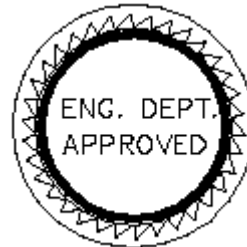


OUTLINE OF CHANGES ON THE DOCUMENT				
Version	Description	Page of modification	Issue by	Issue date
A	First released	-	Amy	2005.03.18
B	Adding Soldering data	2	Amy	2005.06.20
C	RoHS Compliant	3	Amy	2006.06.30

**SPECIFICATION FOR DIP SWITCH**

ATTENTION	
<p><i>Customer shall acknowledge the datasheet by returning "this cover page with authorized signature" before placing order. Lack of acknowledgement or additional response constitutes acceptance of the herein contents.</i></p> <p>下單前請將此份"規格書封面簽回",未簽回則視為承認本規格書內容.</p>	
<b>Approved By</b>	<b>Entered Date</b>



**CUSTOMER:** \_\_\_\_\_  
**PART NO.:** \_\_\_\_\_  
**TAIWAY P/N:** DP10-DA-03T-58  
**DATE OF ISSUE:** 2017 Aug. 10  
**ISSUE BY:** Amy Yen  
**APPROVED BY:** Amy Yen

# TAIWAY ELECTRONICS COMPONENTS CO., LTD.

## DA-58 SPECIFICATION

**File No.:**

**DA-58**

**Rev.: C**

**Page: 3 pages**

### General

Following provides general product characteristics for Dip Switch. Features include the switch is slide of one body type with raised actuator and that each pole is parallel and it is constituted by one moving contact and two gold plated terminals.

ELECTRICAL CHARACTERISTICS	CONTACT RATING:	On switching rating DC24V 25mA Non switching rating DC50V 100mA
	ELECTRICAL LIFE:	2000 cycles @ DC24V 25mA
	CONTACT RESISTANCE:	50m-ohms max. at initial 100m-ohms max. after life test
	INSULATION RESISTANCE:	To be measured with an insulation measuring device of 500VDC between all the terminals and between the terminals and the frame for 1 minute $\pm$ 5 seconds. Min. 100M-ohms
	DIELECTRICAL STRENGTH:	AC 500V (50~60Hz) being applied between all the adjacent terminals and between the terminal and frame for 1 minute. There shall be no flashover
	OPERATING TEMPERATURE:	-25celsius degree to 70celsius degree
	STORAGE TEMPERATURE:	-40celsius degree to 85celsius degree
	SWITCH CAPACITANCE:	To measured with frequency 1MHz $\pm$ 10KHz applied between adjacent terminal and circuit. Max. 5pF
	CIRCUIT:	Single pole single throw
MECHANICAL CHARACTERISTICS	OPERATING FORCE:	800gf max.
	Mechanical LIFE:	2000 operations
	STROKE	2.00mm

# TAIWAY ELECTRONICS COMPONENTS CO., LTD.

## DA-58 SPECIFICATION

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MECHANICAL CHARACTERISTICS	VIBRATION TEST:	<p>Range of vibration: 10~55Hz                  Standard: MIL-STD-202F Method 201A                  The proportion of vibration: 10~55~10 Hz approx. 1 minute                  The directions: 3 vertical directions including operating direction                  Duration: 2 hrs each (total 6 hrs)</p>
	IMPACT SHOCK:	<p>Measurements shall be made following the test set forth below:                  Acceleration: 50G                  Action time: 11±1m sec                  Standard: MIL-STD-202F Method 213B Condition A                  Cycle test: 3 cycles each in 6 directions, for a total of 18 cycles.</p>
	HAND SOLDERING:	<p>Keep the switch in the "OFF" position before proceeding the process. Do not operate the switch while soldering.</p> <p>Use a soldering iron of 30 watts or less and controlled at 320 Celsius degree (608F), approx. 2 seconds while applying solder</p>
	WAVE SOLDERING:	<p>Keep the switch in the "OFF" position before proceeding the process. Do not operate the switch while soldering.</p> <p>Recommended soldering temperature at 260 Celsius degree (500F) for max. 5 seconds</p>
	FLUX CLEANING:	<p>Keep the switch in the "OFF" position before proceeding the process. Do not operate the switch while cleaning.</p> <p>Solvent: Fluorine or Alcohol type                  Clean process shall be made when terminal temperature falls to 90 Celsius degree or lower or leave the switch at normal room temperature for 5 minutes or longer before cleaning                  Do not apply ultrasonic cleaning on the switch</p>

