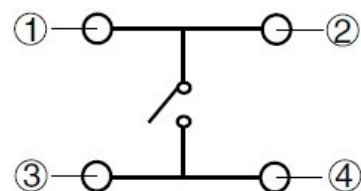
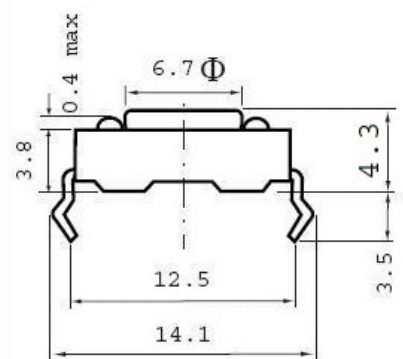
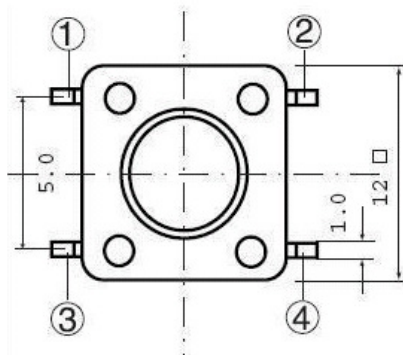


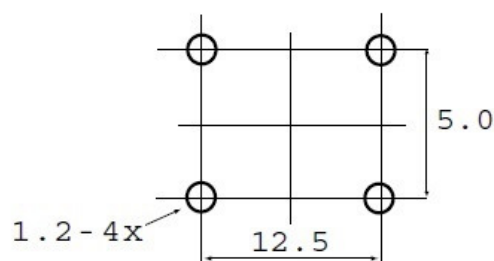
PART NUMBER: 60-3S5-043

DESCRIPTION: 12X12X4.3mm STANDARD TACT SWITCH

ROHS COMPLIANT



CIRCUIT DIAGRAM



PCB LAYOUT

SPECIFICATIONS

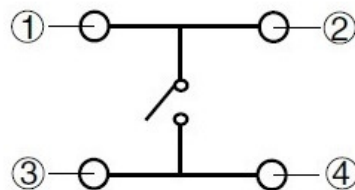
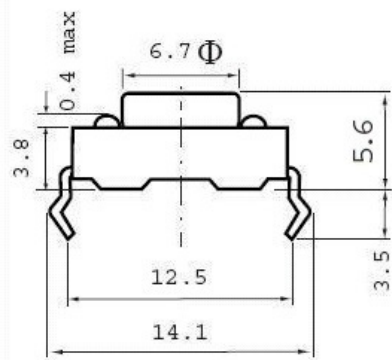
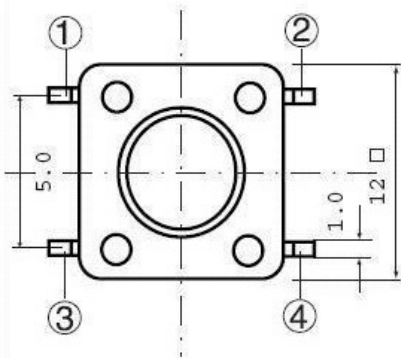
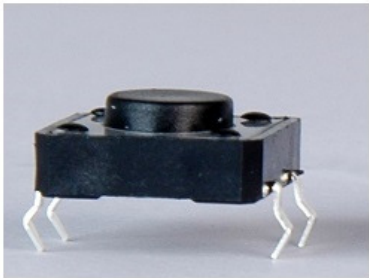
Items		Standard
Operating temperature range		-30°C to +85°C
Electrical performance	Rating	50mA. 12V DC
	Insulation resistance	100MΩ min. 100V DC
	Dielectric strength	250V AC for 1 min.
	Contact resistance	100mΩ max.
Durability	Lifetime	100,000 Cycles
Mechanical performance	Operating force	180gf 250gf
	Travel	0.25 ± 0.1mm

