

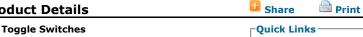
Have a Question? Chat with a Product Information Specialist

What can we help you find?

Email

Products Industries Resources About TE My Account Innovation Support Center

TT41NGPC9T1/4 Product Details



Compliance)

- Product Highlights:TT (Tiny) Series
- Four Pole Double Throw Configuration (Pole-Throw)

Always EU RoHS/ELV Compliant (Statement of

- Current Rating = 0.4 VA A
- Mount Style = Through-Hole
- Termination Type = Printed Circuit, Vertical

View all Features

Add to My Part List Request Sample Find Similar Products

Buy Product

Documentation & Additional Information

Product Drawings:

None Available

TT41NGPC9T1/4

TE Internal Number: 6-

1437562-8

Active

Catalog Pages/Data Sheets:

None Available

Product Specifications:

None Available

Application Specifications:

None Available

Instruction Sheets:

None Available

CAD Files:

None Available

Additional Information:

Pricing & AvailabilitySearch for Tooling

▶ Product Feature Selector

Contact Us About This Product

Product Line Information

Additional Product Images:

- Product Photo
- Dimensional Drawing

Related Products:

Tooling

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

Product Type Features:

- Series = TT (Tiny)
- Termination Type = Printed Circuit, Vertical
- Color = Black

Electrical Characteristics:

• Current Rating (A) = 0.4 VA

Termination Features:

Seal Type = Terminal Seal (epoxy)

Body Features:

- Mount Style = Through-Hole
- Bushing Style = Threaded
- Bushing Type = 1/4-40

Contact Features:

- Contact Plating = Gold over Nickel
- Contact Base Material = Copper Alloy

Housing Features:

- Toggle Style = Baton Long
- Toggle Length (mm [in]) = 10.40 [0.410]
- Process Sealed = No
- UL Flammability Rating = UL 94V-0

Configuration Features:

- Configuration (Pole-Throw) = Four Pole Double Throw
- Operating Function = On None On

Industry Standards:

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

Other:

Corporate Information

About TE
Investors
News Room
Supplier Portal
Careers

Terms & Conditions Privacy Policy **Quick Links**

Distributor Inventory
Product Cross Reference
Documents & Drawings

Product Compliance Support Center

Site Map

Customer Support

Email or Chat With Us Find a Phone Number Knowledge Base Manage Your Account

Keep Me Informed





© 2013 Tyco Electronics Corporation, a TE Connectivity Ltd. company. All Rights Reserved [+] Provide Website Feedback

ALL RIGHTS RESERVED.

D OO P LTR DESCRIPTION DATE		DIST			REVISIONS		_
	D 00		P	LTR	DESCRIPTION	DATE	Т
I I DA I DEVICED DED ECO 11 OGEEEG 1 ()/MAD1:				D4	REVISED PER ECO-11-005556	07MAR11	1

TOGGLE SWITCH, MTG SERIES VERTICAL MOUNT

SCALE 2:1 SHEET 1 OF 3 REV D4

SIZE CAGE CODE DRAWING NO

(1 00779 **C-**1-1437559-1

	<u>Materials</u>								
No.	. Component name	Base material	Finish						
1	Housing	High Temp., UL 94V-0, green							
2	End terminal	silver clad copper alloy	5 microinches min. gold						
3	Center terminal	copper alloy	5 microinches min. gold						
4	Rocker contact	silver clad copper alloy	5 microinches min. gold						
5	Actuator	Phenol resin, UL94 HB, black							
6	Plunger	stainless steel							
7	Spring	music wire							
8	Toggle	brass	chrome or Nickel						
9	Retainer	Polyamide, UL94 HB, black							
10	Frame	cold rolled steel	zinc or Nickel						
11	Bushing	brass	100 microinches min. nickel over 10 microinches min. copper						
12		brass	200 microinches min. bright nickel						
13	Locating ring	cold rolled steel	zinc or Nickel						
14	Internal tooth lockwasher	steel	zinc or Nickel						

9
8 7 12 14 13 11 6 5 1

NOT TO SCALE

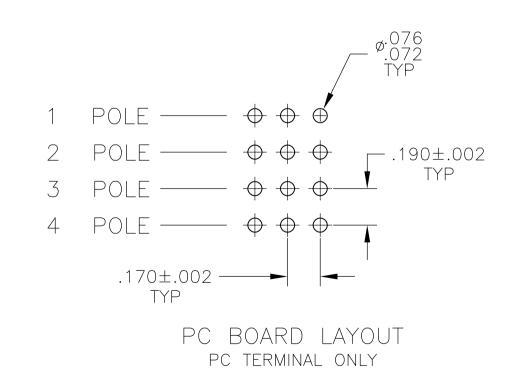
0 PLC ± -1 PLC ± -2 PLC ± -3 PLC ± .005 4 PLC ± -ANGLES ± -

APPLICATION SPEC

CUSTOMER DRAWING

	Specifications—see note 3			
Current rating UL & CS	A 6A @ 125 VAC (resistive)			
	3A @ 250 VAC (resistive)			
	4A @ 28 VDC (resistive)			
Termination resistance	20 milliohms max @ 2-4 VDC, 1/	4		
Insulation resistance	1,000 megohms min.			
Withstanding voltage	1,000 VAC			
Travel	24 + /-6 degrees			
Actuation force	.05 to 1.5 kgf			
Operating temperature	-20C to $+85C$			
Storage temperature	-40C to +85C			
Contact timing	break before make			
Terminal seal	epoxy or insert molded			
Durability	Parameter	2 Position	3 Position	Momentary
	mechanical (no load)	150,000	100,000	80,000
	250 VAC (3A resistive)	80,000	60,000	60,000
	125 VAC (6A resistive)	80,000	60,000	60,000
	28 VDC (4A resistive)	60,000	50,000	40,000

