

knitter-switch

Product-Discontinuation Notice

Affected products: DHS 104, DHS 106, DHS 108, DHS 110

Effective date: after current stock is sold out

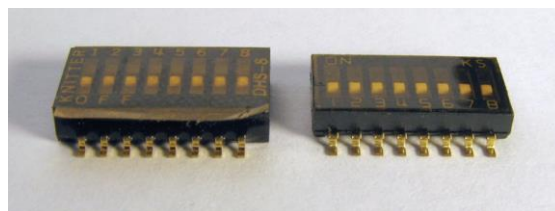
Details:

The production of these switches stopped because of supplier problems.

For replacement, we recommend DHS 100 N series, which is fitting the PCB-layout recommended for DHS 100 series.

The new series also features increased operation temperature and life, and is designed for compatibility to JEDEC STD 020 soldering.

Part numbers are: DHS 104 N, DHS 106 N, DHS 108 N, DHS 110 N.



DHS 100

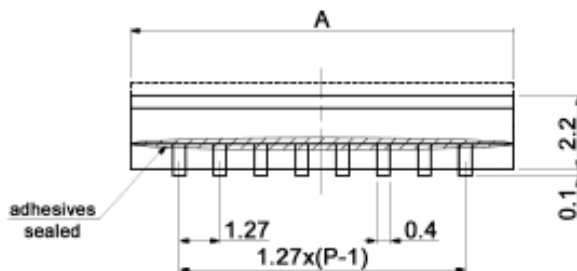
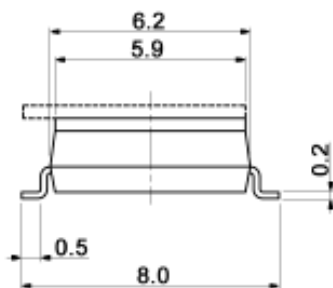
DHS100 N

knitter-switch, May 2021

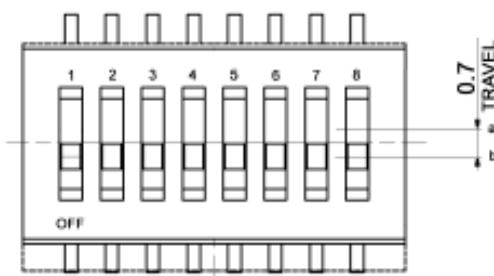
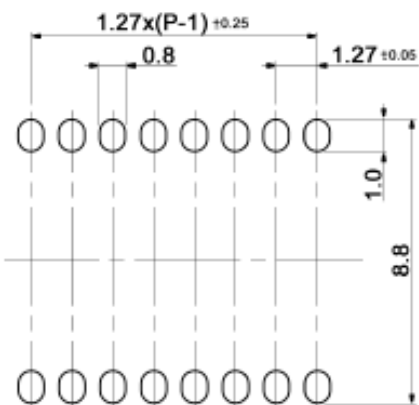
Oliver Kluj

Technical Director

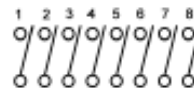
knitter-switch



P.C. MOUNTING



SCHEMATIC



Specifications:

Contact rating:	switching: 100mA, 6V; 25mA, 24V non-switching: 100mA, 50V DC		
Contact resistance:	100mOhm max.	Poles	A
Insulation resistance:	100MOhm min. at 100V DC	4	6.81
Dielectric strength:	250CV, 50Hz for the duration of 1 minute	6	9.35
Operating temperature:	-20°C to +80°C	8	11.89
Storage temperature:	-55°C to +85°C	10	14.43
Mechanical life:	min. 1 000 cycles		
Operating force:	max. 400gf		
Soldering conditions:	reflow soldering: max.: 250°C, 10sec.		
Mounting:	on pc-board - SMD		
Sealing:	by protective tape, washable by aqueous detergents and isopropyl alcohol		
Material:	Cover / base: PPS, resin, black Slider: nylon, yellow Contact: copper alloy, gold plated over nickel Terminal: copper alloy, gold flash over nickel Tape: polyimide		



