

# TrueNet®

## PCB Module 2x20 Way

Issue 5



LSA-PLUS® printed circuit board modules for soldering directly to printed circuit boards, offering direct electrical connection of two rows of 20 pins.

### Features:

- Access is provided in the module for testing or overvoltage protection
- Wires can be terminated on both the upper and lower rows of contacts
- Contacts are normally open, providing a capacity to terminate 40 conductors
- Heat stake legs to secure the module to the PCB
- No number printing on module 6468 5 003-02
- Printed 1-0 on module 6468 5 019-00

### Specifications

#### Mechanical:

|   |                                      |
|---|--------------------------------------|
| Working temperature range:                                | -20°C to +80°C                       |
| Environment:  | Indoors, in dry closed rooms         |
| Insulation diameter:                                      | 0.70-1.60mm                          |
| Copper conductor diameter:                                | 0.40-0.80mm                          |
| Multistrand Conductor:                                    | 7/0.2-7/0.32mm                       |
| Number of equal diameter solid conductors per slot:       | 2 max (up to 0.65mm each)            |
| Number of equal diameter multistrand conductors per slot: | 1 max.                               |
| Flammability rating of plastic housing:                   | UL 94 V0                             |
| Deformation temperature of the heat stake:                | 175°C to 180°C                       |
| Soldering temperature:                                    | max. 260°C                           |
| Soldering time:   | max. 4s                              |
|   | Can be soldered by hand or in a bath |
| Contact material:   | high strength spring copper alloy    |
| Contact plating:  | silver plated                        |

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**Electrical:**

Insulation resistance: .....  $\geq 5 \times 10^4 \Omega$   
 Dielectric strength:  
     Adjacent contacts: .....  $\geq 2000 \text{VAC}$   
     Opposite contacts: .....  $\geq 1800 \text{VAC}$   
 Current rating of LSA-PLUS® contact: ..... = Current carrying capacity  
     ..... of terminated conductor  
 Contact resistance: .....  $\leq 1 \text{m}\Omega$  typical  
     .....  $\leq 5 \text{m}\Omega$  guaranteed  
 Total contact resistance: .....  $\leq 10 \text{m}\Omega$   
 Number of re-terminations: .....  $\geq 200$   
 Coupling capacitance between wires: .....  $\leq 1 \text{p}$

**Ordering Information**

| Description  | Quantity  | Colour | Product No.   |
|--|-----------|--------|---------------|
| PCB Module 2x20 Way, normally open, with jumper rings    | Box of 10 | Grey   | 6468 5 003-02 |
| PCB Module 2x20 Way, normally open, without jumper rings | Box of 10 | White  | 6468 5 019-00 |

SPEC SHEET



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