RECOMMENDED	HOLE LAYOUT
TO PREVENT ROTATION	TO PREVENT ROTATION
- \$\psi \frac{472}{468}\$ + \$\begin{array}{c} .443 \\ .440 \\ \ \ \ \ \ .065 \\ .060 \end{array}\$.365 .345 .345 .325



1. TERMINAL NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON THE SWITCHES.
2. EACH SWITCH SUPPLIED WITH THE FOLLOWING MOUNTING HARDWARE:

- (2) 15/32-32 UNS-2B HEX NUTS
 (1) INTERNAL TOOTH LOCKWASHER
 (1) LOCATING RING

5.	WIRE LUG CONTACTS WILL ACCEPT 2 #20 AWG SOLID OR STRANDED WIRES.
	CUSTOMER INSTALLED EXTERNAL JUMPER BETWEEN TERMINALS 2 AND 4 REQUIRED FOR 1 POLE 3 THROW FUNCTION.
Ο.	COSTOMEN INSTALLED EXTENSIVE COMMENTALS 2 AND 4 NEGOTILE FOR THOSE TONOTION.

0.	COSTONLIN	- 1
7	OBSOLETE	

Part Number	Alco Model	Poles	Throws	Function	Terminal	A	ALCO 3 2 1 6 5 4 9 8 7 12 11 10	3 2 1 6 5 4 9 8 7 12 11 10	ALCO 3 2 1 6 5 4 9 8 7 12 11 10	Comments	
3-1437559-2	MTG406P	4	2	ON OFF ON	Wire lug	.453	2-3, 5-6, 8-9, 11-12	Off	2-1, 5-4, 8-7, 11-10		1
3-1437559-3		4	2	ON ON	Wire lug	.685	2-3, 5-6, 8-9, 11-12		2-1, 5-4, 8-7, 11-10		
3-1437559-1	MTG406N	4	2	ON ON	Wire lug	.453	2-3, 5-6, 8-9, 11-12		2-1, 5-4, 8-7, 11-10		1
2-1437559-9	MTG306E	3	2	ON OFF ON	Wire lug	.453	2-3, 5-6, 8-9	Off	2-1, 5-4, 8-7		1
3-1437559-0	MTG326D	3	2	ON ON	Wire lug	.685	2-3, 5-6, 8-9		2-1, 5-4, 8-7		
2-1437559-8	MTG306D	3	2	ON ON	Wire lug	.453	2-3, 5-6, 8-9		2-1, 5-4, 8-7		1
2-1437559-7	MTG226PA	1	3	ON ON ON	Wire lug	.685	5-6	5-3	5-1	note 6	
2-1437559-6	MTG226P	2	2	ON OFF ON	Wire lug	.685	2-3, 5-6	Off	2-1, 5-4		1
2-1437559-5	MTG226N	2	2	ON ON	Wire lug	.685	2-3, 5-6		2-1, 5-4		
2-1437559-4	MTG206T	2	2	ON OFF(ON)	Wire lug	.453	2-3, 5-6	Off	2-1, 5-4		
2-1437559-3	MTG206S	2	2	(ON) OFF (ON)	Wire lug	.453	2-3, 5-6	Off	2-1, 5-4		
2-1437559-2	MTG206R	2	2	ON (ON)	Wire lug	.453	2-3, 5-6		2-1, 5-4		
2-1437559-1	MTG206PA	1	3	ON ON ON	Wire lug	.453	5-6	5-3	5-1	note 6	
2-1437559-0	MTG206P	2	2	ON OFF ON	Wire lug	.453	2-3, 5-6	Off	2-1, 5-4		
1-1437559-9	MTG206NPC	2	2	ON ON	PC	.453	2-3, 5-6		2-1, 5-4		
1-1437559-8	MTG206N	2	2	ON ON	Wire lug	.453	2-3, 5-6		2-1, 5-4		
1-1437559-0	MTG126G	1	2	(ON) OFF (ON)	Wire lug	.685	2-3	Off	2-1		
1-1437559-7	MTG126E	1	2	ON OFF ON	Wire lug	.685	2-3	Off	2-1		
1-1437559-6	MTG126D	1	2	ON ON	Wire lug	.685	2-3		2-1		
1-1437559-5	MTG106H	1	2	ON OFF(ON)	Wire lug	.453	2-3	Off	2-1		
1-1437559-4	MTG106G	1	2	(ON) OFF (ON)	Wire lug	.453	2-3	Off	2-1		
1-1437559-3	MTG106F	1	2	ON (ON)	Wire lug	.453	2-3		2-1		
1-1437559-2		1	2	ON OFF ON	Wire lug	.453	2-3	Off	2-1		^
1-1437559-1	MTG106D	1	2	ON ON	Wire lug	.453	2-3		2-1] ^
							THIS DRAWING IS A CONTROLLED DOCUME	CHK	29DEC03 29DEC03 TE	E Connectivity	
							DIMENSIONS: TOLERANCES UNLESS	M.ZITTO			

4805 (3/11)

