

Ordering Table — Standard Toggle Switches

HOW TO ORDER YOUR DESIGN (Bold Face Type indicates items normally in Distributor Stock)

Following the table from left to right, the designer is able to specify the options wanted. The options are described and illustrated on pages 24-31. Refer to page 57 for mounting hardware.

To determine a part number select the options desired and fill in the boxes in the selection guides illustrated below.

Toggle Switch Selection Guide

Toggle Switch Series	Poles and Throw		Circuit		Lever Options		Lever Finish	Bushing Options		Terminal Type		Contact Material		Other	
<div></div>	<div></div>		<div></div>		<div></div>		<div></div>	<div></div>		<div></div>		<div></div>		<div></div>	

*Momentary Contact

1 Available on S, M and P3 only.

2 Add .070 to lever length when using these bushings.

3 Available with S, M, L0, L1, L2, L3, L4 lever options. Consult factory for availability.

4 Standard on P1, P3, P4 and K1 lever options. Available on all other levers except T & T1.

5 These circuits are NOT available with the following 3 and 4 pole options: A, AV, AV2, V30, V40, V60 and V70.

6 1 and 2 pole only.

7 Epoxy seal standard on all terminal options.

EXAMPLES:

A232L01YW1B = DPDT toggle switch with an ON-ON-ON circuit, .840" long lever in a bright chrome finish, .350 threaded bushing, .964" long wire wrap terminals, gold/brass contacts and epoxy sealed terminals.

SPECIFICATIONS:

Contact Ratings —

Letter codes G and Q — 6 amp at 125 VAC, 3 amp @ 250 VAC (U.L. recognized, CSA certified) or 6 amp at 28 VDC resistive.

Letter codes B and G — 0.5. volt-amp (VA) maximum @ 28 V maximum (AC or DC).

Life Under Load — 60,000 make-and-break cycles — resistive load only.

Initial Contact Resistance — 10 milliohms maximum 3 VDC, 100 ma for both silver and gold plated contacts.

Insulation Resistance — 1 & 2 pole —1,000 megohms, min.
3 & 4 pole —1,000 megohms, min.

Dielectric Strength — 1,000 volts rms at sea level.

Bushing Strength — 12 pound-inches without physical damage to switch.

Weight (including hardware) — SP 0.19 oz.; DP 0.23 oz.; 3-pole 0.28 oz.; 4-pole 0.32 oz.

MATERIALS:

Base (body) — 1- and 2-pole —Diallyl Phthalate (DAP).
3- and 4-pole — high strength phenolic.

Lever (toggle) — Brass, chrome plated.

Flat Lever — Brass, satin chrome finish.

Locking lever cap — Anodized aluminum.

Bushing — Brass, nickel plated.

Clamp (frame) — Stainless steel.

Support brackets — Steel, tin plated.

