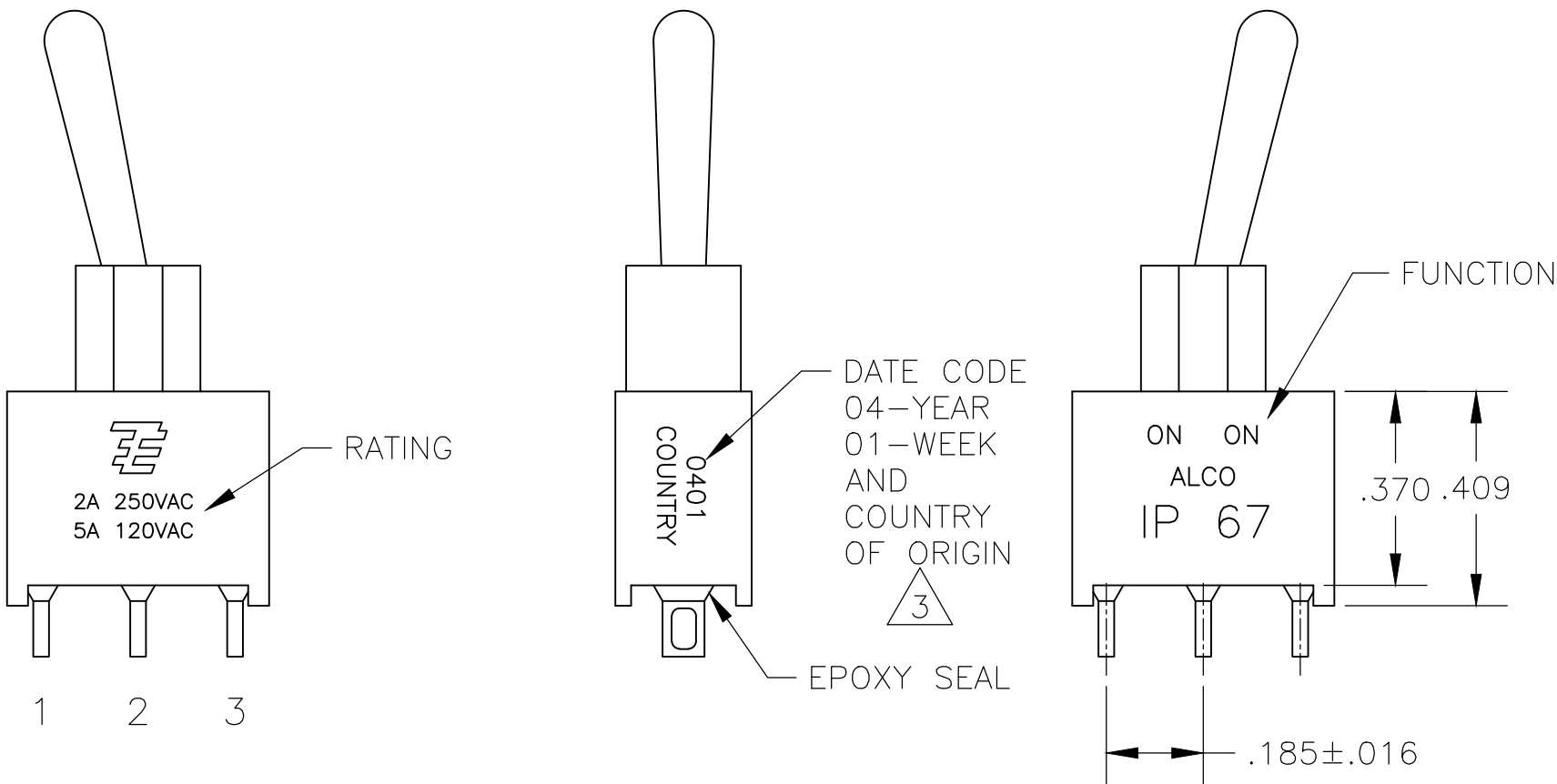
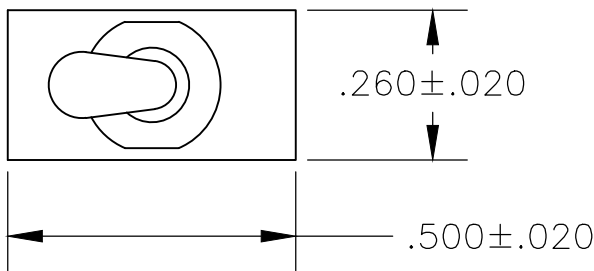


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A5	ECR-16-017266	01JUN2018	SR	PO

