

GDHL Series, Half Pitch, Ultra Low Profile, SMT

DIP Switches

Features

- Bifurcated gold wiping contact system (gold to gold contact system)
- Height of only 1.50 mm (.059)
- Tape seal standard, with corner notch
- Vacuum pick and place compatible
- Shipped in the OFF position, ON position on request



Typical performance characteristics

Contact configuration SPST
 Contact rating, non-switching. 100 mA @ 50 VDC
 Contact rating, switching. 25mA @ 24 VDC
 Electrical life. 1,000 cycles
 Mechanical life. 1,000 cycles
 Contact resistance max 100 mOhm
 Insulation resistance min 100 MOhm
 Dielectric strength 300 VAC for 1 min
 Actuation force. 4.90 N (490 gf) max
 Actuator travel 0.80 mm (.032) average

Environmental specification

Operating temperature -30 to +85°C
 Storage temperature -45 to +100°C
 Solder heat resistance 260°C/10s reflow

Material specifications

Contacts copper alloy gold finish
 Actuator lcp
 Terminals copper alloy gold finish
 Base pps
 Cover pps
 Tape seal polyimide film
 RoHS Directive 2002/95/EC compliant

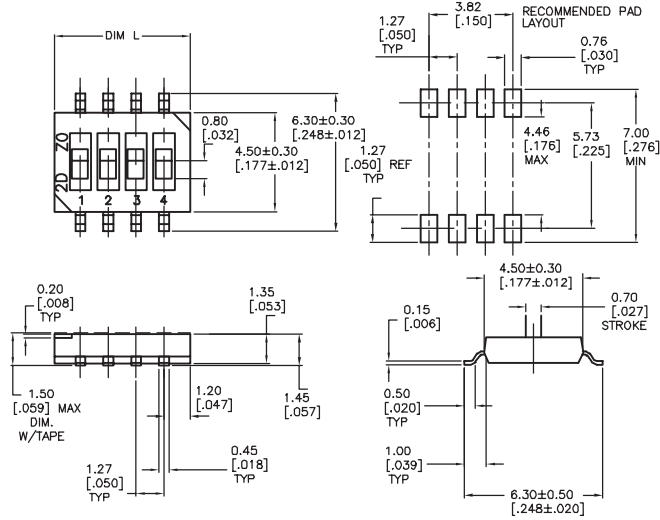
Product key		Typical product key		GDHL	04	S	TR
Type							
GDHL		Half pitch, ultra low profile DIP switch					
Positions							
02	2 positions	08	8 positions				
04	4 positions	10	10 positions				
06	6 positions						
Terminal							
S	surface mount - SMT						
Packaging							
blank	tube						
TR	tape & reel						

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Positions



Codes 02 to 10 2 to 10 poles



Code	Positions	Dim L
02	2	3.76mm (.148)
04	4	6.30mm (.248)
06	6	8.84mm (.348)
08	8	11.38mm (.448)
10	10	13.92mm (.548)

Product key	Positions	Terminal	Packaging	Part Number
GDHL02S	2 positions	SMT	tube	1977103-1
GDHL02STR			tape & reel	1977103-2
GDHL04S	4 positions		tube	1977103-3
GDHL04STR			tape & reel	1977103-4
GDHL06S	6 positions		tube	1977103-5
GDHL06STR			tape & reel	1977103-6
GDHL08S	8 positions		tube	1977103-7
GDHL08STR			tape & reel	1977103-8
GDHL10S	10 positions		tube	1977103-9
GDHL10STR			tape & reel	1-1977103-0

Preferred parts in bold print