Switching Contacts and Rockers —

Letter Code B — gold/nickel/brass

Letter Code G — gold/nickel/silver

Letter Code Q — Coin silver

Center Terminal

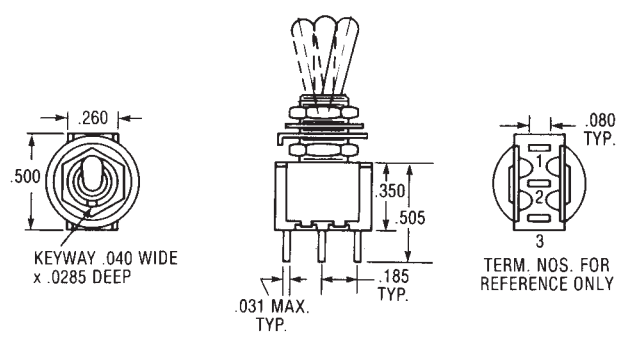
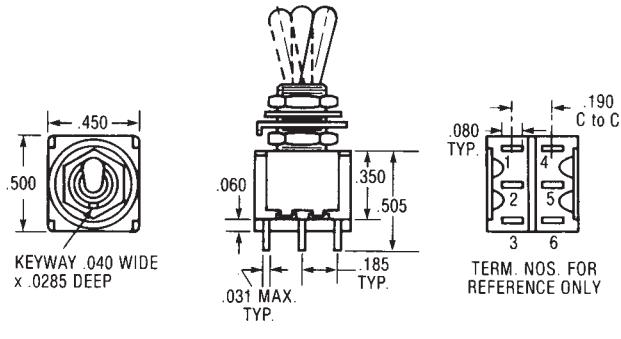
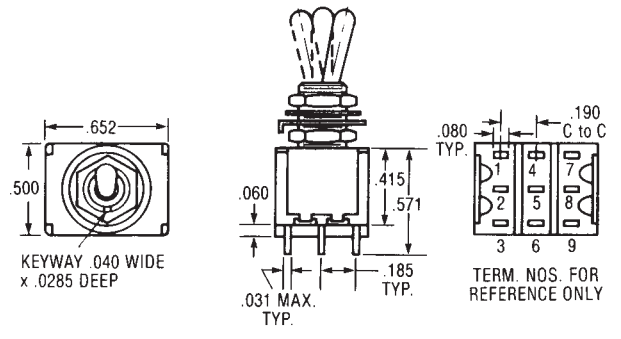
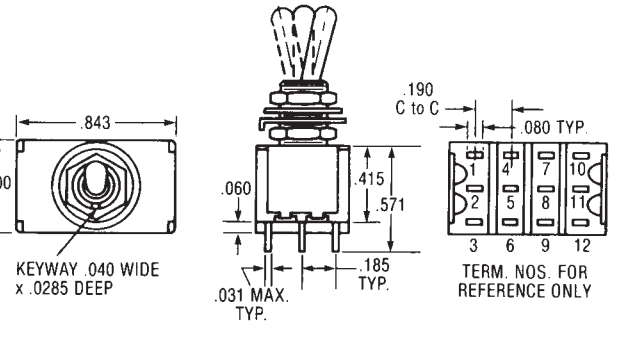
Letter Codes B, G — Gold flash/nickel/brass

Letter Code Q — Silver plated brass.

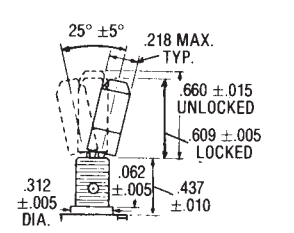
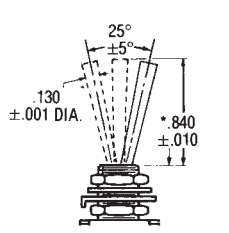
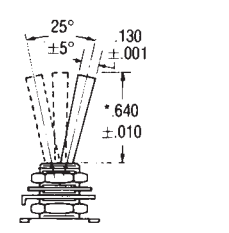
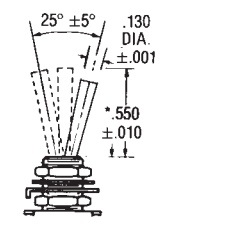
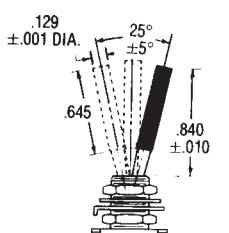
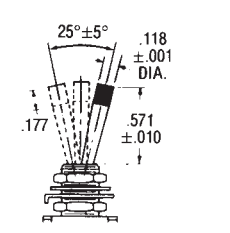
Hardware — See page 55-57.

Toggle Switches — Base Dimensions and Lever Options

APPROXIMATE BASE DIMENSIONS

 <p>KEYWAY .040 WIDE x .0285 DEEP</p> <p>ONE POLE</p>	 <p>KEYWAY .040 WIDE x .0285 DEEP</p> <p>TWO POLE</p>
 <p>KEYWAY .040 WIDE x .0285 DEEP</p> <p>THREE POLE</p>	 <p>KEYWAY .040 WIDE x .0285 DEEP</p> <p>FOUR POLE</p>

