

瑞澤電子在電子零件產業領域已有數十年經驗,坐落在桃園市 中壢區,研發製造各項電子開關、連接器及其精密模具的開發、 設計,為專業電子零組件的製造商及通路商。

瑞澤電子提供世界級的研發能力及製程技術給全球的客戶,我們 將顧客滿意度為優先,以良好的服務、優良的品質、準確、快速 的交貨時程及創新的研發能力滿足客戶需求,不斷強化專業的技 術服務及提供優化的電子零組件方案,也代理各大廠牌電子零件 產品,共同開發國際市場,提供客戶更多元的選擇。

瑞澤電子以永續經營為目標,並將企業經營成果回饋給社會,善 盡企業應盡之社會責任。 Horustech Electronics Co.,Ltd. has the experience in the field of electronic components industry more than 10 years. Our parent company-Lizard Precision Industrial Co., Ltd was Founded in Apr. 2003 located in Bade district, Taoyuan City, Taiwan and specializes in research and development, manufacturing of precision tooling for various electronic components.

In order to offer further services to customers, global sales headquarter-Horustech Electronics Co., Ltd. was established in Feb. 2011 located in Zhongli, Taiwan which is a professional manufacturer and distributor of various electronic switches, connectors, variable potentiometer and related components can be widely applied to household, communication, automobile, electronic & medical equipment and other electronic applications.

Horustech Electronics Co., Ltd. is responsible to expand continuously our product lines to provide a complete solution and rapid delivery schedule, best quality and service, Innovative and technical capability for our customers to fulfill the fast changing market's demand, we also expect to be one of global and best suppliers for electric components.

Line Cards





Switch

LED Tact Switch	L01
Tact Switch	T01
DIP Switch	D01
Slide Switch	S01
Rotary Switch	R01
Push Switch	P01
Micro Switch	M01
Rocker Switch	K01
Detector Switch	E01
Intrusion Switch	I01

Connector

SD Card	C01
Micro SD Card	C02
SIM Card	C03
LAN	C04
HDMI	C05
USB	C06
Micro USB	C07
DC Jack	C08
Phone Jack	C09
Туре с	C10

LED Tact Switch

Series	APTLV01	APTLH01
Apprance	i i i i i i i i i i i i i i i i i i i	F
Dimension	Dimension 7.2 x 6.2 7.2 x	
Features	Full Color	Full Color
Page	L01~L02	L01~L02

Tact Switch

Series	TAVPGM03	TAVPGP01	TAVPDP01	TAVPDM04	TAHPDP10
Apprance				*	
Dimension	12.0 x 12.0 x H	12.0 x 12.0 x H	6.0 x 6.0 x H	6.0 x 6.0 x H	6.0 x 6.0 x H
Features	Wide	Wide	Standard	Standard	Standard
Page	T01~T02	T03~T04	T05~T06	T07~T08	T09~T10
Series	TAHPDP11	TAHPDP19	TAVPCM01 TAVPCP02	TAHPCP03	TAVPEP07
Apprance	æ,				
Dimension	6.0 x 6.0 x H	6.0 x 6.0 x H	4.5 x 4.5 x H	4.5 x 4.5 x H	6.2 x 6.2 x H
Features	Bracket	Standard	Sub-Miniature	Sub-Miniature	Miniature
Page	T11~T12	T13~T14	T15~T16	T17~T18	T19~T20
Series	TAVPEM05	TAVPEJ10 TAVPEM11	TAVPEU01 TAVPEF02	TAVPDU21	TAHPDM03
Apprance			~		
Dimension	6.2 x 6.2 x H	6.2 x 6.2 x H	6.2 x 6.2 x H	6.0 x 6.0 x 5.0	6.2 x 6.2 x H
Features	Miniature	Miniature	Miniature	Long Travel	Side Push
Page	T21~T22	T23~T24	T25~T26	T27~T28	T29~T30
Series	TAVPCF19 / TAVPCU18 TAVPCM16	TAVPCM15 TAVPCU11	TAVPBP06 / TAVPBF09 TAVPBU10	TAVPBF18 TAVPBU19	TAVPBF22
Apprance	Ŷ				
Dimension	5.0 x 5.0 x 1.5	5.0 x 5.0 x 0.8	6.0 x 3.7 x 4.3	6.0 x 3.7 x 2.5	6.0 x 3.7 x 2.6
Features	Ultra Subminiature	Ultra Subminiature	Standard 2 Pin	Miniature 2 Pin	Normal Close
Page	T31~T32	T33~T34	T35~T36	T37~T38	T39~T40

Tact Switch

Series	TAHPBM02 TAHPAM04	TAHPAM21 TAHPAM31	TAHPAM16 TAHPAM161	TAHPAM12	TAVPAU10 TAVPAF11
Apprance					S
Dimension	7.0 x 3.5 x 3.5	4.6 x 3.5 x 1.8	6.1 x 3.5	4.5 x 3.3	3.2 x 4.2 x 2.5
Features	Side Push	Tiny Side Push	Midmount	Reflow_RA	Sub-miniature
Page	T41~T42	T43~T44	T45~T46	T47~T48	T49~T50
Series	TAHPAU13 / TAHPAF14 TAVPAU23 / TAVPAF24	TAHPAU08 / TAHPAF09 TAVPAU07 / TAVPAF06	TAHPAF01 TAVPAF02	TAVPAF03	TAHPBF26
Apprance					
Dimension	4.7 x 3.5	3.9 x 2.9	3.5 x 3.0	3.3 x 3.3 x 1.5	6.0 x 4.0 x 1.8
Features	Mini Type	Mini Type	Mini Type	Mini Type	Sub-miniature
Page	T51~T52	T53~T54	T55~T56	T57~T58	T59~T60
Series	TAHP73	TAHPBP07 TAHPBP04	TAVPJP15	TAVPJP13	TAVPJM17
Apprance		×.			
Apprance Dimension	7.3 × 8.0 × 9.6	7.5 x 6.0	12.0 x 12.0 x 6.5	6.0 x 6.0 x 4.3	6.0 x 6.0 x 4.3
Apprance Dimension Features	7.3 x 8.0 x 9.6 Double Stem	7.5 x 6.0 Standard 2 Pin	12.0 x 12.0 x 6.5 Waterproof	6.0 x 6.0 x 4.3 Waterproof	6.0 x 6.0 x 4.3 Waterproof
Apprance Dimension Features Page	7.3 x 8.0 x 9.6 Double Stem T61~T62	7.5 x 6.0 Standard 2 Pin T63~T64	12.0 x 12.0 x 6.5 Waterproof T65~T66	6.0 x 6.0 x 4.3 Waterproof T67~T68	6.0 x 6.0 x 4.3 Waterproof T69~T70
Apprance Dimension Features Page Series	7.3 x 8.0 x 9.6 Double Stem T61~T62 TAVPCU13	7.5 x 6.0 Standard 2 Pin T63~T64 TAVPCM09	12.0 x 12.0 x 6.5 Waterproof T65~T66 TAVPAU22	6.0 x 6.0 x 4.3 Waterproof T67~T68 TAVPAU19	6.0 x 6.0 x 4.3 Waterproof T69~T70 TAVPAU25
Apprance Dimension Features Page Series Apprance	7.3 x 8.0 x 9.6 Double Stem T61~T62 TAVPCU13	7.5 x 6.0 Standard 2 Pin T63~T64 TAVPCM09		6.0 x 6.0 x 4.3 Waterproof T67~T68 TAVPAU19	6.0 x 6.0 x 4.3 Waterproof T69~T70 TAVPAU25
Apprance Dimension Features Page Series Apprance Dimension	7.3 x 8.0 x 9.6 Double Stem T61~T62 TAVPCU13 4.8 x 4.8 x 0.55	7.5 x 6.0 Standard 2 Pin T63~T64 TAVPCM09 Image: Constraint of the second	12.0 x 12.0 x 6.5 Waterproof T65~T66 TAVPAU22 3.7 x 3.7 x 0.35	6.0 x 6.0 x 4.3 Waterproof T67~T68 TAVPAU19 000000000000000000000000000000000000	6.0 x 6.0 x 4.3 Waterproof T69~T70 TAVPAU25 3.0 x 2.0 x 0.7
Apprance Dimension Features Page Series Apprance Dimension Features	7.3 x 8.0 x 9.6 Double Stem T61~T62 TAVPCU13 4.8 x 4.8 x 0.55 Thin Type	7.5 x 6.0 Standard 2 Pin T63~T64 TAVPCM09 4.5 x 4.5 x 0.55 Thin Type	12.0 x 12.0 x 6.5 Waterproof T65~T66 TAVPAU22 3.7 x 3.7 x 0.35 Thin Type	6.0 x 6.0 x 4.3 Waterproof T67~T68 TAVPAU19 3.0 x 2.7 x 0.4 Thin Type	6.0 x 6.0 x 4.3 6.0 x 6.0 x 4.3 Waterproof T69~T70 TAVPAU25 3.0 x 2.0 x 0.7 Thin Type
Apprance Dimension Features Page Series Apprance Dimension Features Page	7.3 x 8.0 x 9.6 Double Stem T61~T62 TAVPCU13 4.8 x 4.8 x 0.55 Thin Type T71~T72	7.5 x 6.0 Standard 2 Pin T63~T64 TAVPCM09 4.5 x 4.5 x 0.55 Thin Type T73~T74	12.0 x 12.0 x 6.5 Waterproof T65~T66 TAVPAU22 3.7 x 3.7 x 0.35 Thin Type T75~T76	6.0 x 6.0 x 4.3 Waterproof T67~T68 TAVPAU19 3.0 x 2.7 x 0.4 Thin Type T77~T78	6.0 x 6.0 x 4.3 6.0 x 6.0 x 4.3 Waterproof T69~T70 TAVPAU25 3.0 x 2.0 x 0.7 Thin Type T79~T80
Apprance Dimension Features Page Series Apprance Dimension Features Page Series	7.3 x 8.0 x 9.6 Double Stem T61~T62 TAVPCU13 4.8 x 4.8 x 0.55 Thin Type T71~T72 TAVPH01	7.5 x 6.0 Standard 2 Pin T63~T64 TAVPCM09 4.5 x 4.5 x 0.55 Thin Type T73~T74	12.0 x 12.0 x 6.5 Waterproof T65~T66 TAVPAU22 3.7 x 3.7 x 0.35 Thin Type T75~T76	6.0 x 6.0 x 4.3 Waterproof T67~T68 TAVPAU19 3.0 x 2.7 x 0.4 Thin Type T77~T78	6.0 x 6.0 x 4.3 6.0 x 6.0 x 4.3 Waterproof T69~T70 TAVPAU25 3.0 x 2.0 x 0.7 Thin Type T79~T80

