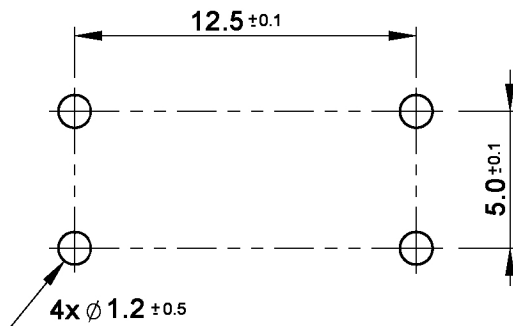
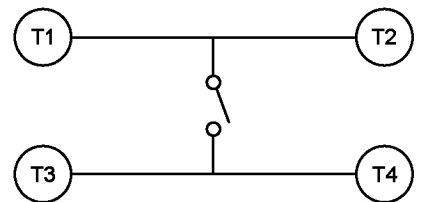


P.C.B. LAYOUT



CIRCUIT DIAGRAM



Tolerances: ±0.2mm	Date	Name
	07/09	dr

TS 21 x

30 18 91

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**knitter-switch**

Modifications	Date	Name
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Specifications:

Contact rating: 50mA, 12V DC  
 Contact resistance: 100mOhm max.  
 Insulation resistance: 100MOhm min.  
 Dielectric strength: 250V AC (50/60Hz) for 1 minute  
 Operating temperature: -25°C to +70°C  
 Storage temperature: -30°C to +80°C  
 Operating force: x, see table  
 Soldering conditions: pre-heat: max. 120°C, max. 360sec.  
 soldering: max. 265°C, max. 10sec.  
 Material: Cover: stainless steel  
 Stem: high-temp. thermoplastic nylon UL94V-0  
 Contact: phosphor bronze, with silver cladding  
 Terminal: brass, with silver cladding  
 Base: high-temp. thermoplastic nylon UL94V-0, molded black

x	Operating force (gf)	Stem color	Life cycles
N	160 +/-50	brown	200 000
R	260 +/-50	red	100 000
S	320 +/-80	salmon	100 000
Y	520 +/-130	yellow	100 000



Tolerances: ±0.2mm		Date	Name	<h1>TS 21 x</h1>
		07/09	dr	
			<b>knitter-switch</b>	<h1>30 18 91</h1>
Modifications		Date	Name	Page 2/2