# TAIWAY ELECTRONICS COMPONENTS CO., LTD.

## DA-58 SPECIFICATION

**File No.:**

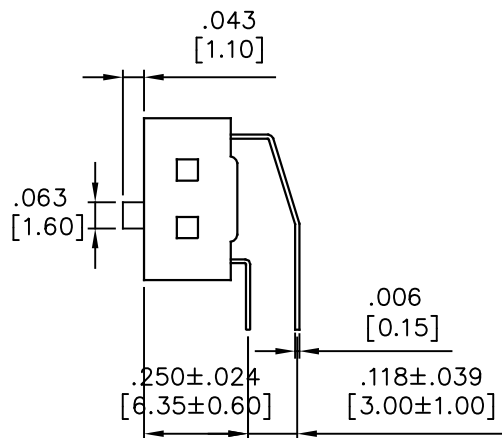
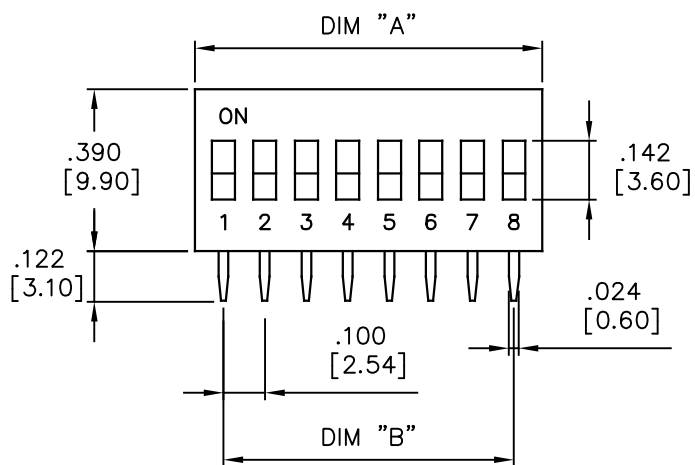
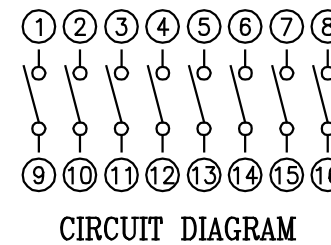
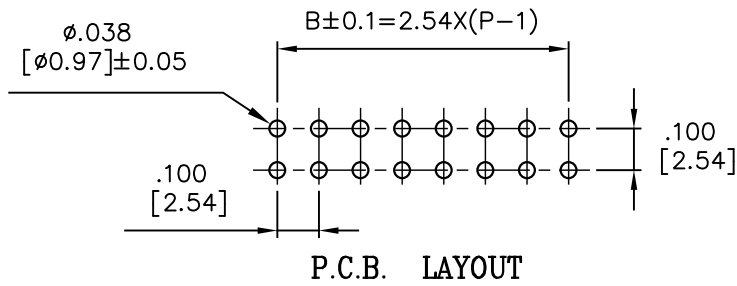
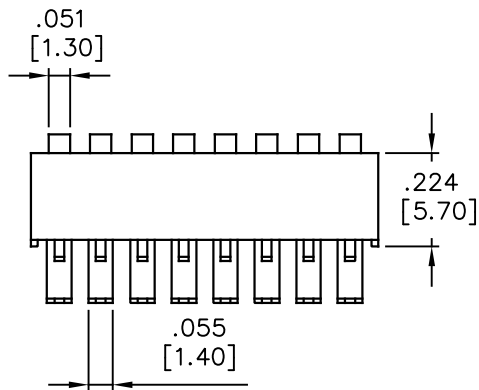
**DA-58**

