

1825142-5 Product Details



1825142-5 (AE101MD1AV2B04)

TE Internal Number: 1825142-5



Toggle Switches



Product Highlights:

- AE Series
 - Single Pole Double Throw Configuration (Pole-
- Current Rating = 0.4 VA A
 Mount Style = Through-Hole
 Termination Type = Vertical Right Angle

Documentation & Additional Information

Product Drawings:

GEMINI AE SERIES TOGGLE SWITCH, SINGLE POLE (PDF, English)

- Catalog Pages/Data Sheets:
 SWITCHES_CORE_PROGRAM_CATALOG (PDF, English)
 - GEMINI_SERIES_SWITCHES_QUICK_REF_GUIDE_2-1773458-5 (PDF, English)

Product Specifications:

None Available

Application Specifications:

Instruction Sheets:

None Available

CAD Files:

None Available

Additional Information:

Additional Product Images:

- Product Photo
- Dimensional Drawing

Related Products:

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- Series = AE
- Termination Type = Vertical Right Angle

Electrical Characteristics:

• Current Rating (A) = 0.4 VA

Termination Features:

Seal Type = Terminal Seal (epoxy)

Body Features: • Mount Sty

- Mount Style = Through-Hole
- Bushing Style = Unthreaded
- Bushing Type = Plain

Contact Features:

Contact Plating = Gold

Housing Features:

- Toggle Actuation = Vertical
- Toggle Style = Baton Short
- Toggle Length (mm [in]) = 7.62 [0.300]
- Process Sealed = Yes
- UL Flammability Rating = UL 94V-0

- - Operating Function = On On

Industry Standards:

- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS compliant
- UL Rating = Contact Only

Other:

- Brand = Alcoswitch
- Comment = Process seal meets MIL-STD-202, Method 112 test cond. A & D at 85°C.

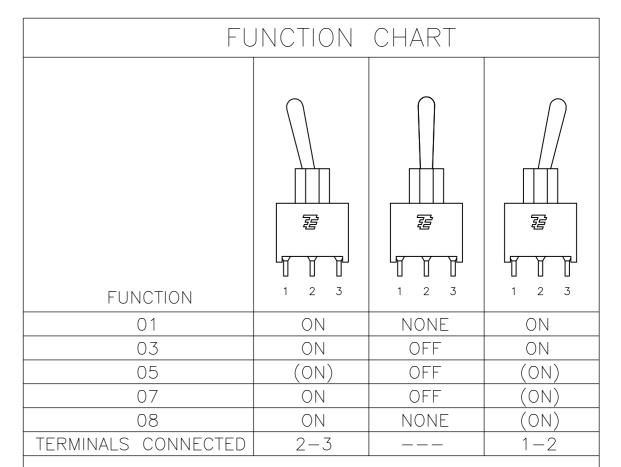
LOC DIST REVISIONS

AD DESCRIPTION DATE DWN APVD

A3 REVISED PER ECO-10-009310 08MAY10 HMR MW

- 1 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).
- 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 STAMPED ON SWITCH IS 2A 250VAC, 5A 120VAC.
- 3 SWITCHES MEETS REQUIREMENTS OF IP67.

DATE CODE AND COUNTRY OF ORIGIN MAY APPEAR ON EITHER SIDE OF SWITCH.