Dimensional tolerance +/- 0.2mm

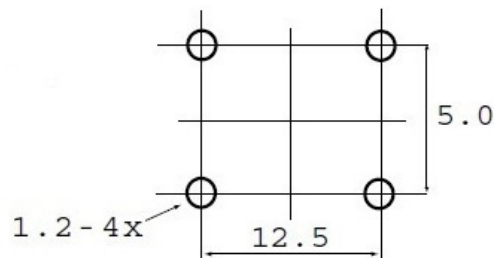


PART NUMBER: 60-3S5-056
DESCRIPTION: 12X12X5.6mm STANDARD TACT SWITCH

ROHS COMPLIANT



CIRCUIT DIAGRAM



PCB LAYOUT

SPECIFICATIONS

Items		Standard
Operating temperature range		-30℃ to +85℃
Electrical performance	Rating	50mA. 12V DC
	Insulation resistance	100MΩ min. 100V DC
	Dielectric strength	250V AC for 1 min.
	Contact resistance	100mΩ max.
Durability	Lifetime	100,000 Cycles
Mechanical performance	Operating force	180gf 250gf
	Travel	0.25 ± 0.1mm

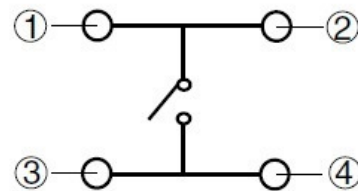
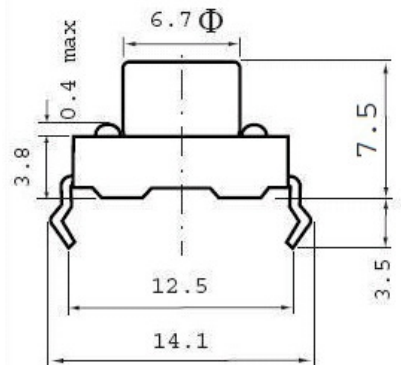
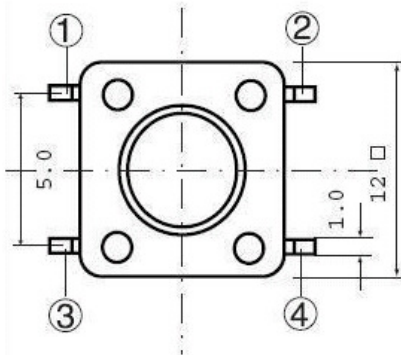
Dimensional tolerance +/- 0.2mm