- 1 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).
- 2 G CONTACT OPTION CAN BE USED FOR SIGNAL OR POWER LEVEL SWITCHING. IF SWITCH IS USED AT LEVELS EXCEEDING .4VA @ 20V AC/DC, SWITCH IS RENDERED FOR POWER SWITCHING ONLY DUE TO ARC REMOVAL OF GOLD PLATING. RATING MARKED ON SWITCH IS 2A 250VAC, 5A 120VAC.
- 3 SWITCHES MEETS REQUIREMENTS OF IP67.
- 4 DATE CODE AND COUNTRY OF ORIGIN MAY APPEAR ON EITHER SIDE OF SWITCH.
- 5 ALL LOGO, RATING, DATE CODE, AND FUNCTION MARKINGS TO BE LASER MARKED.



FUNCTION CHART			
FUNCTION			
01	ON	NONE	ON
03	ON	OFF	ON
05	(ON)	OFF	(ON)
07	ON	OFF	(ON)
08	ON	NONE	(ON)
TERMINALS CONNECTED	2-3	---	1-2
NONE: NO MECHANICAL POSITION OFF: MECHANICAL POSITION WITH NO MECHANICAL CONNECTION (ON): MOMENTARY ACTION			

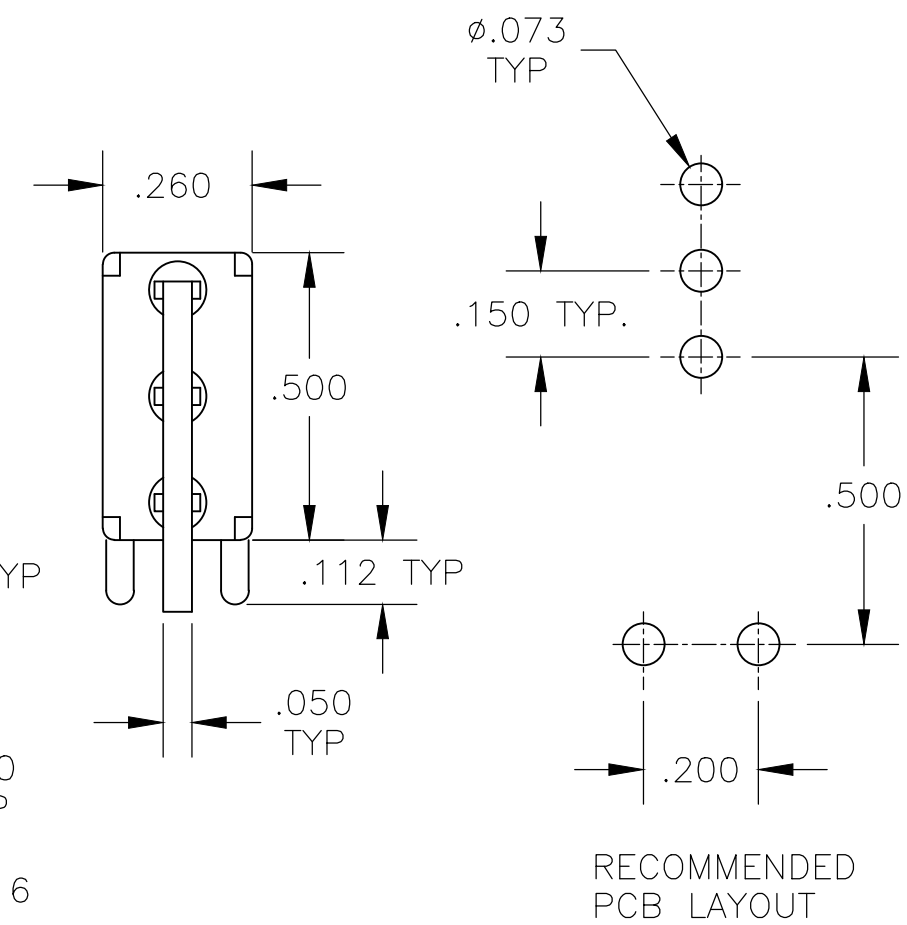
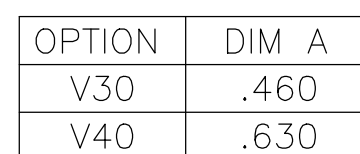
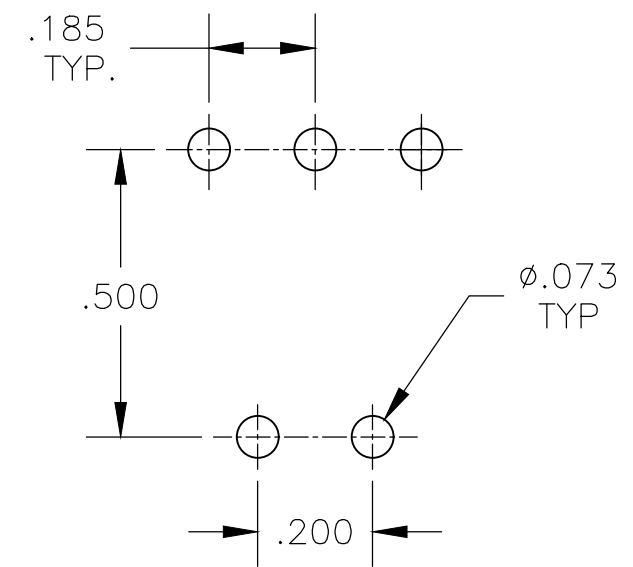
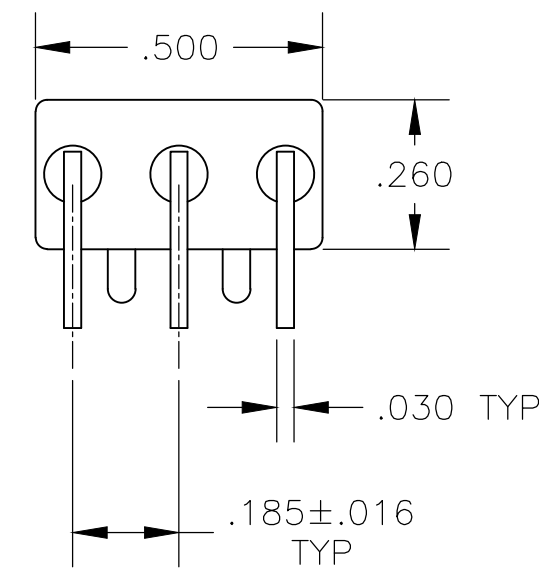
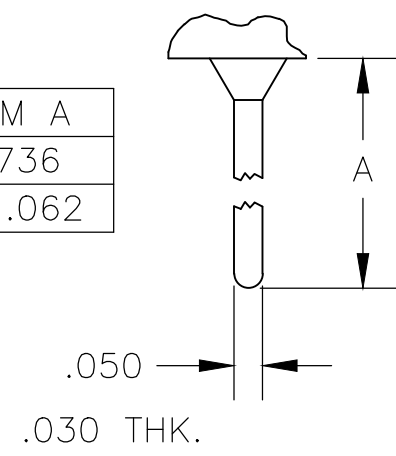
SPECIFICATIONS CHART	
RATING, B CONTACTS	.4VA MAX @20V MAX. AC OR DC
