

- High temperature plastic
- Selective plating

**24 HOUR
SAMPLES**

Technical Data

Physical

Housing: High temperature, black thermoplastic



Flammability rating: UL 94 V-0

Pin: Phosphor-bronze

Plating: Gold or tin-lead over 1.27 µm nickel

Electrical Performance

Current rating: 3 A continuous

Insulation resistance: 5000 MΩ min.

Dielectric withstanding voltage: 1500 V

Mechanical Performance

Pin retention to housing:

9 N min.

Operating Temperature Range

-65°C to +125°C

Packaging

Standard: Bags

Optional: Tubes or
Tape-and-reel with pick-up cap
(SMT pin style 01 only)

Reference Information

File no. E66906

File no. LR46923

Product drawing: By 5-digit base part number

Product specification: BUS-12-114

Tape and Reel packaging data : TA 840

Specifications subject to change without notice.

Mating Data

Page

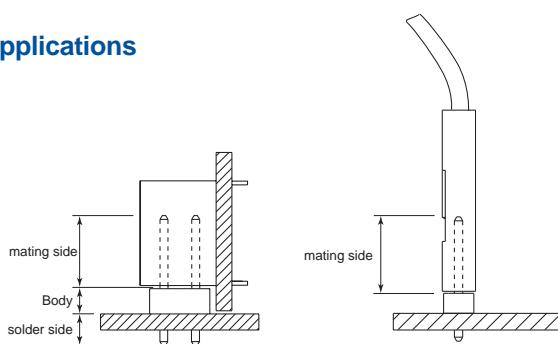
■ Dubox™ Crimp-to-wire contacts	18
■ Dubox™ Crimp-to-wire housings	20
■ Dubox™ Vertical receptacles	24
■ Dubox™ Low profile vertical receptacles	26, 28
■ Dubox™ Horizontal receptacles	30
■ Quickie™ IDC receptacles	32
■ Dubox™ Shunts	36

