

OUTLINE OF CHANGES ON THE DOCUMENT				
Version	Description	Page of modification	Issue by	Issue date
A	First released	-	Amy	2010.01.05

SPECIFICATION FOR POWER ROCKER 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>	
Approved By	Entered Date



CUSTOMER:	_____
PART NO.:	_____
TAIWAY P/N:	R19U-R112A-B-8-B-M2
DATE OF ISSUE:	2010 Sep. 16
ISSUE BY:	Amy Yen
APPROVED BY:	Amy Yen

TAIWAY ELECTRONICS COMPONENTS CO., LTD.

R19U-R112 SERIES SPECIFICATION

File No.:
R19U-R112

Rev.: A

Page: 2 pages

ELECTRICAL CHARACTERISTICS	CONTACT RATING:	On switching rating 3A 250VAC, 6A 125VAC (UL & CUL), 3A 250VAC (VDE)
	CIRCUITRY	R112A:SPST ON-OFF R112B:SPST ON-OFF Illuminated (200-250VAC)
	ELECTRICAL LIFE:	10,000 make and break cycles at 3A 250VAC
	CONTACT RESISTANCE:	To be measured with Dc5V 1A. Applying a static load to the center of the stem. Max. 20m-ohms
	INSULATION RESISTANCE:	To be measured with an insulation measuring device of 500VDC between terminals of open contacts and between terminals of opposite polarity for 1 minute ± 5 seconds. Min. 100M-ohms
	DIELECTRICAL STRENGTH:	AC 1,000V (50~60Hz 2mA current) being applied between terminals of open contacts and between terminals of opposite polarity and between terminals and frame for 1 minute. There shall be no flashover or arcing
	OPERATING TEMPERATURE:	-20celsius degree to +85celsius degree
	STORAGE TEMPERATURE:	0celsius degree to 55celsius degree
MECHANICAL CHARACTERISTICS	SWITCH TYPE:	Ultraminiature
	MECHANICAL LIFE:	Min. 50,000 cycles without load
	OPERATING FORCE:	400gf +/- 200gf
	SOLDERING TEMPERATURE:	Wave soldering temperature at 260+/-5 Celsius degree for max. 5+/-1 sec. For hand soldering, temperature is at 350+/-5 Celsius degree with a 60W iron head within 3sec. Please note do not apply soldering iron directly on the terminals when soldering.
RELIABILITY	COLD TEST:	Switch for testing being kept in the conditions at -40 ± 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. Drop of water must be taken away. There shall be no defect in appearance or in the mechanical functions. Contact resistance 20m-ohms max.

TAIWAY ELECTRONICS COMPONENTS CO., LTD.

