

Fig. 1

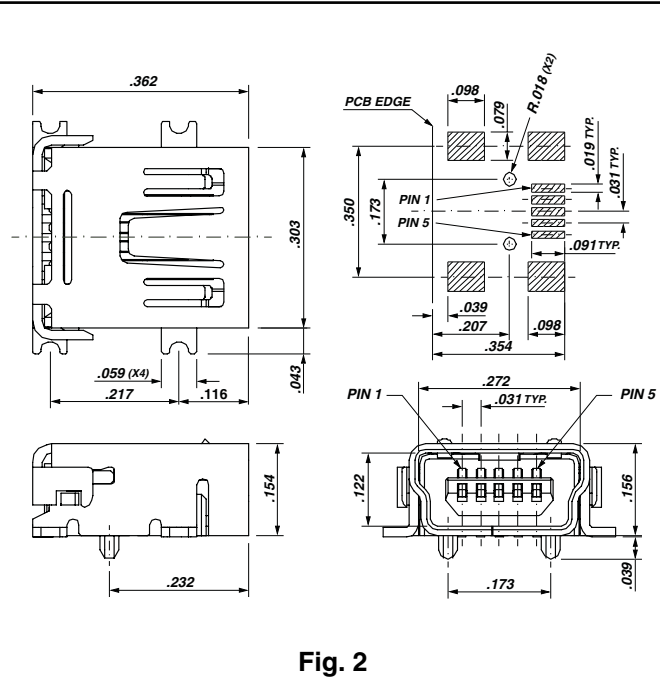
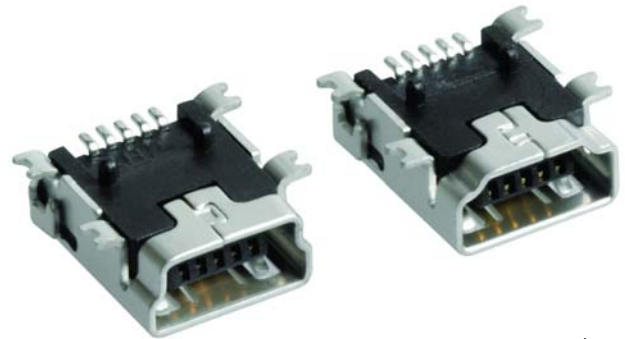


Fig. 2

Applications:

- Cell phones
- Digital still cameras
- Digital video cameras
- PDAs
- MP3 Players
- Other portable and hand-held devices



Features

- Mini USB receptacles for surface mount.
- 5 Pin (one ID Pin), 0.8mm pitch, mini USB connector.
- Reduced mounting space.
- Fully Shielded.
- Fully compliant with current USB 2.0 specifications.
- Smaller and lighter than existing USB connectors for portable and handheld devices.
- Packaged on Tape & Reel - 700 parts per reel.

Ordering Information:

Figure 1: Mini Type A Recept., Single, Surface Mount
896-43-005-00-100001

Figure 2: Mini Type B Recept., Single, Surface Mount
897-43-005-00-100001

Specifications

Materials:

Terminals: Copper Alloy, Tin Plated
Contacts: Copper Alloy, 30 μm Gold Plated
Casing & Shield: Stainless Steel
Insulator material: High temp. thermoplastic rated UL94V-0

Ratings:

Voltage: 30VAC (rms)
Current: 1A max. per contact for 30°C temperature rise
All housing materials rated for "lead-free" soldering up to 260°C

Electrical:

Contact resistance: 50mΩ max.
Insulation resistance: 100MΩ min.
Dielectric withstanding voltage: 100VAC at sea level
Capacitance: 2pF max.

Mechanical:

Random vibration: No discontinuity >1μs per EIA 364-28, cond. V, letter A
Physical shock: No discontinuity >1μs per EIA 364-27, condition H
Durability: 5000 cycles min. per EIA 364-09
Mating force: 35 Newtons max. per EIA 364-13
Unmating force: Initial - 7 Newtons min. per EIA 364-13
After test - 3 Newtons min. per EIA 364-13
Cable Pull-out force per EIA 364-38

Environmental:

Thermal shock per EIA 364-32, condition I
Humidity per EIA 364-31, method III, condition A
Temperature life per EIA 364-17, condition 3, method A
Solderability per EIA 364-52, category 2