Tolerances:	Date	Name
	06/13	dr
Sealing	11/13	dr
Modifications	Date	Name

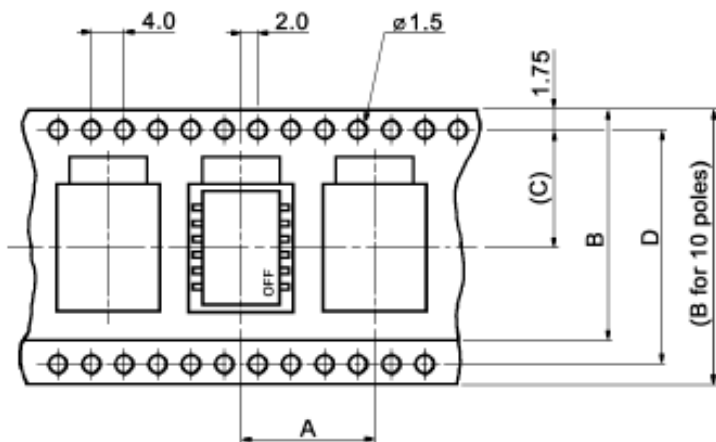
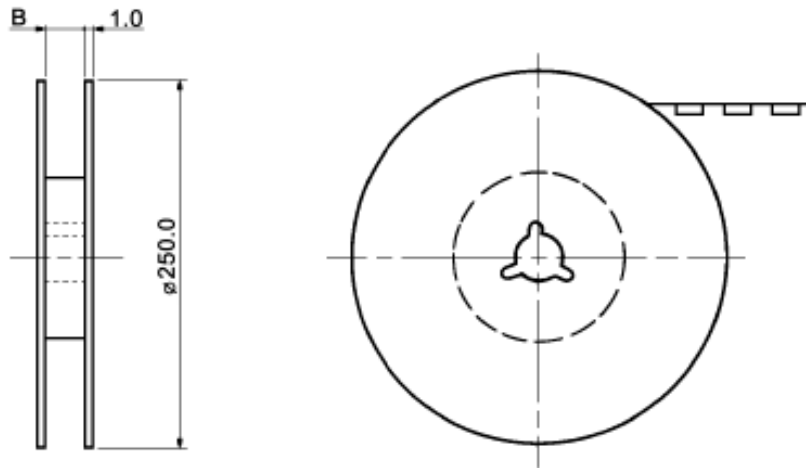
DHS 1xx

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knitter-switch

Packaging:



xx	A (mm)	B (mm)	(C) (mm)	D (mm)	Packaging unit (pcs. / reel)
04	12.0	24.0	11.5	-	1 000
06	16.0	24.0	11.5	-	700
08	12.0	24.0	11.5	-	1 000
10	16.0	32.0	14.2	28.4	700



Tolerances:		Date	Name	DHS 1xx
		06/13	dr	
				30 28 77
				Page
				2/2
Modifications	Date	Name		

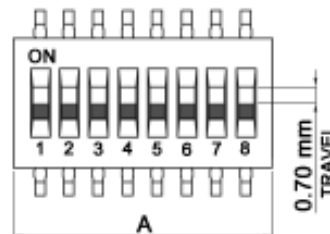
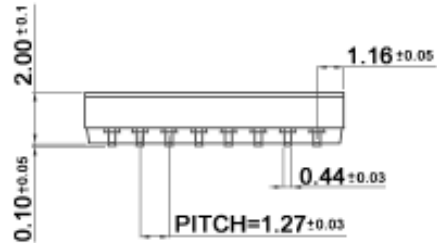
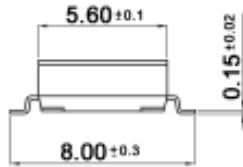
knitter-switch

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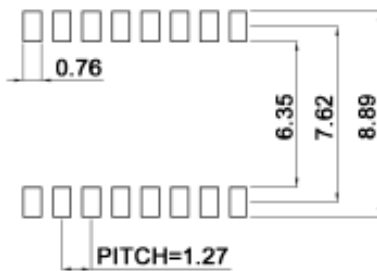
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P.C. LAYOUT



Part No.	A
DHS 104 N	6.12
DHS 106 N	8.66
DHS 108 N	11.20
DHS 110 N	13.74

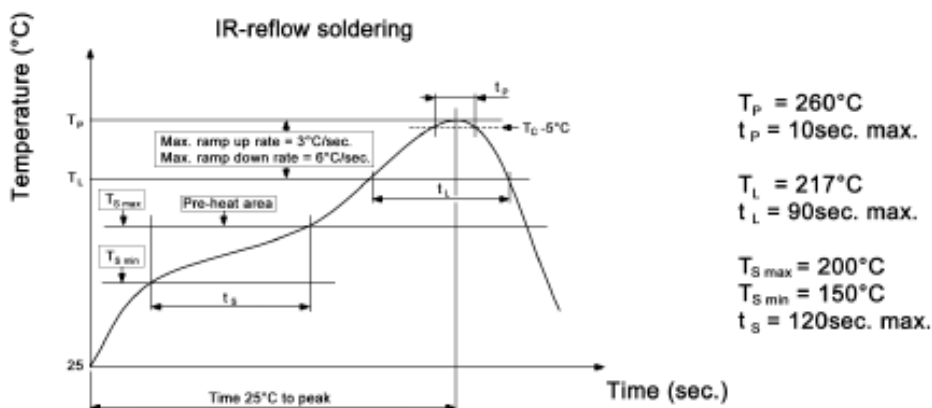
Compliance: RohS III (2015/863/EU)

