

GDHL Series, Half Pitch, Ultra Low Profile, SMT

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

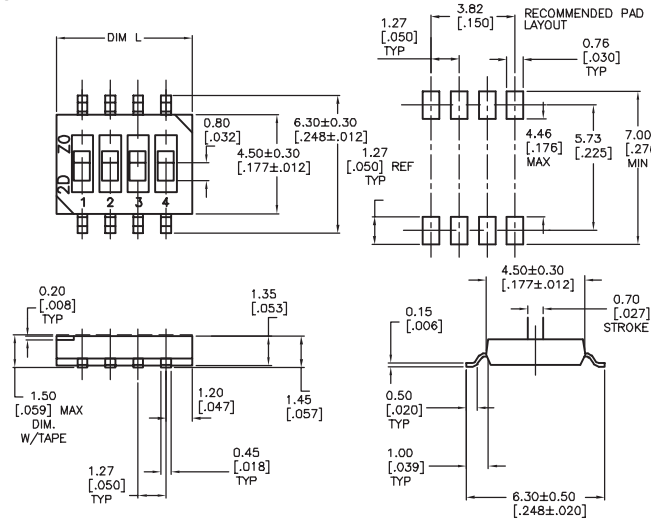
blank tube
TR tape & reel

GDHL Series, Half Pitch, Ultra Low Profile, SMT (Continued)

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