



**Part Number : BC30S03**

### 3 Contacts Battery Connector Straight SMT Mounting

- 3.0 mm height, 1.6 mm pitch
- 1.2 mm compression height
- Additional solder pad for force balance
- Accept top press down and side sliding battery mating

#### 1. Material:

Pin: Beryllium Copper

Insulator: Glass filled high temperature Engineering Plastics UL94V-0, black

#### 2. Finish:

15 micro-inch(0.38 micron) Min gold plating at mating area, 100-200 micro-inch(2.54-5.08 micron) pure tin at solder tail and 50-100 micro-inch (1.27-2.54 micron) nickel under plated.

#### 3. Electrical specifications:

Voltage rating: 250 Vac min

Current rating: 2.0 A min

Dielectric strength: 1000 Vac for 1 minute min

Insulation resistance: 1000 MEG ohm min

Contact resistance: 30 milliohm max

Operation temperature: -55°C to +125°C

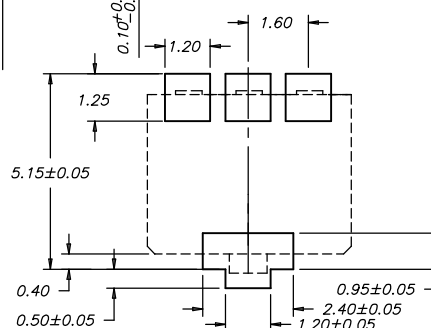
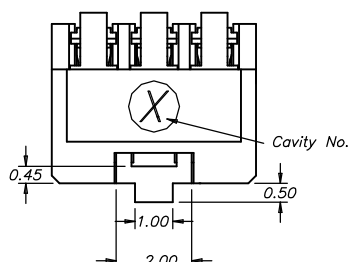
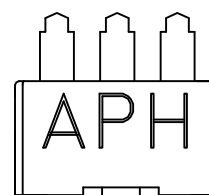
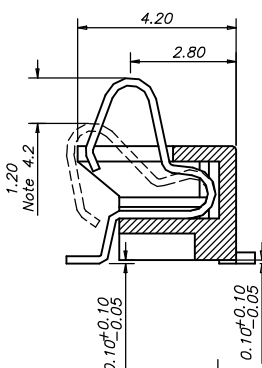
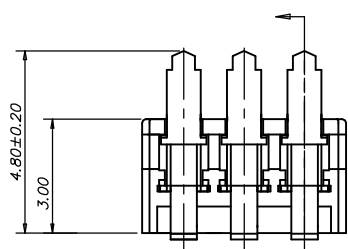
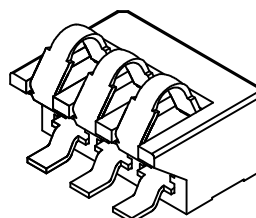
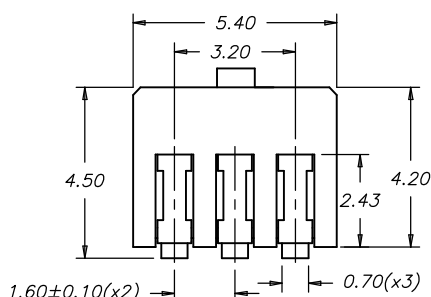
#### 4. Mechanical specifications:

Durability: 5,000 cycles

Normal force at mated position: 80g min

#### 5. Packaging:

Parts to be packaged in anti-static tape and reel. All packaging materials to be approved by Amphenol engineering.



**Recommended PCB layout**