Processing Information

Compatible with wave, vapor-phase, and
IR reflow soldering processes

Recommended IR profile TA 842 for SMT

Typical Applications



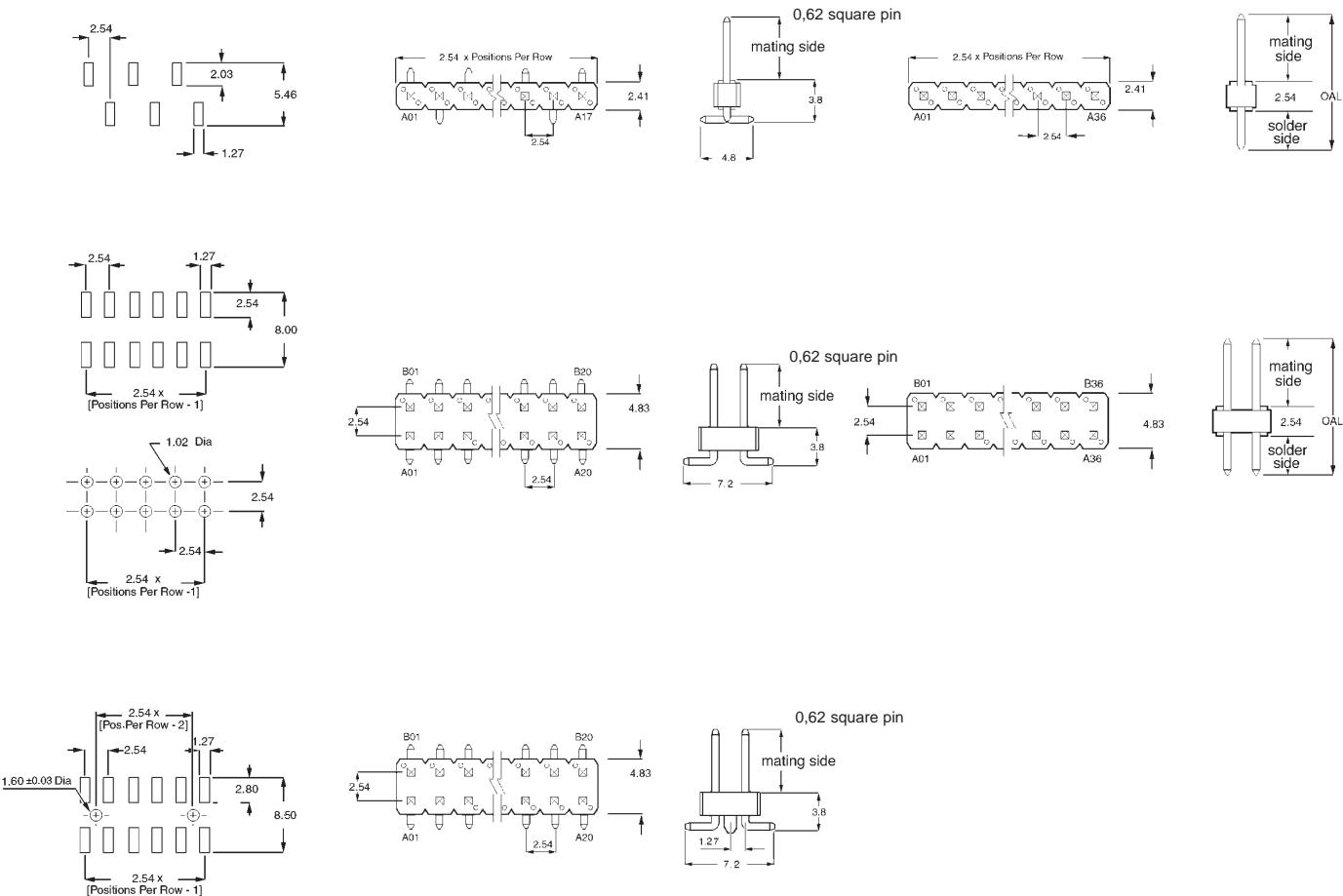
Part Number

5-Digit Base Part Number	Plating	Pin Style	Option	Total Positions																																																							
Through mount																																																											
77311 = Single Row																																																											
77313 = Double Row																																																											
Surface mount																																																											
95293 = Single Row																																																											
95278 = Double Row																																																											
98401 = Double Row with pegs																																																											
1 = 0.76 μ m gold on mating area, tin-lead on solder side																																																											
4 = 3.81 μ m tin-lead																																																											
8 = 0.38 μ m gold on mating area, tin-lead on solder side																																																											
<table border="1"> <tr> <td>Surface mount</td> <td>Pin style</td> <td>Mating</td> <td>Through mount</td> <td></td> </tr> <tr> <td></td> <td>01</td> <td>5.84</td> <td>Pin style</td> <td></td> </tr> <tr> <td></td> <td>02</td> <td>8.08</td> <td>Mating</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Solder</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>OAL</td> <td></td> </tr> <tr> <td></td> <td>01</td> <td>5.84</td> <td>01</td> <td>10.80</td> </tr> <tr> <td></td> <td>18</td> <td>5.84</td> <td>18</td> <td>11.43</td> </tr> <tr> <td></td> <td>02</td> <td>5.84</td> <td>02</td> <td>11.80</td> </tr> <tr> <td></td> <td>27</td> <td>6.60</td> <td>27</td> <td>11.82</td> </tr> <tr> <td></td> <td>22</td> <td>7.75</td> <td>22</td> <td>13.35</td> </tr> <tr> <td></td> <td>24</td> <td>6.75</td> <td>24</td> <td>12.20</td> </tr> </table>					Surface mount	Pin style	Mating	Through mount			01	5.84	Pin style			02	8.08	Mating					Solder					OAL			01	5.84	01	10.80		18	5.84	18	11.43		02	5.84	02	11.80		27	6.60	27	11.82		22	7.75	22	13.35		24	6.75	24	12.20
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options for SMT only, mating pin style 01																																																											

01 to 36 = Single row TMT
03 to 17 = Single Row SMT
02 to 72 = Double row TMT
04 to 50 = Double Row SMT
08 to 50 = Double Row SMT with pegs

Part Number
77311 - 1 01 - Total pos.
77311 - 1 18 - Total pos.
77313 - 1 01 - Total pos.
77313 - 1 18 - Total pos.
95278 - 1 01 - Total pos.

CORE RANGE



Recommended PCB Layout

Dimensions in mm