AppranceImage: Constraint of the sector of the

DIP Switch

Series	ADPS	ADPA	ADPP(L)	AIPCS	AIPCP
Apprance	0 N 7 2 3 4 5 6 7 5	*	4444444 12345678	AND	
Dimension	Box Type_2.54 pitch	Box Type_2.54 pitch	Box Type_2.54 pitch	IC Type_2.54 pitch	IC Type_2.54 pitch
Features	Top Actuated	Side Actuated	Piano Type	Top Actuated	Piano Type
Page	D01~D02	D03~D04	D05~D06	D07~D08	D09~D10
Series	AIPCH				
Apprance	TTT STATE				
Dimension	IC Type_1.27 pitch				

Slide Switch

Top Actuated

D11~D12

Features

Page

Series	APS35	APHM14	APVM14	APS47
Apprance		Sand Sand	Sager -	
Dimension	9.0 x 3.5 x 3.5	1.4mm Height	1.4mm Height	4.7 mm Height
Features	1P2T, 2P2T	1P2T, 1P3T	2P2T	1P2T, 1P3T, 1P4T
Page	S01~S02	S03~S04	S05~S06	S07~S08

Rotary Switch

Series	RSH / RSC	RSF
Apprance		1000 - 10000 - 10000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 -
Dimension	7.2 x 7.2	10 x 10
Features	4, 10, 16 Detents	10, 16 Detents
Page	R01~R02	R03~R04

Push Switch

Series	APPS85	APPS80	APPS70	APPS58
Apprance				
Dimension	8.5 x 8.5	8.0 x 8.0	7.0 x 7.0	5.8 x 5.8
Features	Through Hole_VA	Through Hole_VA	Through Hole_VA	Through Hole / Reflow
Page	P01~P02	P03~P04	P05~P06	P07~P08

Micro Switch

Series	MASPV01	MASPV02	MASPV03	MASPV04
Apprance				
Dimension	12.5 x 5.8	27.9 x 10.2	19.8 x 6.6	8.6 x 4.8
Features	Sub-Minitaure	Basic	. Minitaure	Ultra Sub-Minitaure
Page	M01~M02	M03~M04	M05~M06	M07~M08

Rocker Switch

32.0 x 25.0 16A to 20A

K11~K12

Apprance

Dimension

Features Page

Series	ARPSH01	ARPSH02	ARPSH03	ARPSH04	ARPSH05
Apprance		No.			8 58
Dimension	19.0 x 13.0	30.0 x 11.0	Ø20.0	21.0 x 15.0	15.0 x 10.4
Features	6A to 10A	16A to 20A	. 6A to 10A	6A to 10A	3A
Page	K01~K02	K03~K04	K05~K06	K07~K08	K09~K10
Series	ARPSH06				

Detector Switch

Series	DAEPV01	DAEPV02	DAEPH01
Apprance		e	
Dimension	3.5 x 2.8	4.8 x 3.7	8.4 x 4.8
Features	Top Actuated	Top Actuated	Side Actuated
Page	E01~E02	E03~E04	E05~E06

APTLH01 / APTLV01 Series 6.0*6.0mm Tact LED Switch, Through/Reflow



- Full Color Switch
- Multiple options of force
- Customized CAP options
- RoHS Compliant





Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	Nylon	Nylon	Nylon	Stainless Steel Ag plated	Brass Ag plated

Specification

Operating Force	160, 250gf	
Actuator Travel	0.20 ± 0.1mm	
Operating Temperature Range	-20°C ~ 70°C	
Voltage Rating	50mA, 12VDC	
Actuation Life Cycle	300,000 times	
Insulation Resistance	100 MΩ min @ 100VDC	
Dielectric Strength	250VAC for 1 minute	
Contact Resistance	100mΩ max	

Part Number



APTLH01 / APTLV01 Series 6.0*6.0mm Tact LED Switch, Through/Reflow

NO.	Dimens	Circuit	
APTLH01			Creen Red Huse + Green Red Huse +
APTLV01			Green Red Blue Green Red Blue Green Red Blue

Horustech TAVPGP01 Series 12.0*12.0mm Tact Switch, Through Hole, Top actuator



Product Features

- · Large operational stem
- · Multiple options of stems & force
- · Multiple color of stem
- · Boss at bottom for better positioning
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA66	Iron	PA66	Phosphor Bronze Ag plated	Brass Ag plated

Operating Force	160, 250, 320gf	
Actuator Travel	0.35 ± 0.1mm	
Operating Temperature Range	-20°C ~ 70°C	
Voltage Rating	50mA, 12VDC	
Actuation Life Cycle	□ = 200,000 , H = 1,000,000 times	
Insulation Resistance	100 MΩ min @ 500VDC	
Dielectric Strength	250VAC for 1 minute	
Contact Resistance	100mΩ max	





NO.	Dimensions	Circuit
TAVPGP01		1 2
TAVPGP01-G73		1 2 3 - 4

Horustech TAVPGM03 Series 12.0*12.0mm Tact Switch, Reflow, Top actuator

Product Features

- · Large operational stem
- · Multiple options of stems & force
- · Multiple color of stem
- · Boss at bottom for better positioning
- · RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA6T	Iron	PA6T	Phosphor Bronze Ag plated	Brass Ag plated

Operating Force	160, 250, 320gf	
Actuator Travel	0.35 ± 0.1mm	
Operating Temperature Range	-20°C ~ 70°C	
Voltage Rating	50mA, 12VDC	
Actuation Life Cycle	\Box = 200,000 , H = 1,000,000 times	
Insulation Resistance	100 MΩ min @ 500VDC	
Dielectric Strength	250VAC for 1 minute	
Contact Resistance	100mΩ max	





HorustechTAVPDP01Series6.0*6.0mm Tact Switch, Through hole, Top actuator

Product Features

- · Multiple options of stems & force
- Multiple color of stem
- Snap-in terminal
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA66	Iron	PA66	Phosphor Bronze Ag plated	Brass Ag plated

Operating Force	90, 160, 250, 320, 520gf	
Actuator Travel	0.25 ± 0.1mm	
Operating Temperature Range	-20°C ~ 70°C	
Voltage Rating	50mA, 12VDC	
Actuation Life Cycle	□ = 200,000, H = 1,000,000 times	
Insulation Resistance	100 MΩ min @ 500VDC	
Dielectric Strength	250VAC for 1 minute	
Contact Resistance	100mΩ max	





NO.	Dimensions	Circuit
TAVPDP01		1 2
TAVPDP01-G73		1 2

Horustech Horustech

TAVPDM04Series6.0*6.0mm Tact Switch, Reflow, Top actuator

Product Features

- · Multiple options of stems & force
- Multiple color of stem
- Great feeling
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA6T	Iron	PA6T	Phosphor Bronze Ag plated	Brass Ag plated

Operating Force	90, 160, 250, 320, 520gf		
Actuator Travel	0.25 ± 0.1mm		
Operating Temperature Range	-20°C ~ 70°C		
Voltage Rating	50mA, 12VDC		
Actuation Life Cycle	□ = 200,000, H = 1,000,000 times		
Insulation Resistance	100 MΩ min @ 500VDC		
Dielectric Strength	250VAC for 1 minute		
Contact Resistance	100mΩ max		





NO.	Dimensions	Circuit
		00
TAVPDM04		₃④
		1
TAVPDM04-G73		₃④

HorustechTAHPDP10Series6.0*6.0mm Tact Switch, Through hole, Side actuator

Product Features

- · Multiple options of stems & force
- Multiple color of stem
- Great feeling
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA6T	lron Cu.Sn plated	PA66	Phosphor Bronze Ag plated	Brass Ag plated

Operating Force	90, 160, 250, 320, 520gf
Actuator Travel	0.25 ± 0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	□ = 200,000, H = 1,000,000 times
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max





