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6x6 mm tact switches

Print and SMD Switch 6x6



LSH: Gullwing, variable height



LPS: Through hole, square



LPV: Through hole, angled

See below:
Approvals and Compliances

Description

- Switches are possible with different heights
- Design 6x6 mm Through hole or SMD mounting
- Solder terminals
- Variants: LSH, LSG,. LPH, LPV, LPS

Unique Selling Proposition

- Reliable tactile feedback on input
- Simple assembly
- Long life time

Weblinks

pdf data sheet, html datasheet, General Product Information, CAD-Drawings, Product News, Detailed request for product

Technical Data

Electrical Data	
Switching Voltage	12 VDC
Switching current	50 mA
Lifetime	> 10^5 actuations at Rated Switching Capacity
Contact Resistance	max. 100 mΩ
	max. 100 mΩ after lifetime
Duration of Bounce	typ. 0.1 ms
Mechanical Data	
Actuating Force	1.6 ± 0.5 N
Actuating Travel	0.25 + 0.2 / -0.1 mm
End Stop Strength	50 N / 3 s
Lifetime	> 10^5 actuations

Climatical Data	
Operating Temperature	-20 °C to 70 °C
Storage Temperature	-30 °C to 85 °C
IP-Protection	IP40
Soldering Data	
Soldering Methods	Reflow
Solderability	245 °C / 5 sec (IEC 60068-2-58 Test Td)
Resistance to Soldering Heat	260 °C / 10 sec (IEC 60068-2-58 Test Td)
Material	
Terminals	CuZn37 0.7 µm Ag
Socket	UL 94V-0
Actuator	UL 94V-0

Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in Details about Approvals

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

Application standards

Application standards where the product can be used

Organization	Design	Standard	Description
IEC	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

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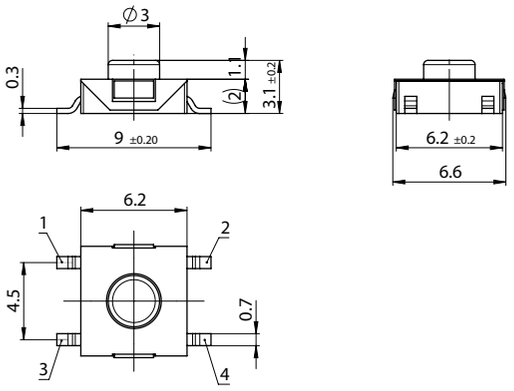
Compliances

The product complies with following Guide Lines

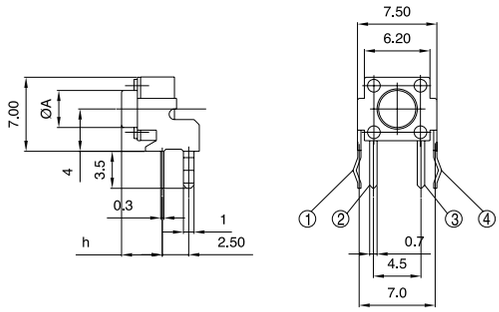
Identification	Details	Initiator	Description
RoHS COMPLIANT	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
REACH	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

Dimension [mm]

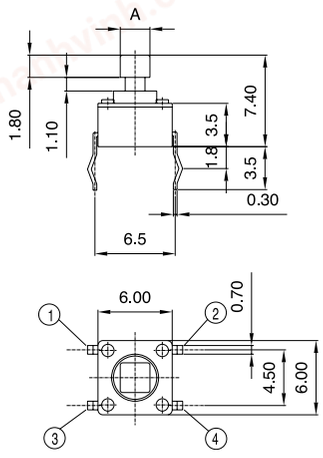
LSG Gullwing basic module



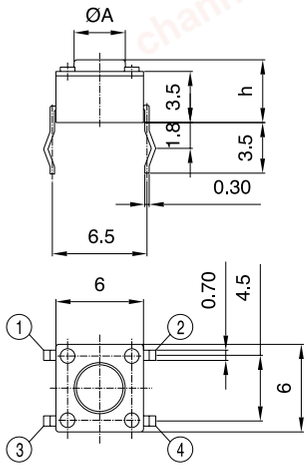
LPV PCB basic module



LPS PCB basic module

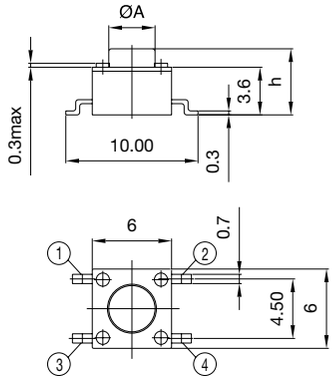


LPH PCB basic module



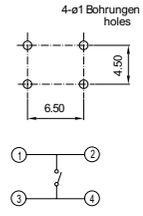
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LSH Gullwing basic module