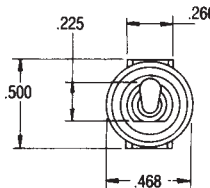
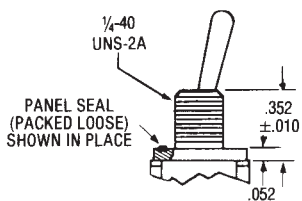
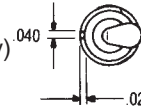
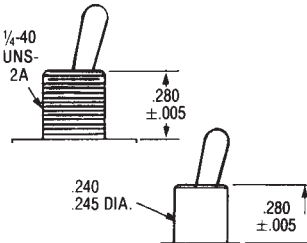
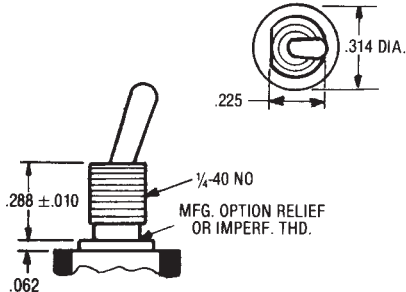
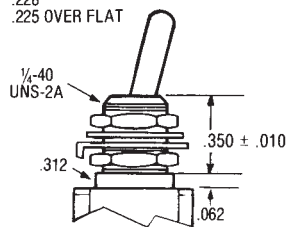
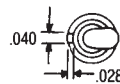
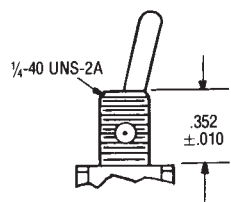
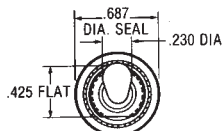
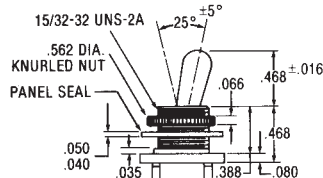
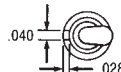
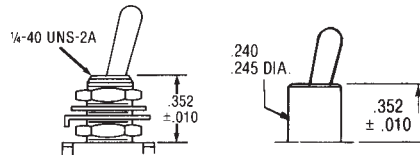
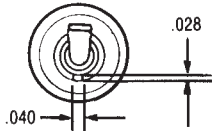
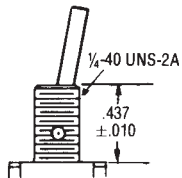
TOGGLE LEVER OPTIONS

<p>K1 Locking Lever</p> 	<p>L0 Long (.840")</p> 	<p>L1 Long (.640")</p> 
<p>L2 Long (.550")</p> 	<p>L3 Plastic (.840")</p> 	<p>L4 Plastic (.571")</p> 

Toggle Lever Options — Contd.

M Short (.200") 	P1 Flatted (.840") 	P3 Flatted (.448") 	P4 Flatted (.250")
S Std. Bat (.410") 	T Large Toggle 	T1 Large Toggle 	

BUSHING OPTIONS

CW	Splashproof Sealed Lever and Panel Seal	D D9	Threaded Smooth (No Keyway)
<p>CW = Flatted bushing</p>  		 	
H	High Torque Flatted with Shoulder	H3	High Torque
			
P	Anti-Rotation		
 			
TW	Splashproof Sealed Lever and Panel Seal	OX Y Y9	Threaded with Lever Seal Threaded Smooth (No Keyway)
 		 	
Y5	Long Bushing (.437")		
 			

K Refer to K1 lever drawing for dimensions.

T&TX Refer to T or T1 lever drawing for dimensions.

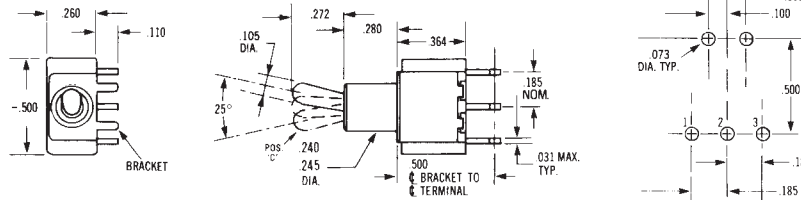
Note: For hardware refer to pages 55-57.

C Printed CIRCUIT	W Wire-Wrap	W1 Wire-Wrap	W3 Wire-Wrap	W4 Wire-Wrap	Z STANDARD	Z3 Quick CONNECT
NOTE: Wire-Wrap is a registered trademark of the Gardner-Denver Company.						