NO.	Dimensions	Circuit
TAHPDP10		1-0`0-2 34 -
TAHPDP10-G73		① ③

HorustechTAHPDP11Series6.0*6.0mm Tact Switch, Through hole, Side actuator

Product Features

- Multiple options of stems & force
- Multiple color of stem
- Snap-in terminal
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA6T	Iron Cu.Sn plated	PA66	Phosphor Bronze Ag plated	Brass Ag plated

Specification

Operating Force	160, 250, 320gf
Actuator Travel	0.25 ± 0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	□ = 200,000, H = 1,000,000 times
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max

Part Number





Product Features

- Multiple options of stems & force
- Multiple color of stem
- Great feeling
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA6T	Iron CuSn plated	PA66	Phosphor Bronze Ag plated	Brass Ag plated

Operating Force	90, 160, 250, 320, 520gf
Actuator Travel	0.25 ± 0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	□ = 200,000, H = 1,000,000 times
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max





NO.	Dimensions	Circuit
TAHPDP19		Ûo`>2 ③



- Multiple options of stems & force
- Multiple color of stem
- Compact size
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA6T	Iron	PA6T	Stainless Steel Ag plated	Brass Ag plated

Operating Force	90, 160, 250gf
Actuator Travel	0.25 ± 0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	100,000 times
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max



NO.	Dimensions	Circuit
TAVPCM01		①② ③④
		1)—_•2
TAVPCP02		3-4

HorustechTAHPCP03Series4.5*4.5mm Tact Switch, Through, Side actuator

Product Features

- · Multiple options of stems & force
- Multiple color of stem
- Compact size
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA6T	Iron	PA6T	Stainless Steel Ag plated	Brass Ag plated

Operating Force	90, 160, 250gf	
Actuator Travel	0.25 ± 0.1mm	
Operating Temperature Range	-20°C ~ 70°C	
Voltage Rating	50mA, 12VDC	
Actuation Life Cycle	100,000 times	
Insulation Resistance	100 MΩ min @ 500VDC	
Dielectric Strength	250VAC for 1 minute	
Contact Resistance	100mΩ max	



TAHPCP03Series4.5*4.5mm Tact Switch, Through, Side actuator

NO.	Dimensions	Circuit
TAHPCP03		()``() (3

Product Features

- Multiple options of stems & force
- Multiple color of stem
- Options with ground pin
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA6T	Stainless Steel	Nylon	Stainless Steel Ag plated	Brass Ag plated

Operating Force	90, 160, 250gf
Actuator Travel	0.25 ± 0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	500,000 times
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max



NO.	Dimensions	Circuit
TAVPEP07-N		
TAVPEPUT-N		3④
TAVPEP07-E		
		3€

Product Features

- · Multiple options of stems & force
- Dust-proof
- · Options with ground pin
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA6T	Stainless Steel	PA6T	Stainless Steel Ag plated	Brass Ag plated

Specification

Operating Force	90, 160, 250gf
Actuator Travel	0.25 ± 0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	500,000 times
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max

Part Number



NO.	Dimensions	Circuit
TAVPEM05-2		 (1) → (2) (3) → (4)
TAVPEM05-E2		12 5-
		3 (4) (4)

TAVPEJ10/ TAVPEM11Series6.2*6.2mm Tact Switch, Reflow, Top actuator

Product Features

- · Multiple options of stems & force
- · Multiple color of stem
- Long total travel
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA6T	Stainless Steel	Rubber	Stainless Steel Ag plated	Brass Ag plated

Operating Force	160, 250gf
Actuator Travel	0.35 ±0.2mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	200,000 times
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max





TAVPEJ10/ TAVPEM11Series6.2*6.2mm Tact Switch, Reflow, Top actuator

NO.	Dimensions	Circuit
TAVPEJ10		1 2 3 4
TAVPEM11		1 2 3 4

TAVPEU01 / TAVPEF02Series6.2*6.2mm Tact Switch, Reflow, Top actuator

Product Features

- · Multiple options of stems & force
- Multiple color of stem
- Options with ground pin
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA6T	Stainless Steel	PA6T	Phosphor Bronze Ag plated	Brass Ag plated

Operating Force	160, 250gf
Actuator Travel	0.25 ± 0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	500,000 times
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max





TAVPEU01 / TAVPEF02Series6.2*6.2mm Tact Switch, Reflow, Top actuator

NO.	Dimensions	Circuit
TAVPEU01-N		1 2 3 4
TAVPEU01-E		1 3 3 4
TAVPEF02-N		① ②
TAVPEF02-E		1 2 3 4
TAVPDU21Series6.0*6.0mmTact Switch, Reflow, Top actuator

Product Features

- · Multiple options of force
- Great operating feeling
- Long travel
- RoHS Compliant



Materials

Part Name	Base	Cover	Rubber Stem	Contact	Terminal
Material	LCP	LCP	Silica Gel	Phosphor Bronze Ag plated	Brass Ag plated

Specification

Operating Force	160, 250gf
Actuator Travel	1.3 ± 0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	100,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max

Part Number



TAVPDU21Series6.0*6.0mmTactSwitch,Reflow,Topactuator



TAHPDM03Series6.0*6.0mmTactSwitch,Reflow,Sideactuator

Product Features

- · Multiple options of force
- Strong body
- High reailability
- RoHS Compliant



Package

R = Reel

Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA6T	Stainless Steel Ag plated	Nylon	Stainless Steel Ag plated	Brass Ag plated

Specification

Operating Force	160, 250, 320gf
Actuator Travel	0.30 ±0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	200,000 times
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max



023 = 2.3mm

044 = 4.4mm

ST = 160gf

TF = 250gf TT = 320gf 🗌 = Black

W = White

🗌 = With

N = Without

NO.	Dimensions	Circuit
TAHPDM03		Û—o´ o—2
		Ĵ <u></u> _σ ~ ∞_2

TAVPCF19 / TAVPCU18 / TAVPCM16 Series 5.0*5.0mm Tact Switch, Reflow, Top actuator

Product Features

- Multiple options of force & height
- Multiple options of stems
- · High reailability
- RoHS Compliant







Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	LCP	SUS Ag plated	Brass Ni plated	SUS Ag plated	Brass Ag plated

Specification

Operating Force	90, 160, 250, 320gf
Actuator Travel	0.25 ± 0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	2,000,000 times
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max



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TAVPCF19 / TAVPCU18 / TAVPCM16 Series 5.0*5.0mm Tact Switch, Reflow, Top actuator

NO.	Dimensions	Circuit
TAVPCF19		
TAVPCU18		
TAVPCM16		1 <u></u> 2 34

TAVPCM15 / TAVPCU11Serues5.0*5.0mm Tact Switch, Reflow, Top actuator

Product Features

- · Multiple options of force
- Options of ground pin
- High reailability
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	LCP	SUS Ag plated	Brass Ni plated	Stainless Steel Ag plated	Brass Ag plated

Specification

Operating Force	90, 160, 250, 320gf
Actuator Travel	0.25 ± 0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	200,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max



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TAVPCM15 / TAVPCU11Serues5.0*5.0mm Tact Switch, Reflow, Top actuator

NO.	Dimensions	Circuit
TAVPCM15		1 2 3 4
TAVPCU11		

TAVPBP06 / TAVPBF09 / TAVPBU10Series6.0*3.5mm Tact Switch, Reflow / Through hole, Top actuator

Product Features

- · Multiple options of force / terminal
- Multiple options of stem color
- Compact size
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA6T	Iron	PA6T	Stainless Steel Ag plated	Brass Ag plated

Specification

Operating Force	90, 160, 250gf
Actuator Travel	0.25 ±0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	50,000 times
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max

Part Number



NO.	Dimensions	Circuit
TAVPBP06		12
TAVPBF09		(1-0-2)
TAVPBU10		(1-0-0-2)

TAVPBF18 / TAVPBU19Series6.0*3.7mm Tact Switch, Reflow, Top actuator

Product Features

- Multiple options of force
- · Multiple options of stem color
- Compact size
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	LCP	Stainless Steel	LCP	Stainless Steel Ag plated	Brass Ag plated

Specification

Operating Force	90, 160, 250
Actuator Travel	0.25 ±0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	50,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max



TAVPBF18 / TAVPBU19Series6.0*3.7mm Tact Switch, Reflow, Top actuator

NO.	Dimensions	Circuit
TAVPBF18		Ĵ <u></u> _o ~_2
TAVPBU19		Ĵ <u></u> _σ´ ∞_2

TAVPBF22Series6.0*3.8mmTactSwitch,NormalClose

Product Features

- Multiple options of force
- Multiple options of stem color
- Normal close
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	LCP	Stainless Steel Ag plated	Silica gel	Stainless Steel Ag plated	Brass Ag plated

Specification

Operating Force	160, 250gf
Actuator Travel	0.40 ±0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	100,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max





TAVPBF22Series6.0*3.8mmTact Switch, Normal Close

Diagram



TAHPBM02 / TAHPAM04 Series Tact Switch, Reflow, Side actuator

Product Features

- · Multiple options of force
- Support post
- · High reailability
- · RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	LCP	Brass Cu Sn plated	LCP	Stainless Steel Ag plated	Brass Ag plated

Specification

Operating Force	180, 250gf
Actuator Travel	BM02 = 0.25 ±0.1mm, AM04 = 0.15 ±0.05mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	50,000 times
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max



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TAHPBM02 / TAHPAM04 Series Tact Switch, Reflow, Side actuator