RATING, G CONTACTS-SEE NOTE 2	.4VA MAX @20V MAX. AC OR DC OR 5A @120 VAC OR 28 VDC (RESISTIVE)
	2A @250 VAC (RESISTIVE)
RATING, Q CONTACTS	5A @120 VAC OR 28 VDC (RESISTIVE)
	2A @250 VAC (RESISTIVE)
ELECTRICAL LIFE	6,000 CYCLES AT RATED LOAD
CONTACT RESISTANCE	10 MILLIOHMS MAX INITIAL @ 2-4VDC, 100ma
INSULATION RESISTANCE	1,000 MEGOHMS MIN
DIELECTRIC WITHSTANDING VOLTAGE	1,000 V RMS AT SEA LEVEL
OPERATING TEMPRATURE	-30C TO 85C

PART NUMBER SEQUENCE CHART						
MODEL	FUNCTION	TOGGLE	BUSHING	TERMINAL	CONTACT	RoHS
AE1	01	M	D1	A	B	04
	03	S		AV2	G	
	05			C	Q	
	07			V30		
	08			V40		
				W		
				W4		
				Z		
				Z3		
EXAMPLE: AE101SD1CQ04						

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. ZITTO 18MAY05	TE Connectivity			
DIMENSIONS: INCHES		CHK M. ZITTO				
		APVD M. ZITTO	NAME GEMINI AE SERIES TOGGLE SWITCH, SINGLE POLE			
		PRODUCT SPEC				
MATERIAL -		APPLICATION SPEC	SIZE A2		CAGE CODE 00779	DRAWING NO C-1825142
		FINISH -	WEIGHT		RESTRICTED TO -	SCALE 3:1
CUSTOMER DRAWING			SHEET 1 OF 4		REV A5	



W W4 WIRE WRAP



1825142

E

A

1471-9 (1/15)

