

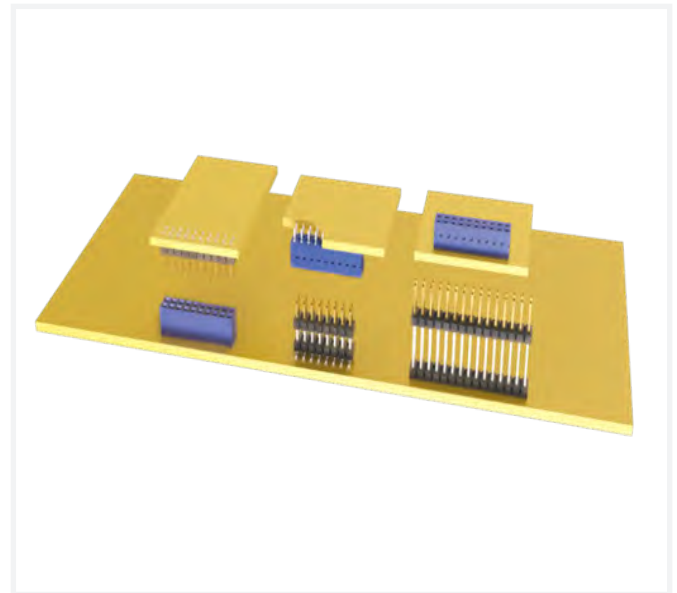
Dubox® PCB Receptacles

MODULAR, RELIABLE, AND COMPACT SOLUTION

The Dubox® connector families offer an extensive range of through-hole and surface-mount part options, including single or double-row in either vertical or right angle orientation from 2 to 50 positions per row, with a current rating of 3A (maximum) per individual contact.

The Dubox® contact has a pre-stressed, dual beam design to enable low insertion force, 4-wall contact design for signal protection and supports up to 200 mating cycles (plating dependent).

- Uniform dual-beam design across the range
- High-temperature material
- Mezzanine and coplanar connectivity
- Fully compatible with standard BergStik® headers



TARGET MARKETS



FEATURES

- Dual beam contact design
- Pre-stressed contact
- Mates with very short pins (5mm) and are stackable end-to-end and side-by-side
- Floating solder tails with self-centering on the circuit pads
- 4 wall contact design
- Duplex plating
- Locating feature available
- High temperature performing raw material
- Compliant to DIN 41651 specifications, HE 13 and BT D2632

BENEFITS

- Highly reliable electrical performances
- Low insertion force required
- Meets your specific needs and is useful for Mezzanine application
- Assures coplanarity
- Improved signal protection
- Cost efficient
- Maintains the alignment for soldering and facilitates robotic placement
- Compatible with Infra-Red and Vapor-Phase reflow
- Qualifies industry specific standards

TECHNICAL INFORMATION

MATERIAL

- Housing: High temperature thermoplastic
- Contact: Phosphor bronze
- Plating: 0.76 μm (30μ”) Gold / GXT® over 1.27 μm (50μ”) nickel or 2.0μm matte tin full plated

MECHANICAL PERFORMANCE

- Contact Normal Force: 0.6N
- Insertion Force per Gold Contact: 1.50N (150gf) max.
- Withdrawal Force per Gold Contact: 0.30N (30gf) min.
- Contact Wiping Length: 1.5mm
- 200 Mating Cycles (gold plating)

ELECTRICAL PERFORMANCE

- Current Rating: 3A continuous
2A DC max. per contact for fully energized connector
- Insulation Resistance: 1 x 10⁵ MΩ min.
- Dielectric Withstanding Voltage: 1000Vrms min.
- Contact Resistance: 15mΩ max. dielectric
20MΩ max. after environmental tests

ENVIRONMENTAL

- Operating Temperature Range: -65°C to +125°C

SPECIFICATIONS

- Product Specification: BUS-12-055 (gold) / BUS-12-066 (tin)

APPROVALS & CERTIFICATION

- UL approval: E66906

PACKAGING

- Polybags, tubes or reel

TARGET MARKETS/APPLICATIONS



Personal Care Devices (Air Dryer)
Home Care Devices (Cleaning Robot)
Home Automation (Alarm System)



Server
Storage

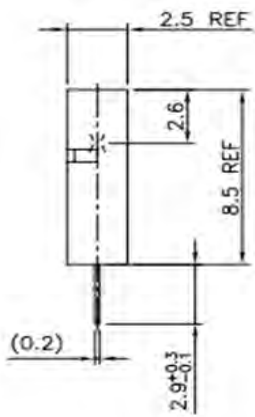
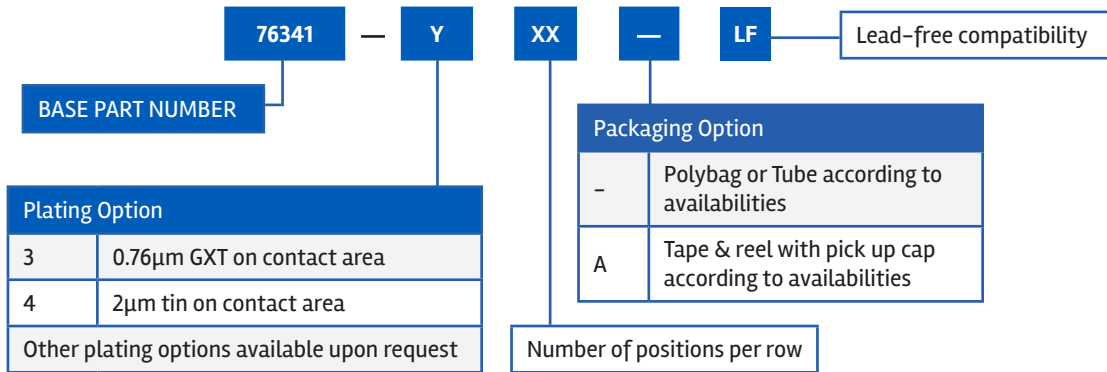