Diagram

NO.	Dimensions	Circuit
TAHPBM02		()2 34
	$ \begin{array}{c} $	
TAHPAM04		12
		34

TAHPAM21 / TAHPAM31 Series Tiny Side Switch, Reflow

Product Features

- · Multiple options of force
- Support post
- Tiny type
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	High-Temp	Phosphor Bronze	High-Temp	Stainless Steel	Brass
	thermoplastic	Ag plated	thermoplastic	Ag plated	Ag plated

Specification

Operating Force	160gf
Actuator Travel	0.20 ±0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	100,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max

Part Number



TAHPAM21 / TAHPAM31 Series Tiny Side Switch, Reflow

Diagram



TAHPAM16 / TAHPAM161SeriesMid Mount Tact Switch, Reflow

Product Features

- Multiple options of force
- Multiple options of stem color
- Midmount
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	LCP	Stainless Steel	LCP	Stainless Steel Ag plated	Phosphor Bronze Ag plated

Specification

Operating Force	180, 250gf
Actuator Travel	16 : 0.20 ±0.1mm, 161 : 0.15 ±0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	16 : 50mA, 12VDC, 161 : 20mA, 15VDC
Actuation Life Cycle	200,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	500mΩ max





TAHPAM16 / TAHPAM161SeriesMid Mount Tact Switch, Reflow

Diagram

NO.	Dimensions	Circuit
ТАНДАМ16	9 9 1 2 6 16 2 6 15 2 6 15 2 6 15 2 6 15 2 6 15 2 15 15 2 15 15 15 15 15 15 15 15 15 15	(1)
TANFAMIO		
		1 2 3
ΙΑΠΡΑΙΝΙΙΟΙ		

Product Features

- · Multiple options of force
- Stronger body
- Mini type
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	LCP	Phosphor Bronze Ag plated	LCP	Stainless Steel Ag plated	Phosphor Bronze Ag plated

Specification

Operating Force	160, 250gf	
Actuator Travel	0.20 ±0.1mm	
Operating Temperature Range	-20°C ~ 70°C	
Voltage Rating	50mA, 12VDC	
Actuation Life Cycle	100,000 times	
Insulation Resistance	100 MΩ min @ 100VDC	
Dielectric Strength	250VAC for 1 minute	
Contact Resistance	500mΩ max	

Part Number



TAHPAM12Series4.5*2.5mm Tact Switch, Reflow, Side actuator



TAVPAU10 / TAVPAF11Series3.2*4.2mm Tact Switch, Reflow, Top actuator

Product Features

- Multiple options of force & height
- Multiple options of stem color
- Mini type
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	LCP	Phosphor Bronze	LCP	Stainless Steel Ag plated	Brass Ag plated

Specification

Operating Force	160, 250gf	
Actuator Travel	0.20 ±0.1mm	
Operating Temperature Range	-20°C ~ 70°C	
Voltage Rating	50mA, 12VDC	
Actuation Life Cycle	100,000 times	
Insulation Resistance	100 MΩ min @ 100VDC	
Dielectric Strength	250VAC for 1 minute	
Contact Resistance	500mΩ max	



Height "H"

025 = 2.5mm

Force Stem Color Package ST = 160gf $\Box = Yellow$ R = ReelTF = 250gf L = White

U10 = U

F11 = Flat

TAVPAU10 / TAVPAF11Series3.2*4.2mm Tact Switch, Reflow, Top actuator

NO.	Dimensions	Circuit
TAVPAU10		
		(3)(4)
TAVPAF11		①————②
		3④

TAHPAU13 / TAHPAF14 / TAVPAU23 / TAVPAF24 Series 4.7*3.5mm Tact Switch, Reflow, Top / Side actuator

Product Features

- · Multiple options of force
- Support post
- Mini type
- RoHS Compliant









Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	LCP	Stainless Steel	LCP	Stainless Steel Ag plated	Phosphor Bronze Ag plated

Specification

Operating Force	160, 250gf	
Actuator Travel	0.25 ±0.15mm	
Operating Temperature Range	-20°C ~ 70°C	
Voltage Rating	50mA, 12VDC	
Actuation Life Cycle	100,000 times	
Insulation Resistance	100 MΩ min @ 100VDC	
Dielectric Strength	250VAC for 1 minute	
Contact Resistance	100mΩ max	



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TAHPAU13 / TAHPAF14 / TAVPAU23 / TAVPAF24 Series 4.7*3.5mm Tact Switch, Reflow, Top / Side actuator



TAHPAU08 / TAHPAF09 / TAVPAU07 / TAVPAF06 Series 3.9*2.9mm Tact Switch, Reflow, Top / Side actuator

Product Features

- Multiple options of force
- Support post
- Mini type
- RoHS Compliant









Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	LCP	Stainless Steel	LCP	Stainless Steel Ag plated	Phosphor Bronze Ag plated

Specification

Operating Force	160gf
Actuator Travel	Vertical : 0.13 ±0.1mm, Horizontal : 0.20 ±0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	150,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max



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TAHPAU08 / TAHPAF09 / TAVPAU07 / TAVPAF06 Series 3.9*2.9mm Tact Switch, Reflow, Top / Side actuator

NO.	Dimensions	Circuit
TAVPAF06		₫—∽ ∞—⊘
TAVPAU07		₫—∽ ∞—@
TAHPAU08-A		₫—σ ∞—2
TAHPAF09-A		(1—√ ~-2)

TAHPAF01 / TAVPAF02 Series 3.5*3.0mm Tact Switch, Reflow,

Product Features

- · Multiple options of force
- Support post
- Mini type
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	LCP	Stainless Steel Ag plated	LCP	Stainless Steel Ag plated	Phosphor Bronze Ag plated

Specification

Operating Force	160, 250gf
Actuator Travel	Vertical : 0.15 ±0.1mm, Horizontal : 0.20 ±0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	100,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max



TAHPAF01 / TAVPAF02 Series 3.5*3.0mm Tact Switch, Reflow

Diagram

NO.	Dimensions	Circuit
TAHPAF01-A		1 2 3 4
TAVPAF02		1 2 3 4

TAVPAF03Series3.3*3.3mmTact Switch, Reflow, Top actuator

Product Features

- Multiple options of force & height
- Multiple options of stem color
- Mini type
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	LCP	Stainless Steel Ag plated	LCP	Stainless Steel Ag plated	Phosphor Bronze Ag plated

Specification

Operating Force	90, 160, 250gf
Actuator Travel	0.15 ±0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	100,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max





TAVPAF03Series3.3*3.3mmTactSwitch,Reflow,Topactuator

NO.	Dimensions	Circuit
TAVPAF03-E		
TAVPAF03-N		û2 ∢ 34

Product Features

- Multiple options of force
- Stronger body
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	LCP	Stainless Steel	PA46	Stainless Steel Ag plated	Brass Ag plated

Specification

Operating Force	160, 220gf
Actuator Travel	0.30 ±0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	100,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max

Part Number



TAHPBF26Series6.0*4.0mm Tact Switch, Reflow, Side actuator



Product Features

- Available for 1 or 2 actions
- Double stem
- RoHS Compliant





Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA66	Iron Ag plated	PA66	Stainless Steel Ag plated	Brass Ag plated

Specification

Operating Force	180gf
Actuator Travel	0.20 ±0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	100,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max



 Height"H"
 Force

 064 = 4.8mm
 ET = 180gf
 T

 084 = 6.8mm
 B

T = Single stem at top B = Single stem at bottom D = Double stem

NO.	Dimensions	Circuit
TAHP73-D	$\begin{array}{c} 73 \\ \hline 0 \\ $	
TAHP73-T		 [
ТАНРВР07 / ТАНРВР04 **Series** Tact Switch, Through hole, Side actuator

Product Features

- Available for stem height
- Bracket to be stronger
- · RoHS Compliant





Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA6T	lron CuSn plated	PA6T	Stainless Steel Ag plated	Brass Ag plated

Specification

Operating Force	160 / 250gf
Actuator Travel	0.25 ± 0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	50,000 times
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max



TAHPBP07 / TAHPBP04SeriesTact Switch, Through hole, Side actuator

NO.	Dimensions	Circuit
TAHPBP07		3
TAHPBP04		1-5

TAVPJP15Series12.0*12.0mmTact Switch, Through Hole, Top actuator

Product Features

- Multiple options of force
- Multiple options of height
- Waterproof
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA6T	PA6T	PA6T	Phosphor Bronze Ag plated	Brass Ag plated

Specification

Operating Force	160, 250gf
Actuator Travel	0.35 ± 0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	100,000 times
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max





TAVPJP13Series6.0*6.0mmTact Switch, Through Hole, Top actuator

Product Features

- · Multiple options of force
- · Multiple options of height
- Waterproof
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA6T	PA6T	PA6T	Phosphor Bronze Ag plated	Brass Ag plated

Specification

Operating Force	160, 250gf
Actuator Travel	0.25 ±0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	100,000 times
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max





TAVPJM17Series6.0*6.0mmTact Switch, Reflow, Top actuator

Product Features

- Multiple options of force
- Multiple options of height
- Waterproof
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA6T	PA6T	PA6T	Phosphor Bronze Ag plated	Brass Ag plated

Specification

Operating Force	160, 250gf
Actuator Travel	0.25 ±0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	100,000 times
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max



