

### General Description

The high current terminal blocks and spacers of the **PowerClamp** lowcost S-Series are designed for the PCB mount by soldering. These **PowerClamp** components handle continuous currents from 30 up to 120 Amps and appear in different configurations:

- SN** - Series – terminal block with internal thread (nut)
- SB** - Series – terminal block with external thread (bolt)
- SL** - Series – terminal block with 90° mounting (horizontal thread or hole)
- SH** - Series – spacer without thread (through hole spacer)

For higher currents (up to 600 Amps) are available the **PowerClamp** of the N-, B- and L-Series not only in the recommended PressFit Technique but also with solderpins (see the datasheet “solderpin”)



### Technical Specifications

| current | type           | thread        | base      | height | pitch              | Ø hole | fig. | drawing |
|---------|----------------|---------------|-----------|--------|--------------------|--------|------|---------|
| 30 A    | <b>SN07R3M</b> | Metric M3     | Ø7.0      | 7.0    | 5.08 x 5.08        | 1.45   | 1    | MC0090  |
|         | <b>SN07R3U</b> | UNC # 4 - 40  |           |        |                    |        |      |         |
| 40 A    | <b>SN09R4M</b> | Metric M4     | Ø9.0      | 7.0    | 6.0 x 6.0          | 1.60   | 1    | MC0093  |
|         | <b>SN09R4U</b> | UNC # 8 – 32  |           |        |                    |        |      |         |
| 60 A    | <b>SN10R5M</b> | Metric M5     | Ø10.0     | 11.0   | 6.0 x 6.0          | 2.00   | 1    | MC0086  |
|         | <b>SN10R5U</b> | UNC # 12 – 24 |           |        |                    |        |      |         |
| 120 A   | <b>SN12R6M</b> | Metric M6     | Ø12.0     | 11.0   | 4x2.54 x<br>4x2.54 | 2.00   | 1    | MC0085  |
|         | <b>SN12R6U</b> | UNC ¼" – 20   |           |        |                    |        |      |         |
| 50 A    | <b>SN0904M</b> | Metric M4     | 9.0 x 9.0 | 7.0    | 7.62 x 7.62        | 1.80   | 2    | MC0046  |
|         | <b>SN0904U</b> | UNC # 8 – 32  |           |        |                    |        |      |         |
| 50 A    | <b>SB10R5M</b> | Metric M5     | Ø10.0     | 11.0   | 6.0 x 6.0          | 1.80   | 3    | MC0089  |
|         | <b>SB10R5U</b> | UNC # 12 – 24 |           |        |                    |        |      |         |

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