**Rev.: C**

**Page: 3 pages**

RELIABILITY	COLD TEST:	Switch for testing being kept in the conditions at $-40\pm 3$ Celsius degree in temperature for 96 hrs. Afterwards, the switch shall be left in a normal ambient condition for 1 hr then to be measured within 1 hr. Drop of water must be taken away. There shall be no defect in appearance or in the mechanical functions
	HEAT TEST:	Switch for testing being kept in the conditions at $85\pm 2$ Celsius degree in temperature for 96 hrs. Afterwards, the switch shall be left in a normal ambient condition for 1 hr then to be measured within 1 hr. There shall be no defect in appearance or in the mechanical functions
	HUMIDITY TEST:	Switch for testing being kept in the conditions at $40\pm 2$ Celsius degree in temperature and 90~95%RH for 96 hrs. Afterwards the switch shall be left in a normal ambient condition for 1 hr then to be measured within 1 hr. There shall be no defect in appearance or in the mechanical functions
PACKAGE	All dip switches are shipped in standard IC tubes with all poles in "OFF" position	
	RoHS IDENTIFICATIONS:	A label marking "RoHS compliant" will be attached to the smallest quantity package or carton box

REV. 更改	DESCRIPTION 說明	ENG. 修改人	APPROVE 審核



**SPECIFICATIONS:**

- 1.ELECTRICAL LIFE: 2,000cycles per switch 24VDC 25mA.
- 2.NON-SWITCHING RATING: 100ma 50VDC.
- 3.SWITCHING RATING: 25mA, 24VDC.
- 4.CONTACT RESISTANCE: 50m-ohms max @ initial.  
100m-ohms max after life test.
- 5.INSULATION RESISTANCE: 100M-ohms min @ 500VDC.
- 6.DIELECTRIC STRENGTH: 500VAC/1minute.
- 7.CAPACITANCE: 50pF max.
- 8.OPERATION FORCE: 800gf max.
- 9.STROKE: 2.0mm.
- 10.OPERATING TEMP.: -25°C to 70°C.
- 11.WAVE SOLDERING: Temperature @ 500F(260°C)max @ 5sec.
- 12.HAND SOLDERING: Soldering iron of 30watts @ 608F(320°C) for approx. 2sec while applying solder.
- 13.CIRCUIT: SPST.
- 14.ITEM NO."T": Top tape seal

NO. "X"	DIM "A"	DIM "B"
DA-02	6.08(.239)	2.54(.100)
DA-03	8.92(.351)	5.08(.200)
DA-04	11.16(.439)	7.62(.300)
DA-05	13.70(.539)	10.16(.400)
DA-06	16.24(.639)	12.70(.500)
DA-07	19.08(.751)	15.24(.600)
DA-08	21.32(.839)	17.78(.700)
DA-09	24.16(.951)	20.32(.800)
DA-10	26.40(1.039)	22.86(.900)
DA-12	31.48(1.239)	27.94(1.100)

ITEM NO. 料號	DP10-DA-xT-58
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGULAR TOLERANCE: ±1.0°

DIMENSIONS	TOLERANCE
0.00 TO 10.00mm	±0.20mm
10.01 TO 20.00mm	±0.25mm
20.01 TO 30.00mm	±0.30mm
30.01	±0.40mm

<b>泰 瑋 電 子 有 限 公 司</b> TAIWAY ELECTRONICS COMPONENTS CO.,LTD.			
USED 用途	DP10	APPD. 審核	Amy 2014/05/07
FINISH 處理		CHKD. 校對	Amy 2014/05/07
SCALE 比例	2 / 1	UNIT 單位	in(mm)
DR.	製圖	Amy 2014/05/07	
TITLE 名稱	DIP SWITCH		
DWG NO. 圖號	DP10-DA-xT-58		SIZE 圖紙
FILE NAME 檔案名稱	DP10-DA-xT-58.dwg	SHEET 張	1 / 1
REV. 更改		REV. 更改	1