TAVPJM17Series6.0*6.0mmTactSwitch,Reflow,Topactuator



Product Features

- · Multiple options of force
- Thin type
- RoHS Compliant



Materials

Part Name	Base	Terminal	Contact
Material	LCP	Phosphor Bronze Ag plated	Stainless Steel Ag plated

Specification

Operating Force	160, 250gf
Actuator Travel	0.20 ± 0.05mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	100,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	100VAC for 1 minute
Contact Resistance	100mΩ max



HorustechTAVPCU13Series4.8*4.8*0.55mm Tact Switch, Reflow, Top actuator

Diagram



Product Features

- · Multiple options of force
- Thin type
- RoHS Compliant



Materials

Part Name	Base	Terminal	Contact
Material	LCP	Phosphor Bronze Ag plated	Stainless Steel Ag plated

Specification

Operating Force	160, 250gf
Actuator Travel	0.20 ± 0.05mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	500,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	100VAC for 1 minute
Contact Resistance	100mΩ max



HorustechTAVPCM09Series4.5*4.5*0.55mmTact Switch, Reflow, Top actuator

Diagram



Product Features

- · Multiple options of force
- Thin type
- RoHS Compliant



Materials

Part Name	Base	Terminal	Contact	Stem
Material	LCP	Phosphor Bronze Ag plated	Stainless Steel Ag plated	Polymide

Specification

Operating Force	160, 250gf
Actuator Travel	0.15 ±0.05mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	100,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	100VAC for 1 minute
Contact Resistance	100mΩ max



TAVPAU22Series3.7*3.7mmTact Switch, Reflow, Top actuator



Horustech TAVPAU19 Series 3.0*2.7mm Tact Switch, Reflow, Top actuator

Product Features

- · Multiple options of force
- Thin type
- RoHS Compliant



Materials

Part Name	Base	Terminal	Contact	Stem
Material	PA6T	Phosphor Bronze Ag plated	Stainless Steel Ag plated	TI4030-ST

Specification

Operating Force	160, 250gf
Actuator Travel	0.15 ±0.05mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	100,000 times
Insulation Resistance	50 MΩ min @ 100VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	500mΩ max





TAVPAU19Series3.0*2.7mm Tact Switch, Reflow, Top actuator



Horustech TAVPAU25 Series 3.0*2.1mm Tact Switch, Reflow, Top actuator

Product Features

- · Multiple options of force
- Thin type
- RoHS Compliant



Materials

Part Name	Base	Terminal	Contact	Stem
Material	PA6T	Phosphor Bronze Ag plated	Stainless Steel Ag plated	Polymide

Specification

Operating Force	160, 250gf
Actuator Travel	0.13 ±0.05mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	100,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	100VAC for 1 minute
Contact Resistance	500mΩ max





Horustech TAVPH01 Series 3.0*2.7mm Tact Switch, Reflow, Top actuator

Product Features

- Multiple options of force
- Compact type
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	LCP	SUS Ag plated	LCP	SUS Ag plated	Phosphor Bronze Ag plated

Specification

Operating Force	160, 400gf
Actuator Travel	0.12 ±0.1mm
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	200,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	100VAC for 1 minute
Contact Resistance	100mΩ max



TAVPH01Series3.0*2.7mmTact Switch, Reflow, Top actuator

NO.	Dimensions	Circuit
TAVPH01-G		
TAVPH01		

ADPSSeriesBox type2.54 pitchDIP SwitchTop actuated

Product Features

- Multiple options of positions
- Multiple options of housing color
- · Gold plated at contact area
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PBT	PBT	PBT	Copper alloy Au plated	Brass Au plated

Specification

Operating Force	1,000gf Max
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	25mA, 24VDC (Switching)
	100mA, 50VDC (Non-Switching)
Actuation Life Cycle	2,500 times
Insulation Resistance	100MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	50mΩ Max



HorustechADPSSeriesBox type2.54 pitchDIP SwitchTop actuated

Diagram

NO.	Dimensions	Circuit
ADPS	Position L1 L1 254 1 4.06 -	

HorustechADPASeriesBox type2.54 pitchDIP SwitchSide actuated

Product Features

- Multiple options of positions
- Multiple options of housing color
- Gold plated at contact area
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PBT	PBT	PBT	Copper alloy Au plated	Brass Au plated

Specification

Operating Force	1,000gf Max
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	25mA, 24VDC (Switching)
	100mA, 50VDC (Non-Switching)
Actuation Life Cycle	2,500 times
Insulation Resistance	100MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	50mΩ Max



Horustech ADPA Series Box type 2.54 pitch DIP Switch Side actuated

Diagram

NO.	Dimensions	Circuit
ADPA	Position L1 L2 1 4.06 . 2 6.60 2.54 3 9.14 5.08 4 11.66 7.62 6 16.762 . 6 15.74 . 9 24.38 20.32 10 2.286 . 12 3.2.00 27.94	

ADPP(L) **Series** Horustech Box type 2.54 pitch DIP Switch Piano type

Product Features

- · Multiple options of positions
- · Multiple options of housing color
- · Gold plated at contact area
- · RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PBT	PBT	PBT	Copper alloy Au plated	Brass Au plated

Specification

Operating Force	1,000gf Max
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	25mA, 24VDC (Switching)
	100mA, 50VDC (Non-Switching)
Actuation Life Cycle	2,500 times
Insulation Resistance	100MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	50mΩ Max



NO.	Dimensions	Circuit
ADPP	Position L1 L2 1 4.06 2.54 2 5.60 2.54 3 9.14 5.08 4 11.86 7.62 5 14.22 10.16 6 6.76 12.70 7 19.30 15.24 8 21.23 20.02 10 25.82 22.86 12 32.00 27.94	
ADPPL	Position L1 L2 1 4.06 2.54 3 9.14 5.08 4 11.56 7.62 5 14.22 10.16 6 16.76 12.70 9 24.33 20.32 10 2.264 17.76 9 24.33 20.32 12 32.00 27.94	

AIPCS **Series** Horustech IC type 2.54 pitch DIP Switch Top actuated

Product Features

- · Multiple options of positions
- Gold plated at contact area
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PPS	PPS	PA46	Copper alloy Au plated	Brass Au plated

Specification

Operating Force	1,000gf Max
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	25mA, 24VDC (Switching)
	100mA, 50VDC (Non-Switching)
Actuation Life Cycle	2,000 times
Insulation Resistance	100MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	50mΩ Max



NO.		Dimensions	Circuit
AIPCS-HxxL	Position L1 L2 1 2.54 - 2 5.08 2.54 3 7.62 5.08 4 10.16 7.62 5 12.70 10.16 6 15.24 12.70 7 17.77 15.24 8 20.32 17.78 9 22.66 20.32 10 25.40 22.86 12 30.48 27.94		
AIPCS-MxxS	Position L1 L2 1 2.64 - 2 5.08 2.54 3 7.62 5.08 4 10.16 7.62 5 12.70 10.16 6 15.24 12.70 7 17.78 52.46 9 22.66 20.32 10 25.40 22.86 12 30.48 27.94		

Horustech AIPCP Series IC type 2.54 pitch DIP Switch Piano type



- · Multiple options of positions
- Gold plated at contact area
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	High-Temp. Thermoplastic	High-Temp. Thermoplastic	PA46	Copper alloy Au plated	Brass Au plated

Specification

Operating Force	1,000gf Max
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	25mA, 24VDC (Switching)
	100mA, 50VDC (Non-Switching)
Actuation Life Cycle	3,000 times
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	500VAC for 1 minute
Contact Resistance	50mΩ max



NO.	Dimensions	Circuit
AIPCP-Hxx-T	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	
AIPCP-Mxx-T	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	

AIPCH **Series** Horustech IC type 1.27 pitch DIP Switch Top actuated

Product Features

- Multiple options of positions
- Gold plated at contact area
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	High-Temp. Thermoplastic	High-Temp. Thermoplastic	LCP	Phosphor Bronze Au plated	Brass Au plated

Specification

Operating Force	500gf Max
Operating Temperature Range	-40°C ~ 85°C
Voltage Rating	25mA, 24VDC (Switching)
	100mA, 50VDC (Non-Switching)
Actuation Life Cycle	1,000 times
Insulation Resistance	100MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ Max



Horustech AIPCH Series IC type 1.27 pitch DIP Switch Top actuated

Diagram

NO.		Dimensions	Circuit
AIPCH-xxx-x	Position L1 L2 2 3.77 1.07 4 6.31 3.81 6 8.85 6.35 8 11.39 8.89 10 13.93 11.43		



Product Features

- 1P2T, 2P2T models
- · Multiple length of stem
- · Boss at bottom for better positioning
- RoHS Compliant







Part Name	Base	Cover	Stem	Contact	Terminal
Material	Nylon	SUS	Nylon	Beryllium Copper Ag plated	Brass Ag plated

Specification

Operating Force	200gf
Operating Temperature Range	-10°C ~ 60°C
Voltage Rating	100mA, 12VDC (Switching)
	100mA, 50VDC (Non-Switching)
Actuation Life Cycle	10,000 times
Insulation Resistance	100MΩ min @ 100VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ Max





NO.	Dimensions	Circuit
APS35-HH12		C (1) (2) (3) + + -
APS35-VH22	$\begin{array}{c} 9.0 \\ \hline \\ $	
APS35-HM12		