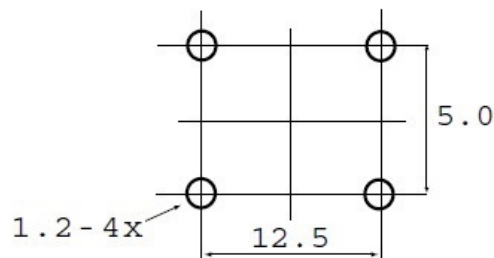
PART NUMBER: 60-3S5-075

DESCRIPTION: 12X12X7.5mm STANDARD TACT SWITCH

ROHS COMPLIANT



CIRCUIT DIAGRAM



PCB LAYOUT

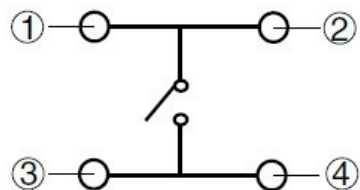
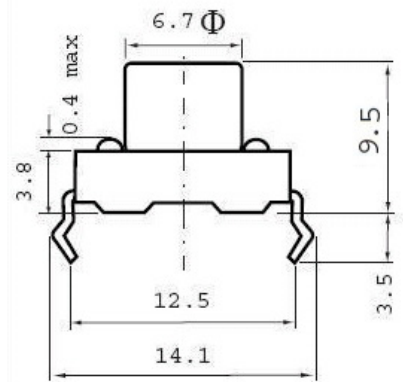
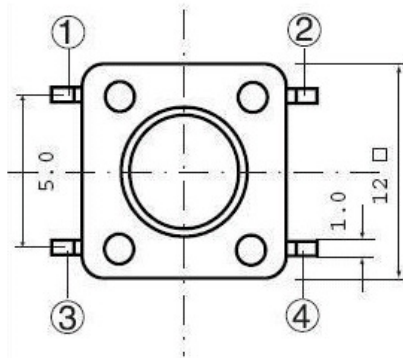
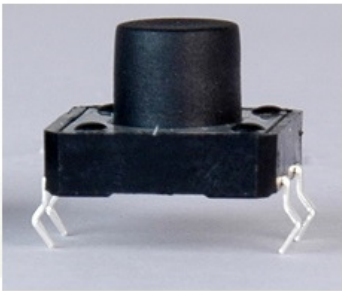
SPECIFICATIONS

Items		Standard
Operating temperature range		-30°C to +85°C
Electrical performance	Rating	50mA. 12V DC
	Insulation resistance	100MΩ min. 100V DC
	Dielectric strength	250V AC for 1 min.
	Contact resistance	100mΩ max.
Durability	Lifetime	100,000 Cycles
Mechanical performance	Operating force	180gf 250gf
	Travel	0.25 ± 0.1mm

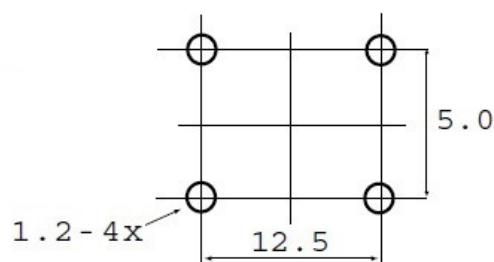
Dimensional tolerance +/- 0.2mm

PART NUMBER: 60-3S5-095
DESCRIPTION: 12X12X9.5mm STANDARD TACT SWITCH

ROHS COMPLIANT



CIRCUIT DIAGRAM



PCB LAYOUT

SPECIFICATIONS

Items		Standard
Operating temperature range		-30℃ to +85℃
Electrical performance	Rating	50mA. 12V DC
	Insulation resistance	100MΩ min. 100V DC
	Dielectric strength	250V AC for 1 min.
	Contact resistance	100mΩ max.
Durability	Lifetime	100,000 Cycles
Mechanical performance	Operating force	180gf 250gf
	Travel	0.25 ± 0.1mm

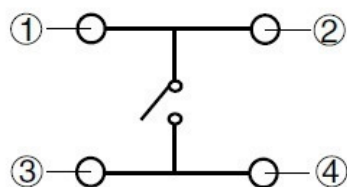
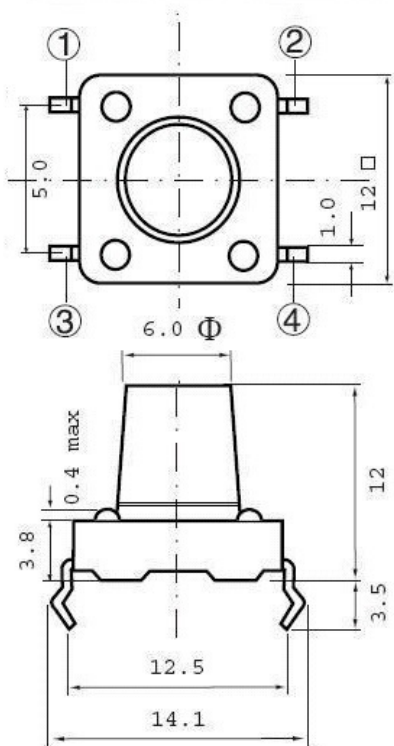
Dimensional tolerance +/- 0.2mm