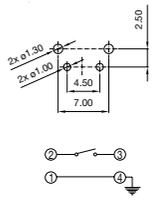


Drilling diagrams

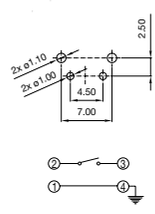
LPH / LPS PCB lead



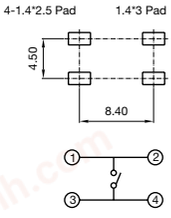
LPV PCB lead: 1301.9501, 1301.9502



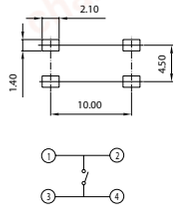
LPV PCB lead: 1301.9503



LSG: Gullwing



LSH Gullwing lead



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Order number key

L	S	H	-	H08	-	D06	-	A	-	S	-	4	-	B
		1		2		3		4		5		6		7

Type			1
LSH	=	LSH	
LSG	=	LSG	
LPH	=	LPH	
LPS	=	LPS	

Switch height			2
3.1 mm	=	H01	
3.85 mm	=	H02	
4.3 mm	=	H04	
5.0 mm	=	H08	
6.15 mm	=	H10	
7.0 mm	=	H11	
7.3 mm	=	H12	
7.4 mm	=	H13	
8.0 mm	=	H17	
9.5 mm	=	H23	
11.35 mm	=	H28	
12.5 mm	=	H33	

Actuator diameter			3
2.4 mm	=	D01	
2.8 mm	=	D02	
3.0 mm	=	D03	
3.2 mm	=	D04	
3.3 mm	=	D05	
3.4 mm	=	D06	
3.5 mm	=	D07	

Contact configuration			4
SPST	=	A	

Soldering type			5
None	=	0	
THT	=	T	
SMD	=	S	
Manual soldering	=	M	

Terminal type			7
Standard	=	0	
Straight	=	1	
Solder	=	2	
J-Connector	=	3	
Gullwing	=	4	

Packaging			8
None	=	0	
Blister	=	A	
Bulk material	=	B	

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Variants

Type	Terminal	Type	Actuator ⌀ A / Overall height	Packaging	Order Number
LPH	Through hole	Height variable	4.30 mm	loose in boxes(2000 pcs.)	1301.9301
LPH	Through hole	Height variable	5.00 mm	loose in boxes(2000 pcs.)	1301.9302
LPH	Through hole	Height variable	7.00 mm	loose in boxes(2000 pcs.)	1301.9303
LPH	Through hole	Height variable	7.30 mm	loose in boxes(2000 pcs.)	1301.9304
LPH	Through hole	Height variable	8.00 mm	loose in boxes(2000 pcs.)	1301.9305
LPH	Through hole	Height variable	9.50 mm	loose in boxes(2000 pcs.)	1301.9306
LPH	Through hole	Height variable	12.50 mm	loose in boxes(2000 pcs.)	1301.9307
LPS	Through hole	square 2.40 mm x 2.40 mm	-	loose in boxes(2000 pcs.)	1301.9308
LPS	Through hole	square 2.80 mm x 2.80 mm	-	loose in boxes(2000 pcs.)	1301.9309
LPV	Through hole	angled	3.85 mm	loose in boxes(1000 pcs.)	1301.9501
LPV	Through hole	angled	11.35 mm	loose in boxes(1000 pcs.)	1301.9502
LPV	Through hole	angled	6.15 mm	loose in boxes(2000 pcs.)	1301.9503
LSG	Gullwing	-	3.10 mm	Blister Tape 33 cm Reel(1500 pcs.)	1301.9324.25
LSH	Gullwing	Height variable	4.30 mm	loose in boxes(2000 pcs.)	1301.9314
LSH	Gullwing	Height variable	4.30 mm	Blister Tape 33 cm Reel(1000 pcs.)	1301.9314.24
LSH	Gullwing	Height variable	5.00 mm	loose in boxes(2000 pcs.)	1301.9315
LSH	Gullwing	Height variable	5.00 mm	Blister Tape 33 cm Reel(1000 pcs.)	1301.9315.24
LSH	Gullwing	Height variable	7.00 mm	loose in boxes(2000 pcs.)	1301.9316
LSH	Gullwing	Height variable	7.00 mm	Blister Tape 33 cm Reel(750 pcs.)	1301.9316.24
LSH	Gullwing	Height variable	7.30 mm	loose in boxes(2000 pcs.)	1301.9317
LSH	Gullwing	Height variable	7.30 mm	Blister Tape 33 cm Reel(750 pcs.)	1301.9317.24
LSH	Gullwing	Height variable	8.00 mm	loose in boxes(2000 pcs.)	1301.9318
LSH	Gullwing	Height variable	8.00 mm	Blister Tape 33 cm Reel(500 pcs.)	1301.9318.24
LSH	Gullwing	Height variable	9.50 mm	loose in boxes(2000 pcs.)	1301.9319
LSH	Gullwing	Height variable	9.50 mm	Blister Tape 33 cm Reel(400 pcs.)	1301.9319.24
LSH	Gullwing	Height variable	12.50 mm	loose in boxes(2000 pcs.)	1301.9320
LSH	Gullwing	Height variable	12.50 mm	Blister Tape 33 cm Reel(250 pcs.)	1301.9320.24

Availability for all products can be searched real-time: https://www.schurter.com/en/info-center/support-tools/stock-check-distributors

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The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.