APHM14 Series Slide Switch, Reflow

Product Features

- 1P2T, 1P3T models
- · Multiple length of stem
- · Boss at bottom for better positioning
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	LCP	Brass Ag plated	PA46	Beryllium Copper Ag plated	Phosphor bronze Ag plated

Specification

Operating Force	1P2T : 150gf, 1P3T : 200gf
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	25mA, 24VDC (Switching)
	300mA, 5VDC (Non-Switching)
Actuation Life Cycle	10,000 times
Insulation Resistance	100MΩ min @ 100VDC
Dielectric Strength	100VAC for 1 minute
Contact Resistance	100mΩ Max





APHM14 Series Slide Switch, Reflow



NO.	Dimensions	Circuit
APHM14-12	$3 \cdot 04 + 30 + 15 + 51 + 51 + 51 + 51 + 51 + 51 + 5$	
APHM14-13	$\begin{array}{c} 15 & 30 & 15 & 3-04 \\ \hline 0 & 0 & 0 & 0 & 0 \\ \hline 15 & 0 & 0 & 0 & 0 \\ \hline 0 & 0 & 0 & 0 & 0 \\ \hline 15 & 0 & 0 & 0 & 0 \\ \hline 15 & 0 & 0 & 0 & 0 \\ \hline 15 & 0 & 0 & 0 & 0 \\ \hline 15 & 0 & 0 & 0 & 0 \\ \hline 15 & 0 & 0 & 0 & 0 \\ \hline 15 & 0 & 0 & 0 & 0 \\ \hline 15 & 0 & 0 & 0 & 0 \\ \hline 15 & 0 & 0 & 0 & 0 \\ \hline 10 & 0 & 0 & 0 \\$	
APVM14 Series Slide Switch, Vertical type

Product Features

- · 2P2T models
- · Multiple length of stem
- · Boss at bottom for better positioning
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	LCP	Brass Ag plated	PA46	Beryllium Copper Ag plated	Phosphor bronze Ag plated

Specification

Operating Force	200gf
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	25mA, 24VDC (Switching)
	300mA, 5VDC (Non-Switching)
Actuation Life Cycle	10,000 times
Insulation Resistance	100MΩ min @ 100VDC
Dielectric Strength	100VAC for 1 minute
Contact Resistance	100mΩ Max





APVM14 Series Slide Switch, Vertical type





Product Features

- 1P2T, 1P3T, 1P4T available
- Multiple length of stem
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA6T	SUS Ag plated	PA66	Beryllium Copper Ag plated	Phosphor bronze Ag plated

Specification

Operating Force	200gf ±120gf
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	500mA, 36VDC
Travel	2.0mm
Actuation Life Cycle	10,000 times
Insulation Resistance	100MΩ min @ 250VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ Max



APS47 Series Slide Switch, 4.7mm Height

Diagram



RSH / RSC Series 7.2*7.2 Rotary Switch

Product Features

- · Multiple options of height
- Available for 4, 10, 16 positions
- Waterproof
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA	Stainless Steel	LCP	Beryllium copper Ag plated	Phosphor Bronze Ag plated

Specification

Operating Force	40 ~ 200gf
Positions	4, 10, 16 detents
Operating Temperature Range	-20°C ~ 75°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	10,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max

Part Number RSH Actuator Height 1 = Recessed 4 = 4 detents R = Real Code M = Gull wing 2 = 3.0mm A = 10 detents H = Through hole F = 16 detents 3 = 4.5mm RSC Actuator Height Positions Code 1 = Recessed 4 = 4 detents R = Real Code R = Right angle, Through hole 2 = 3.0mm A = 10 detents 3 = 4.5mm F = 16 detents

RSH / RSC Series 7.2*7.2 Rotary Switch

Diagram

NO.	Dimensions	Circuit
RSH-14RM		CODE C 0 1 2 3 g 0
RSH-2ARM		
RSH-3FRH		
RSC-2ARR	$\begin{array}{c} & & & & \\ & & & & \\ & & & & \\ & & & & $	

RSF Series 10.0*10.0 Rotary Switch

Product Features

- Multiple options of height
- Available for 10, 16 positions
- Waterproof
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA	PA	LCP	Copper Alloy Au plated	Brass AuSn plated

Specification

Operating Force	144 ~ 432gf
Positions	10, 16 detents
Operating Temperature Range	-40°C ~ 85°C
Voltage Rating	50mA, 12VDC
Actuation Life Cycle	10,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	500VAC for 1 minute
Contact Resistance	100mΩ max



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RSF Series 10.0*10.0 Rotary Switch



NO.	Dimensions	Circuit
RSF-AARM		
RSF-BFRM		
RSF-CARK		0 Peatons 0

APPS85 Series 8.5*8.5mm Push Switch

Product Features

- Multiple options of height
- Multiple options of stem color
- Available for terminal type
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Spring	Terminal
Material	Nylon	PC	Nylon	Carbon wire	Brass Ag plated

Specification

Operating Force	200gf
Operating Temperature Range	-10°C ~ 60°C
Voltage Rating	10mA, 30VDC
Actuation Life Cycle	10,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max

Part Number



APPS85 Series 8.5*8.5mm Push Switch

Diagram



Product Features

- Multiple options of height
- Multiple options of stem color
- Available for terminal type
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	Nylon	PC	Nylon	SUS	Brass Ag plated

Specification

Operating Force	180gf
Operating Temperature Range	-10°C ~ 60°C
Voltage Rating	10mA, 30VDC
Actuation Life Cycle	10,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max

Part Number



APPS80 Series 8.0*8.0mm Push Switch

Diagram



Product Features

- Multiple options of height
- Multiple options of stem color
- Available for terminal type
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	Nylon	PC	Nylon	Carbon wire	Brass Ag plated

Specification

Operating Force	180gf
Operating Temperature Range	-10°C ~ 60°C
Voltage Rating	10mA, 30VDC
Actuation Life Cycle	10,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max

Part Number



APPS70 Series 7.0*7.0mm Push Switch

Diagram



APPS58 Series 5.8*5.8mm Push Switch

Product Features

- Multiple options of height
- Multiple options of stem color
- Available for terminal type
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Spring	Terminal
Material	Nylon	PC	Nylon	Stainless Steel	Copper Alloy Ag plated

Specification

Operating Force	180gf
Operating Temperature Range	-10°C ~ 60°C
Voltage Rating	10mA, 30VDC
Actuation Life Cycle	10,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max

Part Number



APPS58 Series 5.8*5.8mm Push Switch

Diagram



MASPV01 Series Sub-Miniature Micro Switch

Product Features

- · Choice of terminal type
- · Multiple shapes of lever
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PBT	PBT	PBT	Beryllium Copper Ag plated	Brass Ag plated

Specification

Operating Force	Non-Stem : 130gf Max	
	Lever type : 50gf Max	
Operating Temperature Range	-20°C ~ 70°C	
Voltage Rating	1 / 3A at 125VAC	
Actuation Life Cycle	Mechanical : 1,000,000 times	
	Electrical : 10,000 times	
Insulation Resistance	100 MΩ min @ 500VDC	
Dielectric Strength	1000VAC for 1 minute	
Contact Resistance	50mΩ max	

Part Number



MASPV01 Series Sub-Miniature Micro Switch

Diagram

NO.	Dimensions	Circuit
MASPV01-00-P	$\begin{array}{c} 12.7 \\ \hline \\ C \\ \hline \\ 0.2 \\ \hline \\ 0.5 \\ \hline \hline \\ 0.5 \\ \hline \hline \\ 0.5 \\ \hline \\ 0.5 \\ \hline \hline \hline \hline \\ 0.5 \\ \hline \hline \hline \hline \hline \\ 0.5 \\ \hline $	NC ③① ②① NO
MASPV01-01-P	$\begin{array}{c} 113 \\ \hline \\ 3.6 \\ \hline \\ \hline \\ \hline \\ \hline \\ 3.6 \\ \hline \\ $	NC 3 2 NO COM COM 2 NO
MASPV01-0R-P	$\begin{array}{c} \hline \\ \hline $	NC 3

Product Features

- Choice of switch currents of 6A to 26A
- · Multiple shapes of lever
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PBT	PBT	PBT	Beryllium Copper Ag plated	Brass Ag plated

Specification

Operating Force	200gf Max	
Operating Temperature Range	-20°C ~ 105°C	
Voltage Rating	6 / 10 / 16 / 22 / 26A at 125/250V AC	
Actuation Life Cycle	Mechanical : 2,000,000 times	
	Electrical : 100,000 times	
Insulation Resistance	100 MΩ min @ 500VDC	
Dielectric Strength	1500VAC for 1 minute	
Contact Resistance	30mΩ max	





MASPV02 Series Basic Micro Switch



Diagram



MASPV03 Series Miniature Micro Switch

Product Features

- Choice of switch currents of 3A to 10A
- · Multiple shapes of lever
- Terminal for PCB hole and Solder lug
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PBT	PBT	PBT	Beryllium Copper Ag plated	Brass Ag plated

Specification

Operating Force	Non-Stem : 150gf Max
	Lever type : 50gf Max
Operating Temperature Range	-20°C ~ 105°C
Voltage Rating	3 / 5 / 6 / 10A at 125/250V AC
Actuation Life Cycle	Mechanical : 2,000,000 times
	Electrical : 50,000 times
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	1000VAC for 1 minute
Contact Resistance	50mΩ max

