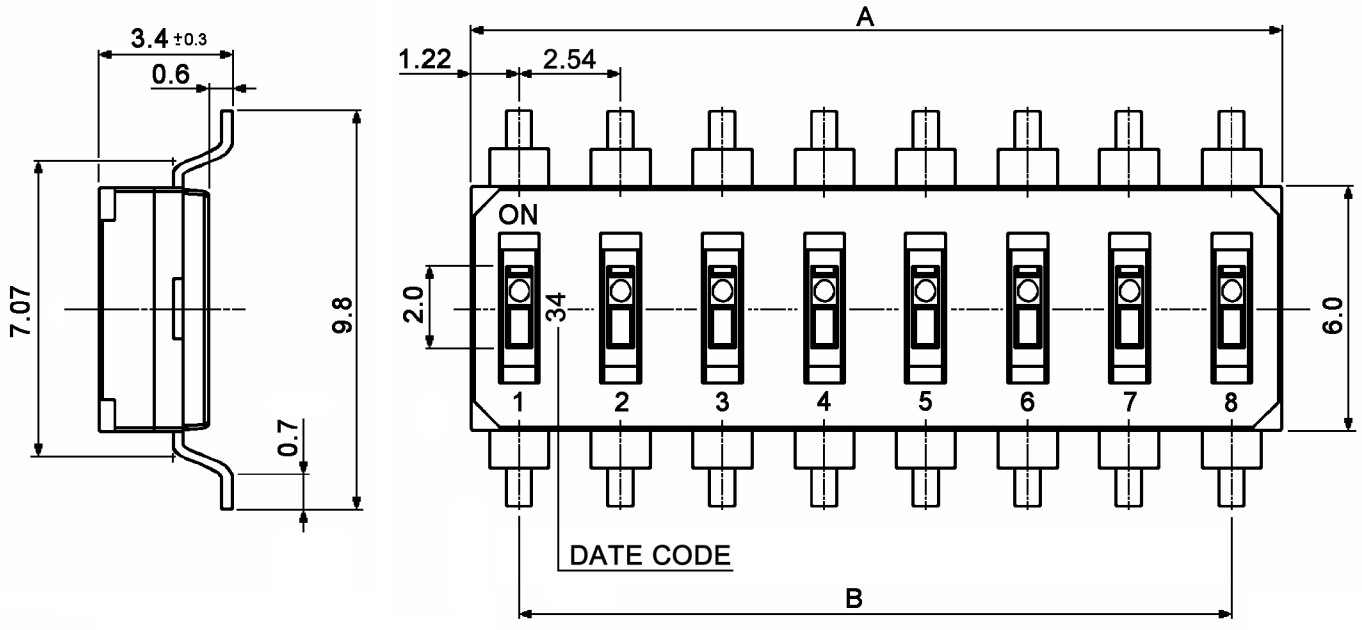
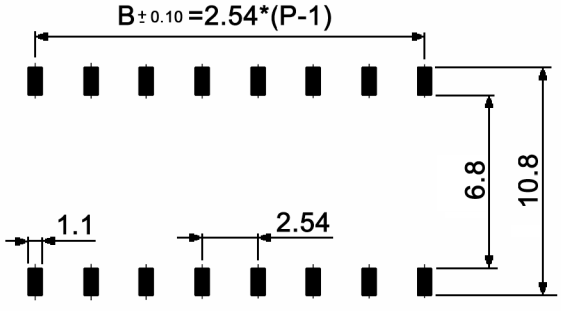
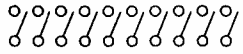


P.C.B. LAYOUT



Prod. No.	No. of pos.	A	B
SBS 5001 TG	1	2.44	-
SBS 5002 TG	2	4.98	2.54
SBS 5003 TG	3	7.52	5.08
SBS 5004 TG	4	10.06	7.62
SBS 5005 TG	5	12.60	10.16
SBS 5006 TG	6	15.14	12.70
SBS 5007 TG	7	17.68	15.24
SBS 5008 TG	8	20.22	17.78
SBS 5009 TG	9	22.76	20.32
SBS 5010 TG	10	25.30	22.86
SBS 5012 TG	12	30.38	27.94

SCHEMATIC (TYP.)