Mating Receptacle from
AMP SPECIAL IND.,
P.O. Box 984, Paoli,
Pa. 19301 Amp P/N
single piece 61454
series, strip from 60900

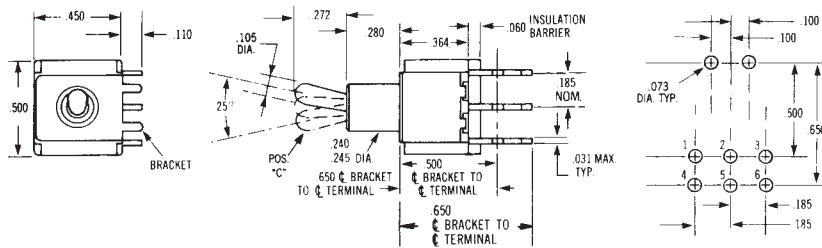
TERMINATION/MOUNTING OPTIONS

A



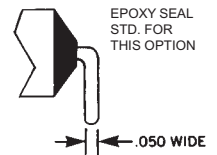
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A

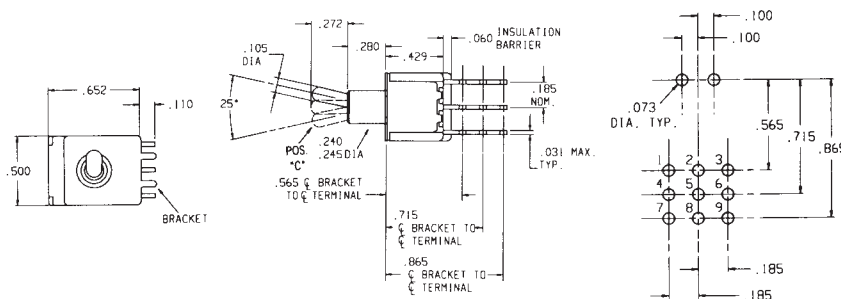


Two Pole

Right Angle P.C. Terminal

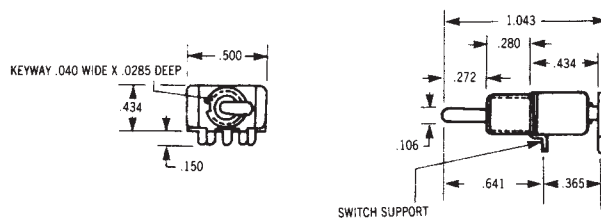


A



Three Pole

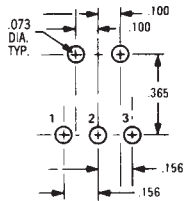
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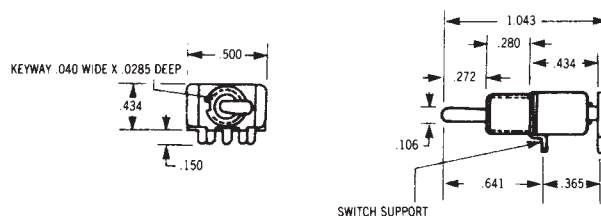
One Pole



Contacts
Make on
Opposite Side
Toggle
Thrown



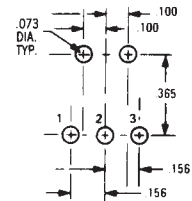
R2



One Pole

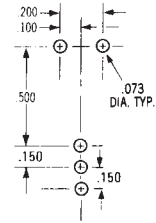
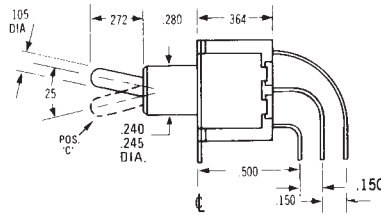
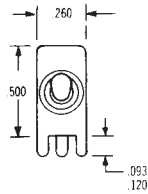