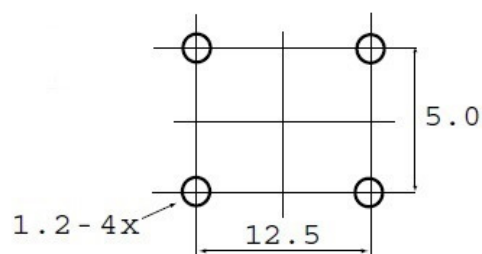
PART NUMBER: 60-3S5-120

DESCRIPTION: 12X12X12mm D STEM TACT SWITCH

ROHS COMPLIANT



CIRCUIT DIAGRAM



PCB LAYOUT

SPECIFICATIONS

Items		Standard
Operating temperature range		-30℃ to +85℃
Electrical performance	Rating	50mA. 12V DC
	Insulation resistance	100MΩ min. 100V DC
	Dielectric strength	250V AC for 1 min.
	Contact resistance	100mΩ max.
Durability	Lifetime	100,000 Cycles
Mechanical performance	Operating force	180gf 250gf
	Travel	0.25 ± 0.1mm

Dimensional tolerance +/- 0.2mm

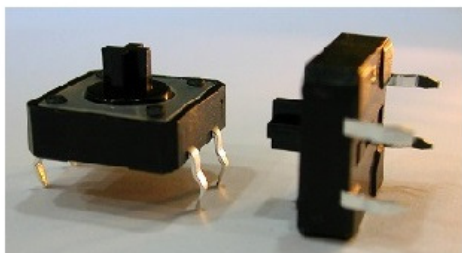
REV. 00 DATE 12/07/2017

 PRAN ELECTRONICS PVT. LTD.
INDIA.

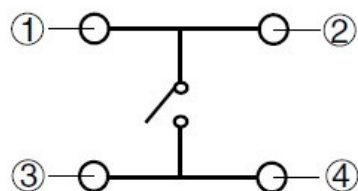
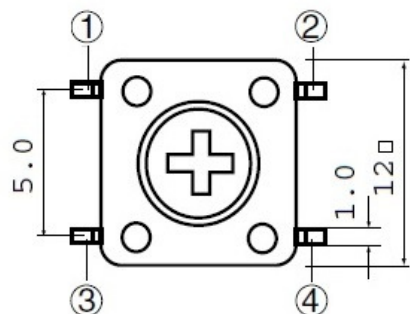
PART NUMBER: 60-3S5-K73

DESCRIPTION: 12X12mm TACT SWITCH WITH CROSS STEM (K STEM)

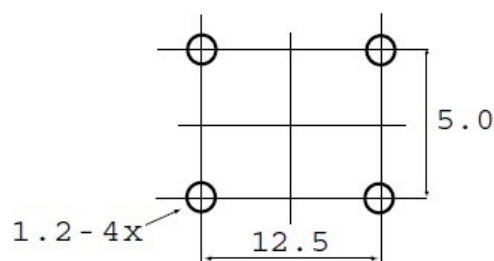
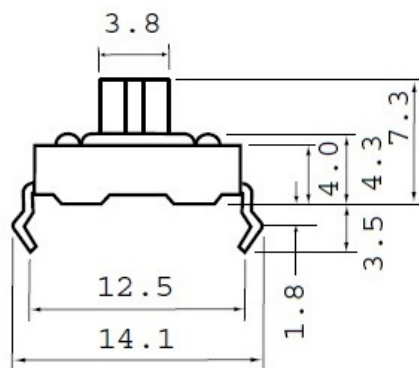
ROHS COMPLIANT



KNOBS SIZES: 8X6MM 7MM DIA. 10X10MM 12.5X12.5MM



CIRCUIT DIAGRAM



PCB LAYOUT

SPECIFICATIONS

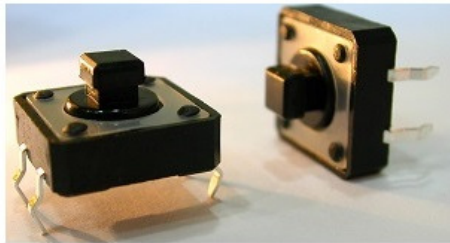
Items		Standard
Operating temperature range		-30°C to +85°C
Electrical performance	Rating	50mA. 12V DC
	Insulation resistance	100MΩ min. 100V DC
	Dielectric strength	250V AC for 1 min.
	Contact resistance	100mΩ max.
Durability	Lifetime	100,000 Cycles
Mechanical performance	Operating force	180gf 250gf
	Travel	0.25 ± 0.1mm