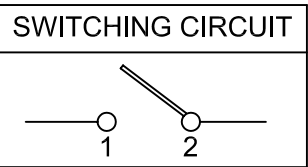
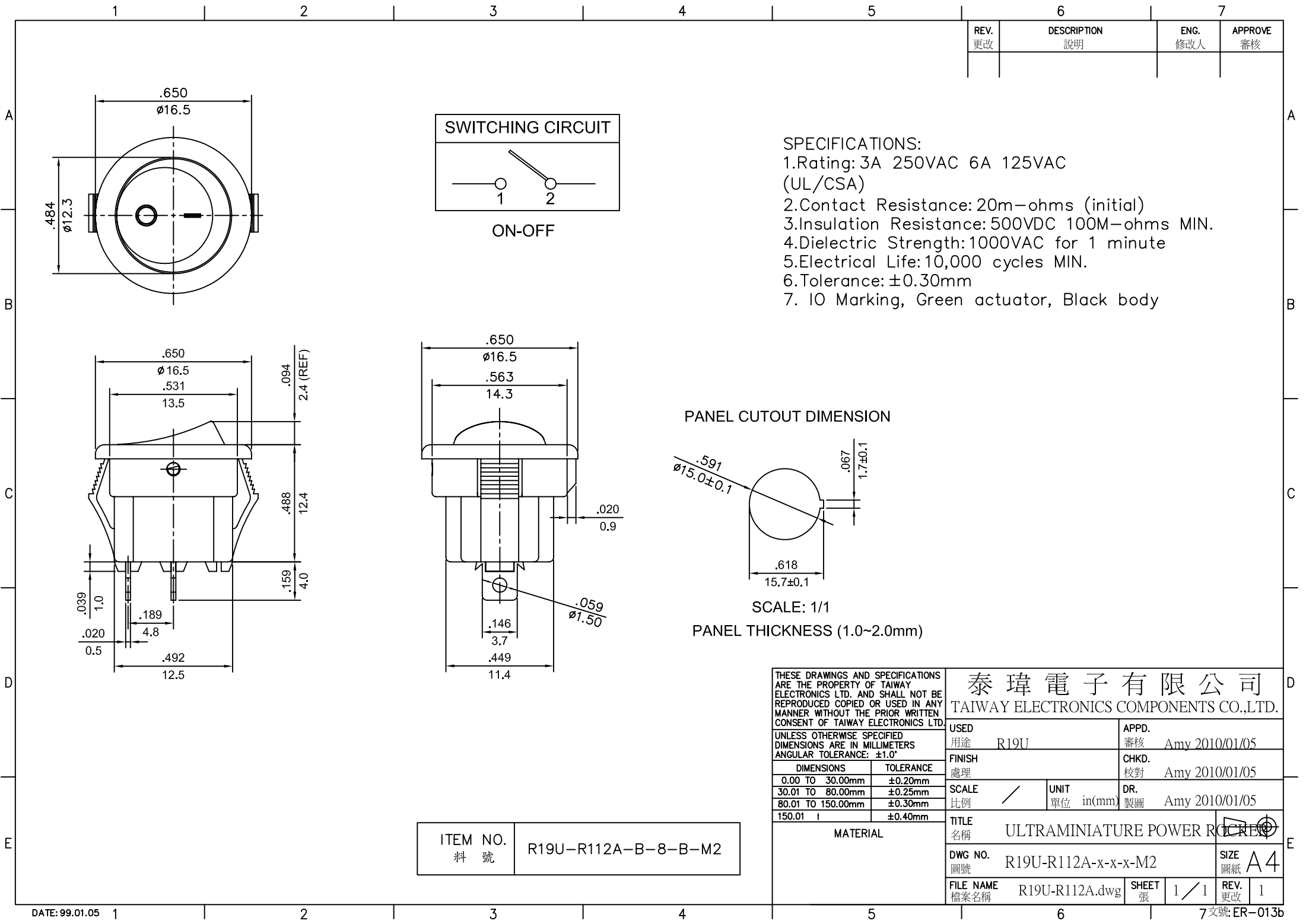
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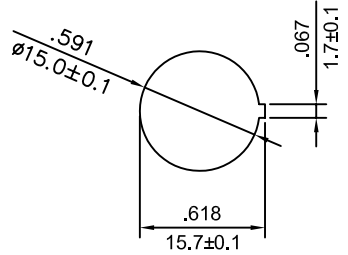
RELIABILITY	HEAT TEST:	Switch for testing being kept in the conditions at 85±2 Celsius degree in temperature for 96 hrs. Afterwards, the switch shall be left in a normal ambient condition for 1 hr then to be measured within 1 hr. There shall be no defect in appearance or in the mechanical functions. Contact resistance 20m-ohms max.			
	HUMIDITY TEST:	Switch for testing being kept in the conditions at 40±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. Contact resistance 20m-ohms max.			
	SALT-SPRAY TEST:	Stored at temperature @ 35(+/-2) Celsius degree, and salt solution concentration of 5% with full air temperature @ 47(+/-3) Celsius degree and air pressure 1.0kg for 24 hrs. The switch shall result no corrosion as well as no apparent changes to its mechanical functions. Contact resistance 20m-ohms max.			
MATERIAL CHARACTERISTICS	ROCKER:	PA66 or PC, UL 94V-2 rated Color options:			
		1	2	6	8
		White	Black (std.)	Red	Green
	HOUSING:	PA66, UL 94V-2 rated Color options:			
		A	B		
		White	Black (std.)		
PACKAGE	SPRING:	Piano wire			
	CONTACT:	Silver alloy			
	TERMINAL:	Copper alloy, silver plated			
	RoHS IDENTIFICATIONS:	A label marking "RoHS compliant" will be attached to the carton box or the smallest quantity package.			



ON-OFF

- SPECIFICATIONS:
- 1.Rating: 3A 250VAC 6A 125VAC (UL/CSA)
 - 2.Contact Resistance: 20m-ohms (initial)
 - 3.Insulation Resistance: 500VDC 100M-ohms MIN.
 - 4.Dielectric Strength: 1000VAC for 1 minute
 - 5.Electrical Life: 10,000 cycles MIN.
 - 6.Tolerance: $\pm 0.30\text{mm}$
 - 7. IO Marking, Green actuator, Black body

PANEL CUTOUT DIMENSION



SCALE: 1/1

PANEL THICKNESS (1.0~2.0mm)

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				TAIWAY ELECTRONICS COMPONENTS CO.,LTD.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGULAR TOLERANCE: ±1.0°				USED 用途 R19U		APPD. 審核 Amy 2010/01/05	
				FINISH 處理		CHKD. 校對 Amy 2010/01/05	
DIMENSIONS		TOLERANCE		SCALE 比例		UNIT 單位 in(mm)	
0.00 TO 30.00mm		±0.20mm		/		DR. 製圖 Amy 2010/01/05	
30.01 TO 80.00mm		±0.25mm					
80.01 TO 150.00mm		±0.30mm					
150.01		±0.40mm					
MATERIAL				TITLE 名稱		ULTRAMINIATURE POWER ROCKER SWITCH	
				DWG NO. 圖號		R19U-R112A-x-x-x-M2	
				FILE NAME 檔案名稱		SHEET 張	
				R19U-R112A.dwg		1 / 1	
						REV. 更改	
						1	

ITEM NO. 料號	R19U-R112A-B-8-B-M2
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