Part Number



MASPV03 Series Miniature Micro Switch



NO.	Dir	nensions		Circuit
MASPV03-00-P				NC (3- (2-) NO COM (2) (1) NO
MASPV03-01-C		42 900 150 034 66		NC 3 2 NO COM 2 1 NO
MASPV03-0R-C	7.8 7.8 7.8 7.8 7.8 7.9 7.8 7.9 7.8 7.9 7.8 7.9 7.8 7.9 7.8 7.9 7.8 7.9 7.8 7.9 7.8 7.9 7.8 7.9 7.9 7.8 7.9 7.9 7.9 7.9 7.9 7.9 7.9 7.9	42 99 0 55 34 66	N N <u>3-02 sh</u> 95	NC ③① ②① NO

Horustech MASPV04 S Ultra Sub-Mini

MASPV04 Series Ultra Sub-Miniature Micro Switch



- · Tiny type
- Terminal for PCB hole and Reflow
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	LCP	PA66	PA66	Beryllium Copper Ag plated	Brass Ag plated

Specification

Operating Force	80gf Max
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	0.1A at 48VDC
Actuation Life Cycle	Mechanical : 1,000,000 times
	Electrical : 1.000,000 times
Insulation Resistance	50MΩ min @ 500VDC
Dielectric Strength	250VAC for 1 minute
Contact Resistance	100mΩ max

Part Number



MASPV04 Series Ultra Sub-Miniature Micro Switch

Diagram



ARPSH01 Series Standard Rocker Switch

Product Features

- · Multiple options of terminal type
- · Multiple options of stem mark and housing
- Choice of switch currents of 6A to 10A
- RoHS Compliant
- Current : 6A, 125/250V AC (UL, VDE, CQC) 10A, 125/250V AC (UL, VDE)



Materials

Part Name	Base	Contact	Stem	Terminal
Material	PA66	Silver alloy	PA66	Brass Ag plating

Specification

Voltage Rating	6~10A, 125/250V AC
Actuation Life Cycle	10,000 times
Operating Temperature Range	-20°C ~ 70°C
Insulation Resistance	100MΩ min @ 500VDC
Dielectric Strength	1500VAC for 1 minute
Contact Resistance	50mΩ max





Stem Mark

1	2	3	4	5	6	Х
-	•	1	-	ON		
0						Others
=		0	0	OFF		

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•		-	

С	Р	R	Х
		Ę	Others

ARPSH01 Series Standard Rocker Switch

Diagram



ARPSH02 **Series Standard Rocker Switch**

Product Features

- · Multiple options of terminal type
- · Multiple options of stem mark and housing
- · Choice of switch currents of 16A to 20A
- RoHS Compliant



Materials

Part Name	Base	Contact	Stem	Terminal
Material	PA66	Silver alloy	PA66	Brass Ag plating

Specification

Voltage Rating	16 to 20A 125/250V AC
Actuation Life Cycle	10,000 times
Operating Temperature Range	-20°C ~ 70°C
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	1500VAC for 1 minute
Contact Resistance	50mΩ max





1	2	3	4	5	6	Х
-	•		-	ON		
0						Others
=		0	0	OFF		

S	С	>
101	A N	



ARPSH02 Series Standard Rocker Switch





ARPSH03 **Series Standard Rocker Switch**

Product Features

- · Multiple options of terminal type
- · Multiple options of stem mark and housing
- · Choice of switch currents of 6A to 10A
- · RoHS Compliant



Materials

Part Name	Base	Contact	Stem	Terminal
Material	PA66	Silver alloy	PA66	Brass Ag plating

Specification

Voltage Rating	6 to 10A 125/250V AC
Actuation Life Cycle	10,000 times
Operating Temperature Range	-20°C ~ 70°C
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	1500VAC for 1 minute
Contact Resistance	50mΩ max





 \bigcirc

Others

OFF

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ARPSH03 Series Standard Rocker Switch



NO.DimensionsCircuitARPSH03C-xx26CImage: Circuit of the circuit o

ARPSH04(C) Series Standard Rocker Switch

Product Features

- · Multiple options of terminal type
- · Multiple options of stem mark and housing
- RoHS Compliant
- Current : 10A 125VAC, 6A 250VAC (UL) 6(4)A 250VAC (VDE) 6A 250VAC (CQC)



Materials

Part Namo	Page	Contact	Stom	Terminal
Fait Name	Dase	Contact	Stem	Terminal
Material	PA66	Silver alloy	PA66	Brass Ag plating

Specification

Voltage Rating	6A 250VAC, 10A 125VAC
Actuation Life Cycle	10,000 times
Operating Temperature Range	-20°C ~ 70°C
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	1500VAC for 1 minute
Contact Resistance	100mΩ max



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Diagram



ARPSH05 Series Miniature Rocker Switch

Product Features

- · Multiple options of terminal type
- · Multiple options of stem mark and housing
- RoHS Compliant
- Current : 3A, 125/250V AC (UL, VDE)



Materials

Part Name	Base	Contact	Stem	Terminal
Material	PA66	Silver alloy	PA66	Brass Ag plating

Specification

Voltage Rating	3A, 125/250V AC
Actuation Life Cycle	10,000 times
Operating Temperature Range	-20°C ~ 70°C
Insulation Resistance	1000MΩ min @ 500VDC
Dielectric Strength	1500VAC for 1 minute
Contact Resistance	50mΩ max





Stem Mark

1	2	3	4	5	6	Х
-	•	1	-	ON		
0						Others
=		0	0	OFF		

Iarminal	IVno
ICIIIIIai	

С	R	Х
	TE	Others

ARPSH05 Series Miniature Rocker Switch

Diagram



ARPSH06 **Series Rocker Switch**

Product Features

- · Multiple options of terminal type
- · Multiple options of stem mark and housing
- · RoHS Compliant
- Current : 20A, 125VAC / 16A, 250VAC (UL) 15A, 125VAC / 10A, 250VAC (UL) 10A & 16A, 250VAC (VDE)



Materials

Part Name	Base	Contact	Stem	Terminal
Material	PA66	Silver alloy	PA66	Brass Ag plating

Specification

Voltage Rating	20A, 125VAC / 16A, 250VAC
Actuation Life Cycle	10,000 times
Operating Temperature Range	-20°C ~ 70°C
Insulation Resistance	1000MΩ min @ 500VDC
Dielectric Strength	1500VAC for 1 minute
Contact Resistance	50mΩ max





Others

0 Ο OFF

Others

0

=

ARPSH06 Series Rocker Switch




Product Features

- Post supported
- Tiny Type
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	LCP	SUS	LCP	Phosphor Bronze Ag plated	Phosphor Bronze Ag plated

Specification

Operating Force	50gf Max
Operating Temperature Range	-20°C ~ 70°C
Voltage Rating	1mA, 5VDC
Actuation Life Cycle	100,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	100VAC for 1 minute
Contact Resistance	2Ω max





DAEPV01 Series Detector Switch





DAEPV02 Series Detector Switch

Product Features

- Post supported
- Tiny Type
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	High-temp Thermoplasitc	SUS	High-temp Thermoplasitc	Phosphor Bronze Ag plated	Brass Ag plated

Specification

Operating Force	40gf Max
Operating Temperature Range	-10°C ~ 60°C
Voltage Rating	10mA, 5VDC
Actuation Life Cycle	50,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	100VAC for 1 minute
Contact Resistance	1Ω max

Part Number



DAEPV02 Series Detector Switch





DAEPH03 Series Detector Switch

Product Features

- · Post / Ground pin supported
- Two-way Direction
- RoHS Compliant



Materials

Part Name	Base	Cover	Stem	Contact	Terminal
Material	PA66	SUS	PA66	Phosphor Bronze Ag plated	Brass Ag plated

Specification

Operating Force	50gf Max
Operating Temperature Range	-10°C ~ 60°C
Voltage Rating	20mA, 20VDC
Actuation Life Cycle	50,000 times
Insulation Resistance	100 MΩ min @ 100VDC
Dielectric Strength	100VAC for 1 minute
Contact Resistance	1Ω max





DAEPH03 Series Detector Switch



Diagram



) Card

HTCS03AA01









SPECIFICATION

Contact Resistance 100mΩ MAX Insulation Resistance Card Inserttion Force Operating Life 10,000 Cycles Operating Temp -25°C to +85°C

1000MΩ MIN. 500VDC 15N MAX

HTCS03AA02









SPECIFICATION

Contact Resistance	80mΩ MAX		
Insulation Resistance	1000MΩ MIN. 500VDC	편 역 역 역 · · · · · · · · · · · · · · · ·	
Card Inserttion Force	9.8N MAX		
Operating Life	10,000 Cycles		
Operating Temp	-25°C to +90°C		·

HTCS03AA03



SPECIFICATION

Contact Resistance 80mΩ MAX Insulation Resistance 1000MΩ MIN 9.8N MAX Operating Life 10,000 Cycles Operating Temp -25°C to +90°C



Micro SD Card

HTCM19AA01



HTCM03AA02





SPECIFICATION

30mΩ MAX
1000MΩ MIN. 500VDC
0.5A MAX
10,000 Cycles
-40°C to +85°C

HTCM03AA03



SPECIFICATION

Contact Resistance 50mΩ MAX Insulation Resistance Current Rating 0.5A MAX Card Insertion Force Operating Life 10,000 Cycles Operating Temp -40°C to +90°C