Industrials (Robotics, PLC, Power tool)

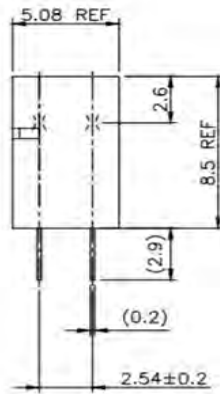
PART NUMBERS

Description	Part Numbers
Receptacle, Vertical, Single Row, TMT, Top Entry	75915
Receptacle, Vertical, Double Row, TMT, Top Entry	87606
Receptacle, Vertical, Single Row, TMT, Dual Entry	77424
Receptacle, Vertical, Double Row, TMT, Dual Entry	89847
Receptacle, Vertical, Single Row, SMT, Dual Entry, Low Profile 7.00mm height	91601
Receptacle, Vertical, Double Row, SMT, Dual Entry, Low Profile 7.00mm height	89898
Receptacle, Right-Angle, Single Row, TMT	89882
Receptacle, Right-Angle, Double Row, TMT	89883
Receptacle, Right-Angle, Single Row, SMT	71607
Receptacle, Right-Angle, Double Row, SMT	71609

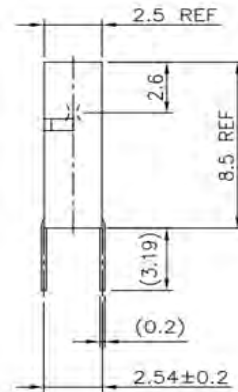
PART NUMBER SELECTOR PCB RECEPTACLE



75915



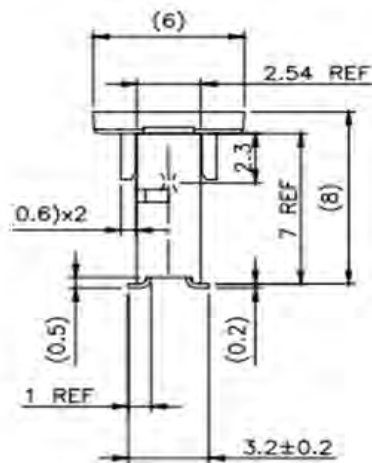
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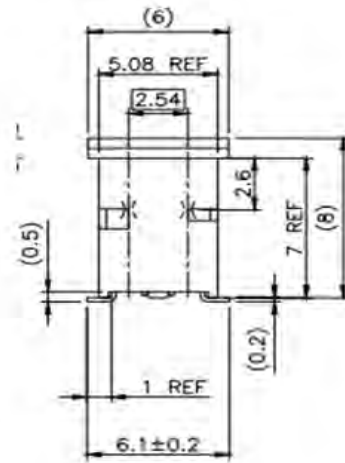
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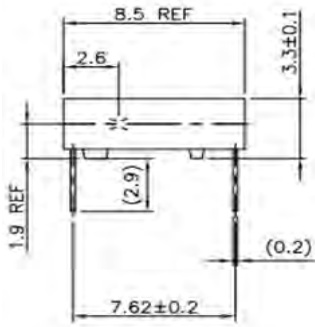


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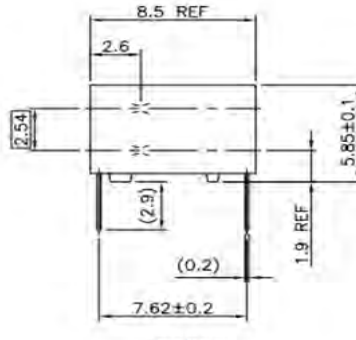


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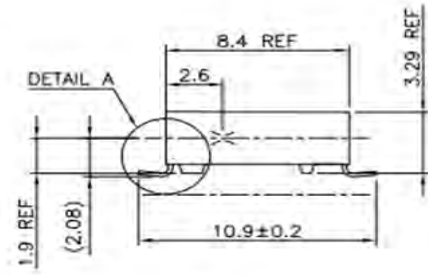
▶ Dubox® PCB Receptacles



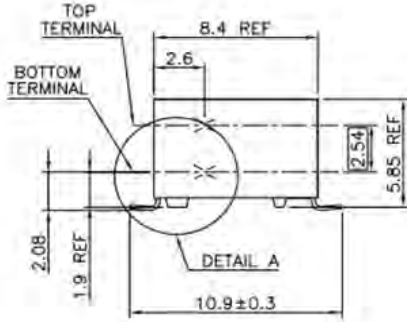
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