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1

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

Alco P/N	TE P/N	
AE101MD1AB04	1825142-1	
AE101MD1AG04	1825142-2	
not assigned	1825142-3	OBSOLETE
AE101MD1AQ04	1825142-4	
AE101MD1AV2B04	1825142-5	
AE101MD1AV2Q04	1825142-6	
not assigned	1825142-7	OBSOLETE
AE101MD1CB04	1825142-8	
AE101MD1CG04	1825142-9	
AE101MD1CQ04	1-1825142-0	OBSOLETE
AE101MD1V30B04	1-1825142-1	
AE101MD1V30Q04	1-1825142-2	
AE101MD1W4B04	1-1825142-3	
AE101MD1W4Q04	1-1825142-4	OBSOLETE
AE101SD1AB04	1-1825142-5	
AE101SD1AQ04	1-1825142-6	
not assigned	1-1825142-7	OBSOLETE
AE101SD1AV2B04	1-1825142-8	
AE101SD1AV2Q04	1-1825142-9	OBSOLETE
AE101SD1CB04	2-1825142-0	
AE101SD1CQ04	2-1825142-1	
AE101SD1V30B04	2-1825142-2	
AE101SD1V30Q04	2-1825142-3	OBSOLETE
AE103MD1AB04	2-1825142-4	
AE103MD1AV2B04	2-1825142-5	
AE103MD1CB04	2-1825142-6	
NOT ASSIGNED	2-1825142-7	
AE103MD1W4B04	2-1825142-8	OBSOLETE
AE103SD1AV2B04	2-1825142-9	
AE103SD1CB04	3-1825142-0	
AE103SD1CQ04	3-1825142-1	
not assigned	3-1825142-2	
AE103SD1V30B04	3-1825142-3	
AE103SD1W4B04	3-1825142-4	OBSOLETE
AE105MD1AB04	3-1825142-5	
AE105MD1AG04	3-1825142-6	
AE105MD1AV2B04	3-1825142-7	
AE105MD1W4B04	3-1825142-8	OBSOLETE
AE105SD1CB04	3-1825142-9	
AE105SD1V30B04	4-1825142-0	OBSOLETE

Alco P/N	TE P/N	
AE105SD1W4B04	4-1825142-1	OBSOLETE
AE107MD1AV2B04	4-1825142-2	
AE107SD1AB04	4-1825142-3	
AE107SD1AG04	4-1825142-4	OBSOLETE
AE107SD1CB04	4-1825142-5	
AE107SD1V30B04	4-1825142-6	
AE108MD1AQ04	4-1825142-7	
AE108MD1AV2B04	4-1825142-8	
AE108MD1AV2Q04	4-1825142-9	OBSOLETE
AE108SD1AB04	5-1825142-0	
AE108SD1AQ04	5-1825142-1	
AE108SD1CQ04	5-1825142-2	
not assigned	5-1825142-3	OBSOLETE
AE108SD1V30B04	5-1825142-4	
AE108SD1W4B04	5-1825142-5	OBSOLETE

MATERIALS CHART

COMPONENT NAME	BASE MATERIAL	FINISH
CASE & BUSHING	NYLON, RED, UL94 V-0	
O-RING	PVC, BLACK	
B TERMINALS & CONTACTS	COPPER	GOLD OVER NICKEL
G TERMINALS & CONTACTS	COPPER	GOLD OVER SILVER
Q TERMINALS & CONTACTS	COPPER	GOLD FLASH OVER SILVER
ACTUATOR	PHENOLIC, BLACK, UL94 V-1	
LEVER	BRASS	CHROME
SPRING	MUSIC WIRE	
PIVOT PIN	STEEL	NICKEL
LOCK WASHER	STAINLESS STEEL	
LOCKING RING	STAINLESS STEEL	
NUTS	BRASS	NICKEL
TERMINAL SEAL	EPOXY, UL94V-0	
MARKING	INK, BLACK	
SUPPORT BRACKET	BRASS OR STEEL	TIN
SUPPORT BRACKET RETAINER	STAINLESS STEEL	

1471-9 (1/15)

1825142

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DIMENSIONS:
INCHES

MATERIAL
-

FINISH
-

DWN
M. ZITTO

CHK
M. ZITTO

APVD
M. ZITTO

PRODUCT SPEC
-

APPLICATION SPEC
-

WEIGHT

CUSTOMER DRAWING

18MAY05

-

-

-

-

A2

00779

SCALE
3:1

SHEET
3 OF 4

REV
A5

TE Connectivity

NAME
GEMINI AE SERIES TOGGLE SWITCH,
SINGLE POLE
-

SIZE
A2

CAGE CODE
00779

DRAWING NO
C-1825142

RESTRICTED TO
-

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[AE103SD1CQ04](#)