(1,2,3,4,5,6,7,8,9,10,12,POS AVAIL)

Compliance: RohS II (2011/65/EU)

Tolerances: max. ±0.2mm			Date	Name
			07/10	dr
Material	10/16	dr		
Sealing	11/13	dr		
Soldering conditions	03/13	dr		
Specifications	05/11	dr		
Modifications	Date	Name		

SBS 5000 TG

knitter-switch

30 21 46

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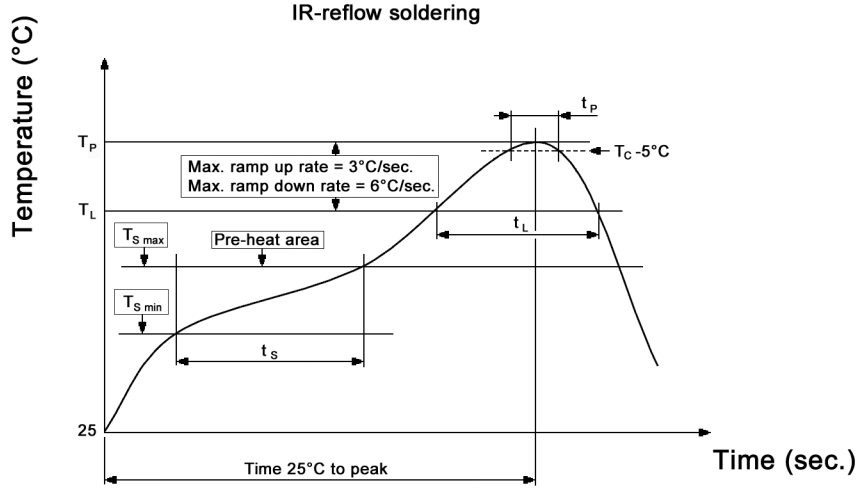
Specifications:

Contact rating:	non-switching: 100mA, 50V DC switching: 25mA, 24V DC min.: 20mV AC/DC at 1µA
Contact resistance:	100mOhm max.
Insulation resistance:	100MOhm min. at 500V DC for 1 minute +/-5sec.
Dielectric strength:	500V AC (50/60Hz) for 1 minute
Shock resistance:	MIL STD 202F, method 213B, cond. A, contact interrruption <10µsec.
Vibration resistance:	MIL STD 202F, method 204, cond. C, contact interruption <10µsec.
Operating temperature:	-40°C to +85°C
Storage temperature:	-40°C to +85°C
Mechanical life:	5 000 cycles
Operating force:	1 000gf max.
Sealing:	by protective tape, washable by aqueous detergents and isopropyl alcohol
Material:	Cover / base: high-temp. thermoplastic PA-9T UL94V-0, molded black, Genestar GN2332, UL-file E90350 Contact: copper, 0.3µm gold plated over 0.5µm nickel Terminal: brass, 0.3µm gold plated over 0.5µm nickel Actuator: thermoplastic LCP UL94V-0, molded white, Sumitomo E6006L, UL-file E54705 Tape: kapton

Soldering conditions:

IR-reflow soldering



T_P = 260°C
t_P = 10sec. max.

T_L = 217°C
t_L = 90sec. max.

$T_{S\,max}$ = 200°C
$T_{S\,min}$ = 150°C
t_S = 120sec. max.

Compliance: RohS II (2011/65/EU)

Tolerances: max. ±0.2mm			Date	Name	SBS 5000 TG	
			07/10	dr		
			knitter-switch		30 21 46	Page 2/2
Modifications	Date	Name				