

## DIL switches

Order code	Manufacturer code	Description
80-0400	JSA4-1-GO	SINGLE POLE JUMPER - SWITCH (RC)
80-0420	JSA4-16-GO	16 POLE JUMPER - SWITCH RC

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The enclosed information is believed to be correct, Information may change without notice due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 20/02/2007

## Jumper-Switch™ Programming Switch

### Erg - JSA Series

A Switchable jumper on 0.1" pitch that securely switches ON and OFF PCB track signals with a positive action. Supplied in 1 through 16 poles they provide an alternative to jumpers without the need for parking pins on the PCB or exposed bare pins. Reliable switching of the gold over nickel plated phosphor bronze contacts is assured with the 4 point wiping contact design. The contacts never rub over any plastic part and the positive detent action ensures good shock resistance. They can be cut with a modelling knife to achieve any combination. Jumper-Switch™ has been designed for use on hand or flow soldered and washed PCB's, the tight pin prevents any wicking. Users should evaluate that their particular processes are compatible with unsealed contact design concept.

### Principle Electrical & Performance Data at 20°C, 70% RH

**Contact Ratings – Non Switching:** 100V ac, 5A

**Switching:** 1μV to 100V, 1μ to 1A, 10 VA – Contacts are shipped in 'ON' position

**Contacts:** 0.1μ gold over nickel plated phosphor bronze

**Initial Contact Resistance** – (at 10VA, 10mA max.). Typical: 10mΩ Max: 15mΩ

**Insulation resistance** – (at 500V dc min.): 1,000MΩ

**Life:** Minimum 1,000 operations

**Dielectric Strength** - 1 minute: 500Vrms 50Hz

**Capacitance between open contacts:** <5pf. At 1 kHz

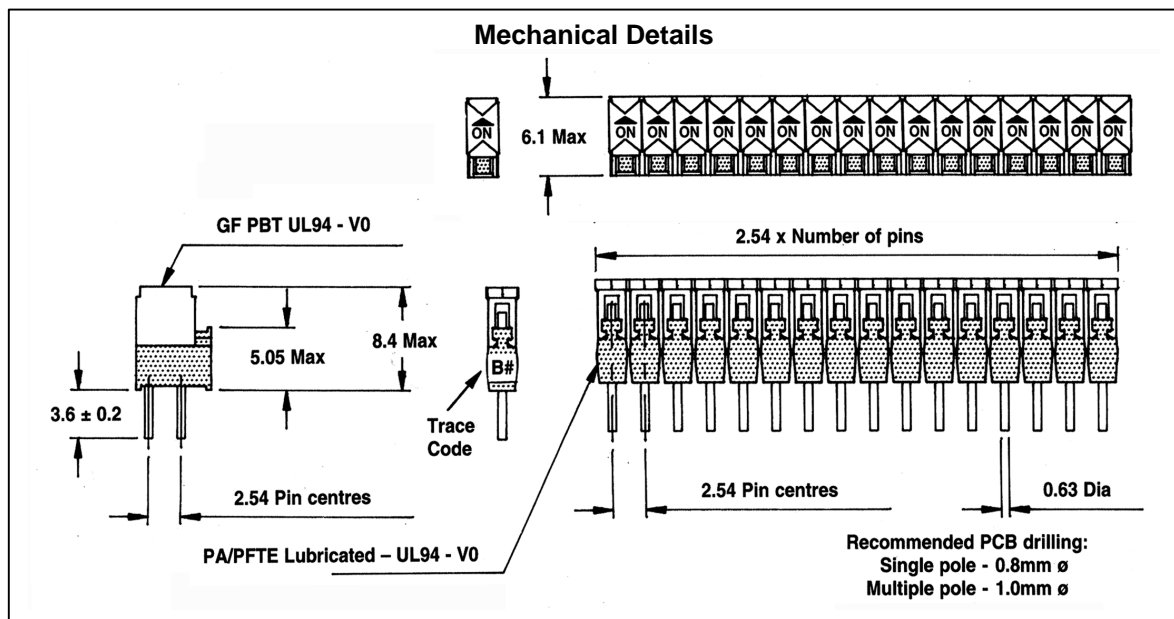
**Temperature** – Operating range for continuous electrical use and manual operation is restricted to –55°C to +85°C for standard products

**Operating Force** – Per Pole – Max. 5N

**Humidity** – Damp Heat Steady State: 56 days

**Solderability:** <2 seconds to wet at 235°C as per IEC 68 and BS2011 Test T, solder bath method

**Resistance to Soldering Heat** as per IEC 68 and BS2011 10 seconds satisfactory at 260°C when mounted on 1.5mm PCB



Erg Ref No.	Description
JSA4-1G0	Single Pole Switch
JSA4-16-G0	16 Pole Switch