1000MΩ MIN. 500VDC 9.8N MAX







SIM Card

HTCY190001



SPECIFICATION Contact Resistance 100mΩ max

Insulation Resistance 1,000MΩ,500VDC Operating Life 5,000 Insertions Operating Temp -40°C~70°C

Current Rating 0.5mA AC/DC max

HTCY190002



SPECIFICATION

Contact Resistance	100mΩ max
Insulation Resistance	1,000MΩ,100\
Current Rating	0.5A
Operating Life	500 cycles
Operating Temp	-40°C~70°C



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5.50±0.2 CARD EJECT

.00±0.2 CARD

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CARD CENTER

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LARARA L

0.90

2-2.90

4-1.55

15.80

2-2.60 GND

7.62 cs c1 c6 c2 c7 c3 c0

1.56

GND

HTCX190003



SPECIFICATION

Contact Resistance 60mΩ max Insulation Resistance 1,000MΩ min Current Rating 1A Operating Life -25°C~70°C



2.70







LAN<RJ45+Trans>

HTCR0575



SPECIFICATION

Contact Resistance	50mΩ MAX
sulation Resistance	500ΜΩΜΙΝ
Current Rating	0.5A MAX
Withstand Voltage	1000V AC
Operating Life	1,000 Cycles
Operating Temp	0°C to +70°C

HTCR0581



SPECIFICATION

Contact Resistance	50mΩ MAX
Insulation Resistance	500ΜΩΜΙΝ
Current Rating	0.5A MAX
Withstand Voltage	1000V AC
Operating Life	1,000 Cycles
Operating Temp	0°C to +70°C

HTCR0581-2



SPECIFICATION

Contact Resistance	50
nsulation Resistance	50
Current Rating	1.!
Withstand Voltage	10
Operating Life	1,0
Operating Temp	-0

50mΩ MAX 500MΩMIN 1.5A MAX 1000V AC 1,000 Cycles 0°C to +70°C















15.0 [.591]





2.54 [.100]

4.90

13.2 [.520]

DMI

HTCH03AA01



SPECIFICATION

Contact Resistance 30mΩ MAX Insulation Resistance 100MΩ MIN Current Rating 0.5A MIN Withstand Voltage 500VAC

Operating Life 10,000 Cycles Operating Temp -25°C to +70°C



HTCHN031101003



SPECIFICATION

Contact Resistance	30mΩ MAX
sulation Resistance	100MΩ MIN
Current Rating	0.5A MIN
Withstand Voltage	500VAC
Operating Life	10,000 Cycles
Operating Temp	-25°C to +70°C

10.50+0.04 7.20 |2.50[±]883 N□.19¬ _____ 19-0.40 -C0.15 hannal ٣ -ND.1 1.22 6.30 SECTION B-B 10.85 11.20 1.02 1 Α-19-0.40 1.25 0 0 4-0.65 H B Ø (0)Q_____ \bigcirc n 1.40 A _ 0.16 SECTION A-A 0.40 (3) HDMI RECEPTACLE, TYPE C-PCB EDGE COMPONENT SIDE (PCB LAYOUT)

HTCHC030001



SPECIFICATION

Contact Resistance 10mΩ MAX Insulation Resistance 100MΩ MIN Current Rating 0.5A MIN Withstand Voltage 300VAC Operating Life 10,000 Cycles Operating Temp -25°C to +70°C







USB

HTCU03AA01



SPECIFICATION

Contact Resistance
nsulation Resistance
Current Rating
Withstand Voltage
Operating Life
Operating Temp

1.8A MAX 100VAC 1,500 Cycles -20°C to +70°C

30mΩ MAX

100MΩ MIN

HTCU05AA02



13.10 12.40 旧 3

12.50

15.40

7 7

12.50

BB

12.80

14.5

1.77

1.20

0.30

6,99±0,25

<u>20</u> 1.50 2.10

2

T=0.30(Shell)

U

-C

7,12±0,25



0.90

0.30

8.00

-PCB EDGE



HTCU03AA03

Operating Temp -20°C to +70°C

Contact Resistance 30mΩ MAX

1000MΩ MIN

1,500 Cycles

1.5A MAX

1000VAC

SPECIFICATION

Current Rating

Withstand Voltage Operating Life



SPECIFICATION

 Contact Resistance
 50mΩ MAX

 Insulation Resistance
 1000MΩ MIN

 Current Rating
 1.5A MIN
 Withstand Voltage 500VAC Operating Life 1,500 Cycles Operating Temp -55°C to +85°C





Micro USB

HTCI03AA01



SPECIFICATION

- Contact Resistance 30mΩ MAX Insulation Resistance 1000MΩ MIN Current Rating 1.5A MAX Withstand Voltage 100VAC Operating Life 10,000 Cycles Operating Temp -20°C to +85°C

HTCI03AA02



SPECIFICATION

30mΩ MAX
1000MΩ MIN
1.5A MAX
100VAC
10,000 Cycles
-20°C to +85°C

HTCI03AA03



SPECIFICATION

Contact Resistance 30mΩ MAX Insulation Resistance100MΩ MINCurrent Rating1.8A MAX Withstand Voltage 100VAC Operating Life 10,000 Cycles Operating Temp -20°C to +85°C











5.0

Λ

2.35

0.80

0.50

0.10







2.30 2.30







DC Jack

HTJC17AA01



SPECIFICATION

Contact Resistance	≤30mΩ MAX
nsulation Resistance	≥100MΩ MIN
Card Insetion Force	3-30N
Withstand Voltage	500VAC
Operating Life	5,000 Cycles
Operating Temp	-20°C to +70°C

HTJC17AA02





11±0.2 6.5±0.2

2.5

5±0.

6

⊕ П

3.9±0.2

▲(G)1.5

▲(I)3.6

16.3±0.2 PIN±0.03

3

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æ





(D) Ø0.65±0.03 ▲(B)3 ▲(C)1.3±0.1 1.1 <u>3-0.2±0.1</u> ▲(F)4.2±0.25

▲(H)8

Ш

0.7±0.1

-1±0.1

▲(J)2.45



Terminal NO.

12

SPECIFICATION

Contact Resistance	≤30mΩ MAX
Insulation Resistance	≥100MΩ MIN
Card Insetion Force	3-30N
Withstand Voltage	500VAC
Operating Life	5,000 Cycles
Operating Temp	-20°C to +70°C

HTJC17AA03



SPECIFICATION

Contact Resistance≤30mΩ MAXInsulation Resistance≥100MΩ MIN Card Insetion Force 3-30N Withstand Voltage 500VAC Operating Life 5,000 Cycles Operating Temp -20°C to +70°C









Phone Jack

HTJP17AA01



SPECIFICATION

≤30mΩ MAX
≥100MΩ MIN
3-25N
500VAC
5,000 Cycles
-20°C to +70°C

HTJP17AA02



▲(A)6.0 (D)Ø3.6±0.05 ▶(B)5.0 0.12 ►(C)2.5±0.15 3–'7.5

▲(F)11.5

(H)6.0±0.2

↓D 10 2-0.6

▲(A)7.2±0.2 ▲(B)6±0.2 <u>3.25_ρ.95</u>

▲(E)8.6

▲(G)12

C l

0.35

1.45

▲(E) 2.5±0.15

▲(G)2.5±0.15

(C)5±0.2► 4.05 ► (D)3.3±0.2 55. (F)\$2.6±0.05

▲ ∠______0.08



.15

面 2.9 3

П

2.5

11.5

P.C.B LAYOUT (COPPER-SIDED VIEW)

6x1.5

> 3 > 2 > 4



P.C.B LAYOUT (COPPER-SIDED VIEW)

SPECIFICATION Contact Resistance <30mΩ MAX

Insulation Resistance	≥100MΩ MIN
Card Insetion Force	3-30N
Withstand Voltage	500VAC
Operating Life	5,000 Cycles
Operating Temp	-20°C to +70°C

HTJP17AA03



SPECIFICATION

Contact Resistance ≤30mΩ MAX Insulation Resistance ≥100MΩ MIN Card Insetion Force 3-30N
 Withstand Voltage
 500VAC

 Operating Life
 5,000 Cycles
 Operating Temp -20°C to +70°C





P.C.B LAYOUT (COPPER-SIDED VIEW)

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TYPE-C

HTCC270002



HTCC270003



HTCC270005



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SPECIFICATION

Insertion5-20NExtraction6-20NDurability10000 cyclesCurrent3Amax for vbusVoltage5V ACWithstanding voltage100VACContact resistance40mΩ MaxInsulation resistance100MΩ MinTEMPERATURE RANGE-40°C TO +85°C











CONNECTOR PE-C

HTCC270009



HTCC270010



HTCC270011



TYPE-C

HTCC270012



SPECIFICATION

Insertion	5~20N
Extraction	6~20N
Durability	10000 cycles
Current	5Amax for vbus
Voltage	20V AC
Withstanding voltage	100VAC
Contact resistance	40mΩ Max
Insulation resistance	100MΩ Min
TEMPERATURE RANGE	-40°C TO +85°C

HTCC270013





HTCC270014



 Voltage
 20V AC

 Withstanding voltage
 100VAC

 Contact resistance
 40mΩ Max

 Insulation resistance
 100MΩ Min

 TEMPERATURE RANGE
 -40°C TO +85°C