Dimensional tolerance +/- 0.2mm

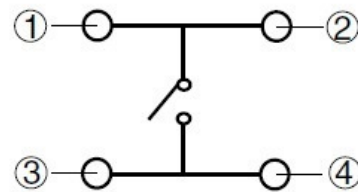
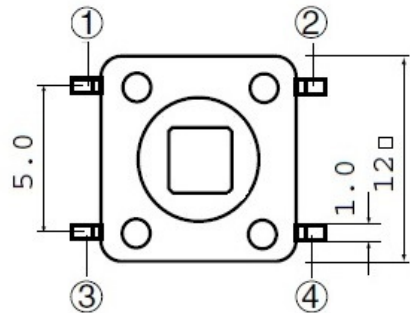
PART NUMBER: 60-3S5-T73

DESCRIPTION: 12X12mm TACT SWITCH WITH SQUARE STEM (T STEM)

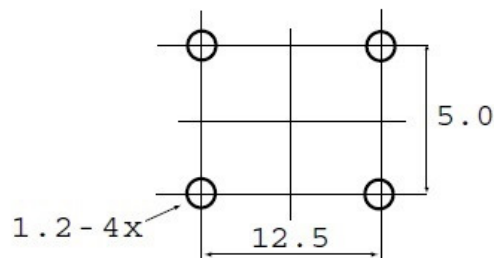
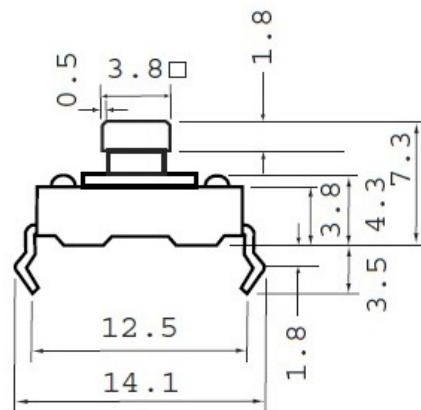
ROHS COMPLIANT



KNOBS SIZES



CIRCUIT DIAGRAM



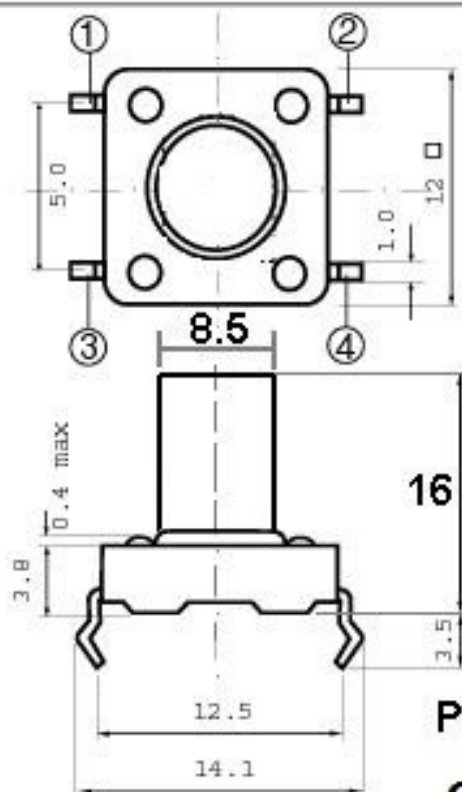
PCB LAYOUT

SPECIFICATIONS

Items		Standard
Operating temperature range		-30°C to +85°C
Electrical performance	Rating	50mA. 12V DC
	Insulation resistance	100MΩ min. 100V DC
	Dielectric strength	250V AC for 1 min.
	Contact resistance	100mΩ max.
Durability	Lifetime	100,000 Cycles
Mechanical performance	Operating force	180gf 250gf
	Travel	0.25 ± 0.1mm

