

- 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.

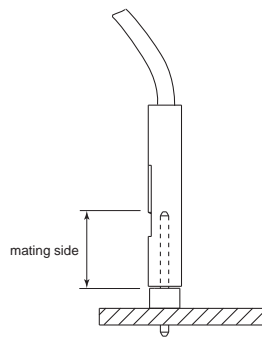
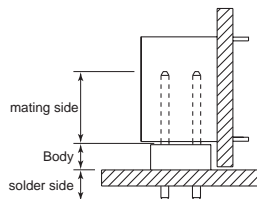
Mating Data

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■ 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 µm gold on mating area, tin-lead on solder side
4 = 3.81 µm tin-lead
8 = 0.38 µm gold on mating area, tin-lead on solder side

Surface mount		Through mount			
Pin style	Mating	Pin style	Mating	Solder	OAL
01	5.84	01	5.84	2.41	10.80
02	8.08	18	5.84	3.05	11.43
		02	5.84	3.42	11.80
		27	6.60	2.66	11.82
		22	7.75	3.06	13.35
		24	6.75	2.90	12.20

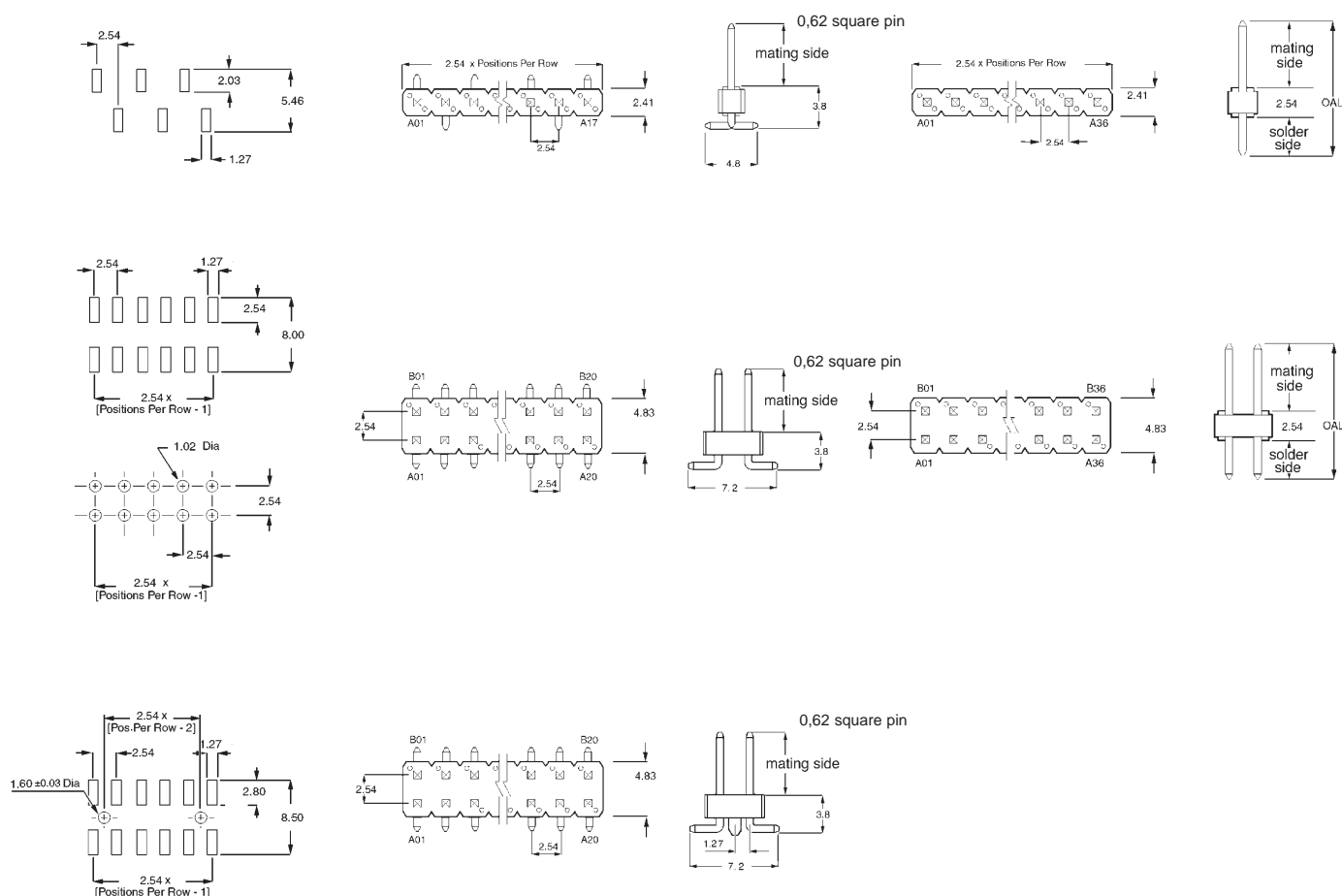
01 to 36 = Single row TMT
03 to 17 = Single Row SMT
02 to 72 = Double row TMT
04 to 50 = Double Row SMT
08 to 50 = Double Row SMT with pegs

Option	Packaging
A	Tape-and-reel with pick-up cap
B	Tube with pick-up cap

options for SMT only, mating pin style 01

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