



## 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                | Gemini A Series Toggles                                                                                                                                                                                                                                                                                                                         |  |  |   |   |    |    |  |   |   |    |
| Number of Poles     | 2 Double pole                                                                                                                                                                                                                                                                                                                                   |  |  |   |   |    |    |  |   |   |    |
| Function            | 07 ON-OFF-(ON) 08 ON-(ON) Double pole only 11 ON-ON-ON 13 ON-ON-(ON) 15 (ON)-ON-(ON)                                                                                                                                                                                                                                                            |  |  |   |   |    |    |  |   |   |    |
| Toggles             | S Bat long K Locking K1 Locking M Bat short P3 Flatted (with bushing code Y only) T Large toggle & bushing (15/32) T1 Large toggle & bushing (15/32) L Lever L1 Lever L2 Lever                                                                                                                                                                  |  |  |   |   |    |    |  |   |   |    |
| Bushing             | blank Toggles K1 & P3: 1/4-40 threaded .35 (8.9) long Toggles K, T, T1: unthreaded .28 (7.1) long CW 1/4-40 threaded .37 (9.4) long, environmental seals (toggles codes S & M only) D 1/4-40 threaded .28 (7.1) long D9 unthreaded .28 (7.1) long H 1/4-40 threaded .3 (7.6) long Y 1/4-40 threaded .35 (8.9) long Y9 unthreaded .35 (8.9) long |  |  |   |   |    |    |  |   |   |    |
| Terminations        | A Right angle AV2 Vertical right angle C Printed circuit V30 Vertical support V40 Vertical support W Wire wrap W4 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

|                     |  |  |  |                      |  |  |  |        |   |                                            |    |        |   |     |  |               |  |    |  |            |  |                               |  |   |  |       |  |       |  |
|---------------------|--|--|--|----------------------|--|--|--|--------|---|--------------------------------------------|----|--------|---|-----|--|---------------|--|----|--|------------|--|-------------------------------|--|---|--|-------|--|-------|--|
| Type                |  |  |  | Typical Product Key  |  |  |  | A      | 1 | 01                                         | J1 | A      | Q | 0   |  | 04            |  |    |  |            |  |                               |  |   |  |       |  |       |  |
| 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 |
| 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

| 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              |  |  |  |                      |   |     |    |                               |   |    |    |               |  |
| 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](http://www.te.com/leadfree)

## te.com

© 2011 Tyco Electronics Corporation, a TE Connectivity Ltd. Company. All Rights Reserved.

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

TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks. Other logos, product and/or company names might be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.



Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)

[www.lifeelectronics.ru](http://www.lifeelectronics.ru)