Tolerances: ±0.2 mm		Date	Name	<h2>DHS 1xx N</h2>
		05/21	dr	
			knitter-switch	<h2>30 46 34</h2>
Modifications		Date	Name	Page 1/3

knitter-switch

Specifications:

Contact rating: switching: 100mA, 6V; 25mA, 24V DC
 non-switching: 100mA, 50V DC
Contact resistance: 50mOhm max.
Insulation resistance: 100MOhm min. at 500V DC
Dielectric strength: 300V AC for 1 minute
Operating temperature: -40°C to +105°C
Storage temperature: -40°C to +85°C
Operating force: 500 gf max.
Mechanical life: 2 000 cycles
Electrical life: 1 000 cycles
Sealing: by protective tape, washable by aqueous detergents and isopropyl alcohol
Material: Cover / base: PPS (UL94V-0), black
 Actuator: PA46 (UL94V-0), white
 Contact / terminal: 0.025µm gold plated over nickel
 Tape: polyimide
Slider position delivered: OFF
Soldering conditions:

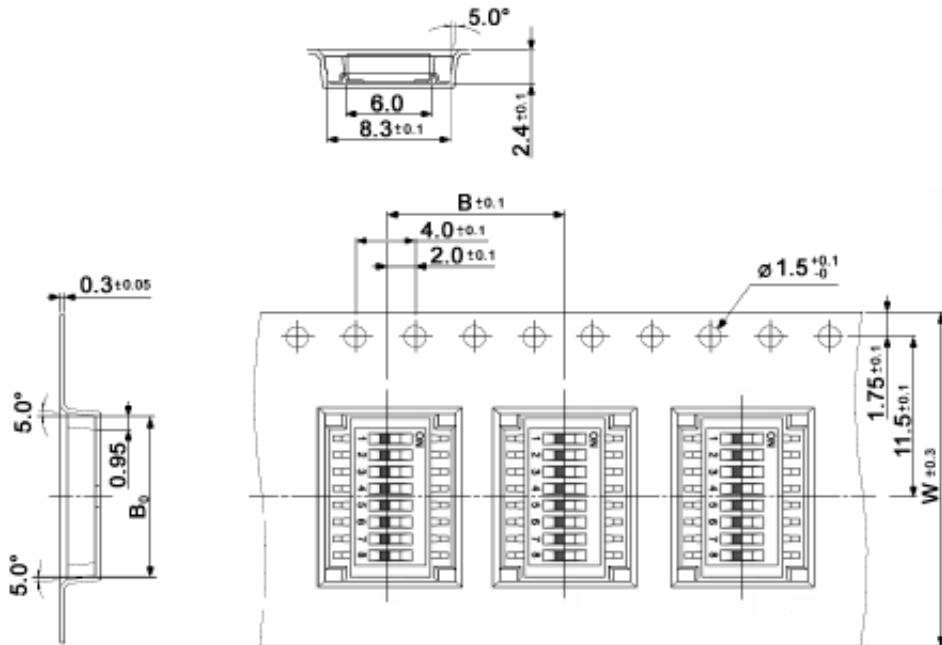


Compliance: RohS III (2015/863/EU)

Tolerances: ±0.2 mm		Date	Name	DHS 1xx N
		05/21	dr	
		knitter-switch		30 46 34
Modifications		Date	Name	Page 2/3

knitter-switch

Packaging:



Part No.	W	Pcs. per Reel	B_0	B
DHS 104 N	16.0	2 000	6.5	12.0
DHS 106 N	16.0	2 000	9.1	12.0
DHS 108 N	24.0	2 000	11.5	12.0
DHS 110 N	24.0	2 000	14.1	12.0

Compliance: Rohs III (2015/863/EU)

Tolerances: ± 0.2 mm		Date	Name	DHS 1xx N
		05/21	dr	
			knitter-switch	30 46 34
Modifications		Date	Name	Page 3/3