Contacts
Make on
Opposite Side
Toggle
Thrown



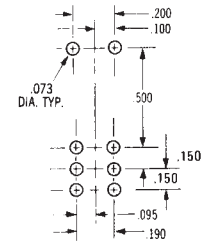
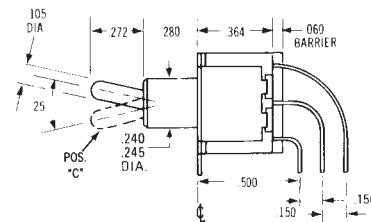
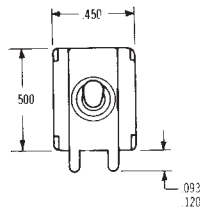
Termination/Mounting Options

AV1	w/.100" terminal spacing
AV2	w/.150" terminal spacing (pictured below)



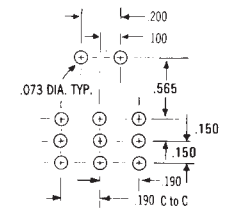
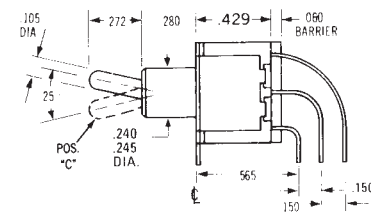
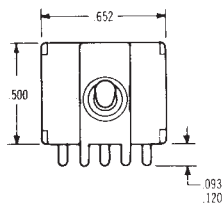
ONE POLE Epoxy sealed P.C. terminals are supplied as standard for these options.

AV1	w/.100" terminal spacing
AV2	w/.150" terminal spacing (pictured below)



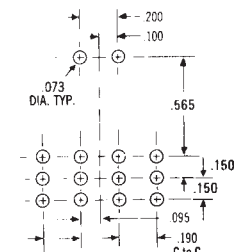
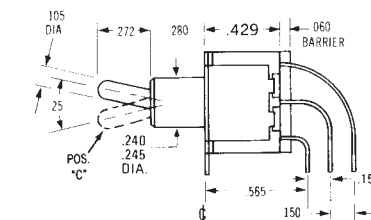
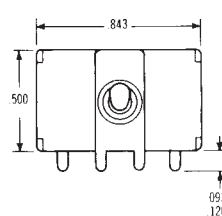
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AV	w/.100" terminal spacing
AV2	w/.150" terminal spacing (pictured below)



THREE POLE Epoxy sealed P.C. terminals are supplied as standard for these options.

AV	w/.100" terminal spacing
AV2	w/.150" terminal spacing (pictured below)



FOUR POLE Epoxy sealed P.C. terminals are supplied as standard for these options.

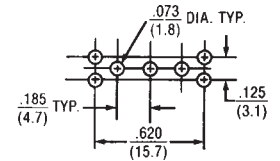
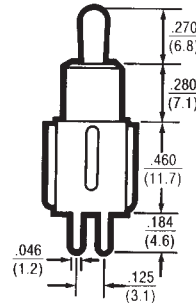
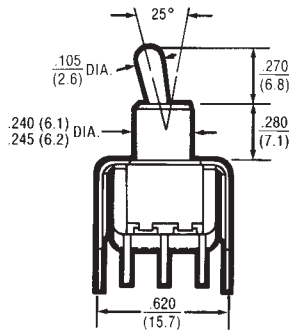
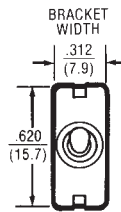
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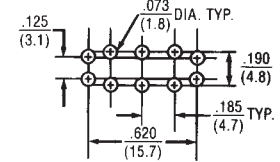
ONE POLE



TWO POLE



1 Pole P.C. Mounting



2 Pole P.C. Mounting

EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS

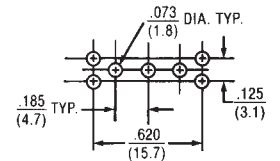
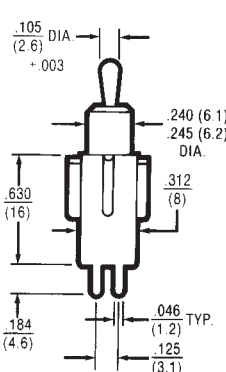
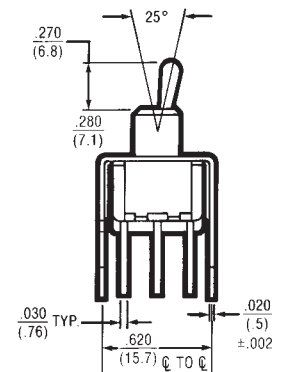
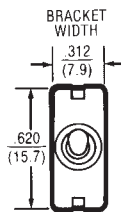
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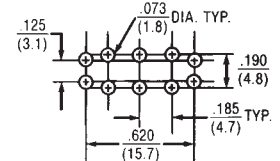
ONE POLE



