | Single pole | **2** | Double pole |

**Function**

| | | | |
|---|---|---|---|
| **01** | ON-ON | **07** | ON-OFF-(ON) |
| **05** | (ON)-OFF-(ON) | **08** | ON-(ON) |

**Actuator**

| **Rocker** | | **Paddle** | |
|---|---|---|---|
| **J1** | Standard | **J2** | Standard |
| **J50** | Small | **J60** | Small |

**Terminals**

| | | | | | |
|---|---|---|---|---|---|
| **A** | Right angle | **V3** | Vertical with support bracket | **W4** | Wire wrap |
| **AV2** | Vertical right angle | **V4** | Vertical with support bracket | **Z** | Wire lug |
| **C** | Printed circuit | **W** | Wire wrap | **Z3** | Quick connect |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| **B** | Gold | **G** | Gold over silver | **Q** | Silver |

**Actuator color**

| | | | |
|---|---|---|---|
| **0** | Black (std.) | **2** | Red |

**Material**

| | |
|---|---|
| **04** | RoHS Compliant |

## 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**


**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 |


Part numbers in this brochure are RoHS Compliant*, unless marked otherwise.
*as defined www.te.com/leadfree

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2-1773458-5 CIS LUG FP 1M 04/2011


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