NONE: NO MECHANICAL POSITION

OFF: MECHANICAL POSITION WITH NO MECHANICAL CONNECTION

(ON): MOMENTARY ACTION

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

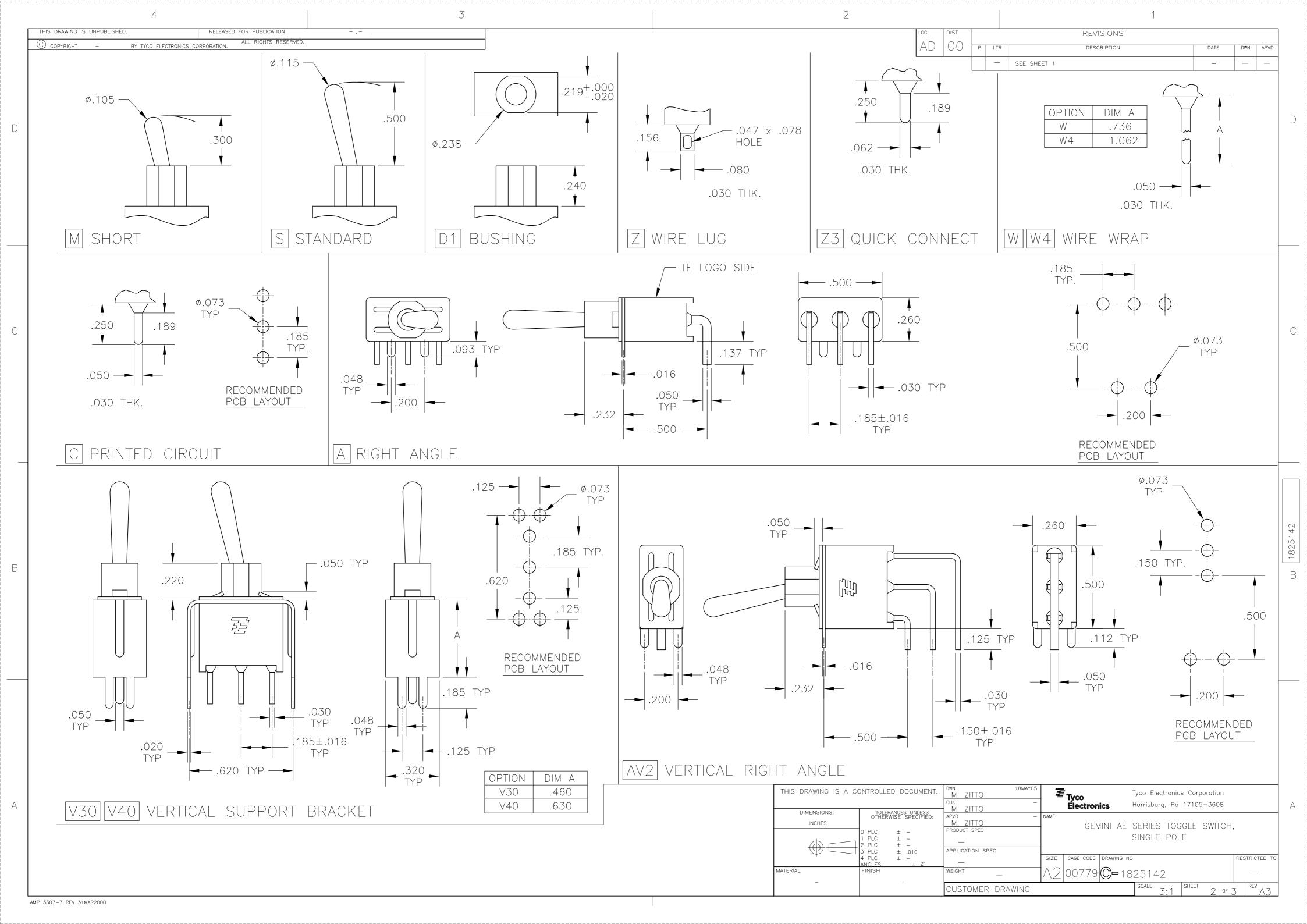
THIS DRAWING IS A CO	ONTROLLED DOCUMENT.	DWN 18MAYO M. ZITTO)5	Tyco	1	yco Electronic	s Corpor	ration	
DIMENSIONS	To 50 W050 WW 500	CHK M. ZITTO	-	Electron	ics [†]	Harrisburg, Pa	17105-	3608	
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .010	APVD M. ZITTO PRODUCT SPEC — APPLICATION SPEC	- NAME	GEN		SERIES TOG SINGLE POL		WITCH,	
MATERIAL	4 PLC ± - ANGIFS ± 2' FINISH	WEIGHT	SIZE	cage code 00779	DRAWING NO	25142			RESTRICTED TO
-		CUSTOMER DRAWING				scale 3:1	SHEET	1 OF 3	REV A3

AMP 3307-7 REV 31MAR2000

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REVISIONS AD DESCRIPTION SEE SHEET 1

Alco P/N	TE P/N		
AE101MD1AB04	1825142-1		
AE101MD1AG04	1825142-2		
not assigned	1825142-3		
AE101MD1AQ04	1825142-4		
AE101MD1AV2B04	1825142-5		
AE101MD1AV2Q04	1825142-6		
not assigned	1825142-7		
AE101MD1CB04	1825142-8		
AE101MD1CG04	1825142-9		
AE101MD1CQ04	1-1825142-0		
AE101MD1V30B04	1-1825142-1		
AE101MD1V30Q04	1-1825142-2		
AE101MD1W4B04	1-1825142-3		
AE101MD1W4Q04	1-1825142-4		
AE101SD1AB04	1-1825142-5		
AE101SD1AQ04	1-1825142-6		
not assigned	1-1825142-7		
AE101SD1AV2B04	1-1825142-8		
AE101SD1AV2Q04	1-1825142-9		
AE101SD1CB04	2-1825142-0		
AE101SD1CQ04	2-1825142-1		
AE101SD1V30B04	2-1825142-2		
AE101SD1V30Q04	2-1825142-3		
AE103MD1AB04	2-1825142-4		
AE103MD1AV2B04	2-1825142-5		
AE103MD1CB04	2-1825142-6		
NOT ASSIGNED	2-1825142-7		
AE103MD1W4B04	2-1825142-8		
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		
AE105MD1AB04	3-1825142-5		
AE105MD1AG04	3-1825142-6		
AE105MD1AV2B04	3-1825142-7		
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Alco P/N	TE P/N			
AE105SD1W4B04	4-1825142-1			
AE107MD1AV2B04	4-1825142-2			
AE107SD1AB04	4-1825142-3			
AE107SD1AG04	4-1825142-4			
AE107SD1CB04	4-1825142-5			
AE107SD1V30B04	4-1825142-6			
AE108MD1AQ04	4-1825142-7			
AE108MD1AV2B04	4-1825142-8			
AE108MD1AV2Q04	4-1825142-9			
AE108SD1AB04	5-1825142-0			
AE108SD1AQ04	5-1825142-1			
AE108SD1CQ04	5-1825142-2			
not assigned	5-1825142-3			
AE108SD1V30B04	5-1825142-4			
AE108SD1W4B04	5-1825142-5			

	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	

AE105MD1W4B04

AE105SD1CB04

AE105SD1V30B04

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3-1825142-9

4-1825142-0

THIS DRAWING IS UNPUBLISHED.