TWO POLE



1 Pole P.C. Mounting



2 Pole P.C. Mounting

EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS

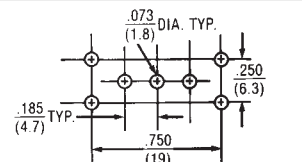
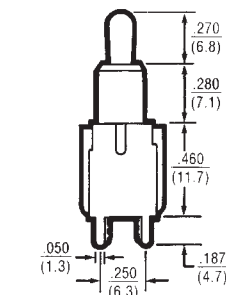
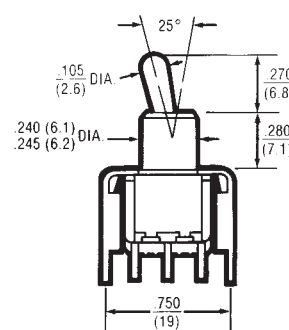
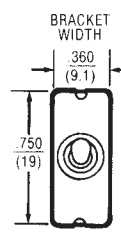
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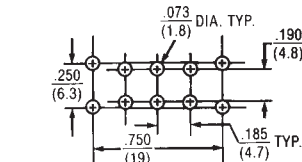
ONE POLE



TWO POLE



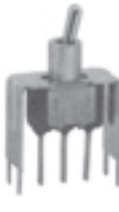
1 Pole P.C. Mounting



2 Pole P.C. Mounting

EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS

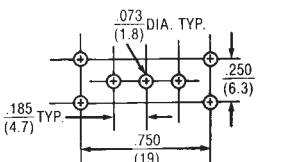
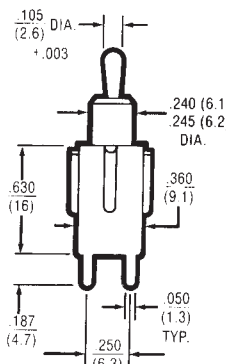
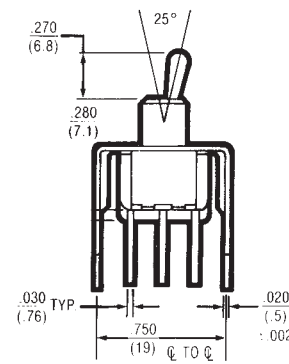
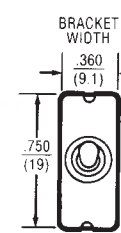
V70



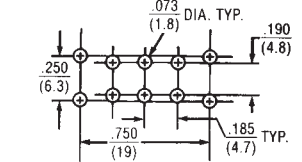
ONE POLE



TWO POLE



1 Pole P.C. Mounting



2 Pole P.C. Mounting

EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS

Mouser Electronics

Authorized Distributor

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

Electroswitch:

[A123S1YV90Q](#) [A221K22KCG](#) [A121S1D9V30Q](#) [A423K12KZB](#) [A223K22KZG](#) [A123P12YZB](#) [A123S1D9V31B](#)
[A123T11TXV61B](#) [A223T11TXV61B](#) [A121K12KCB](#) [A121P31YAV2Q](#) [A121T11TZQ](#) [A223P31YCQ](#) [A421S1DAV2B](#)
[A327S1YW4Q](#) [A123K22KV30Q](#) [A127T1TCQ](#) [A131P31Y9CQ](#) [A221P31YAV2Q](#) [A221S1YAV2Q](#) [A221T11TWV61B](#)
[A227T1TXZQ](#) [A423S1CWZG](#) [A423T1TWZG](#) [A432M1YZQ](#) [A221T11TWV60Q](#) [A127T1TV30QP](#)