Dimensional tolerance +/- 0.2mm

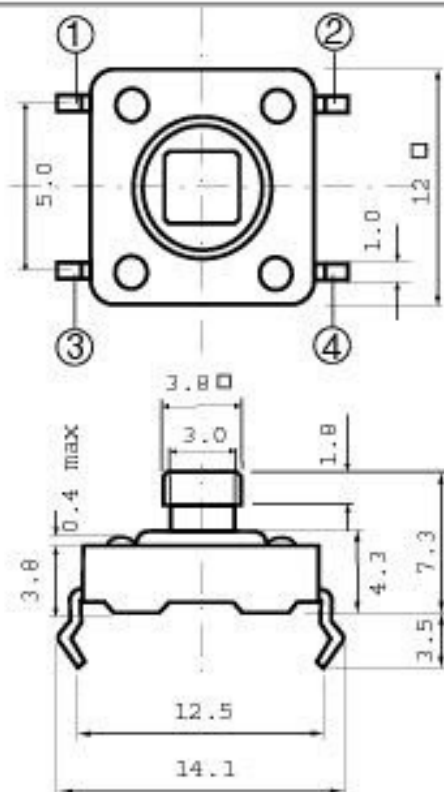
TACT SWITCH: 12 X 12 TYPE 60-3000 WITH KNOBS



KNOBS	
SIZE x H	CODE
8 x 6 x 4	K40X0
7Φ x 4	K41X0
10x10x4	K42X0
12.5x12.5x4	K43X0

COLOUR
CODE

Part code:
60-3S5G



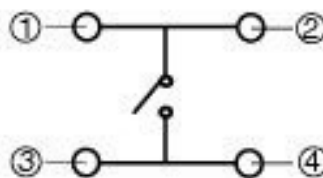
SQUARE STEM T

OPERATING		SWITCH CODE				SWITCH CODE			
FORCE (GRAMS)	LIFE (CYCLES)								
100	100,000	60-3S4K				60-3S4T			
130	100,000	60-3S1K				60-3S1T			
180	1,000,000	60-3S5K				60-3S5T			
		STANDARD				STANDARD			
250	100,000	60-3S3K				60-3S3T			
KNOB COLOUR		BLACK	WHITE	GREY	YELLOW	GREEN	BLUE	ORANGE	RED
CODE		2	3	4	5	6	7	8	9

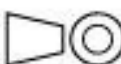
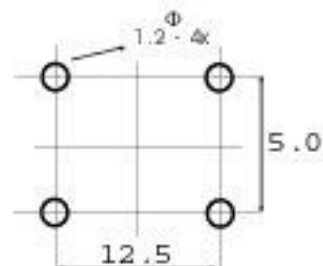
SPECIFICATIONS:

CONTACT	: METAL CONTACT
RATING	: 50 mA x 12 V DC
CONTACT RESISTANCE	: 100 mΩ MAX
PROOF VOLTAGE	: 250 V AC FOR 1 MIN
INSULATION RESISTANCE	: 100 MΩ MIN/100 V DC
RESISTANCE TO SOLDERING HEAT	: HAND 270 ± 10°C - 3 SEC MAX AUTO 255 ± 5°C - 5 SEC MAX

CIRCUIT DIAGRAM



PCB MOUNTING HOLE LAYOUT



PRODUCT: TACT SWITCH 12 x 12 TYPE: 60-3000 WITH KNOBS

DIMENSIONS: MM TOLERANCE: ± 0.2 MM

CHECKED BY:

DATE:

APPROVED BY:

DATE:

Pran Electronics Pvt. Ltd.

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Vadodara 390 010, INDIA.
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