

LOWEST PROFILE STAMPED SOCKET (FOR .025 SQ. POSTS) - HI TEMP

(.100 CENTERS)

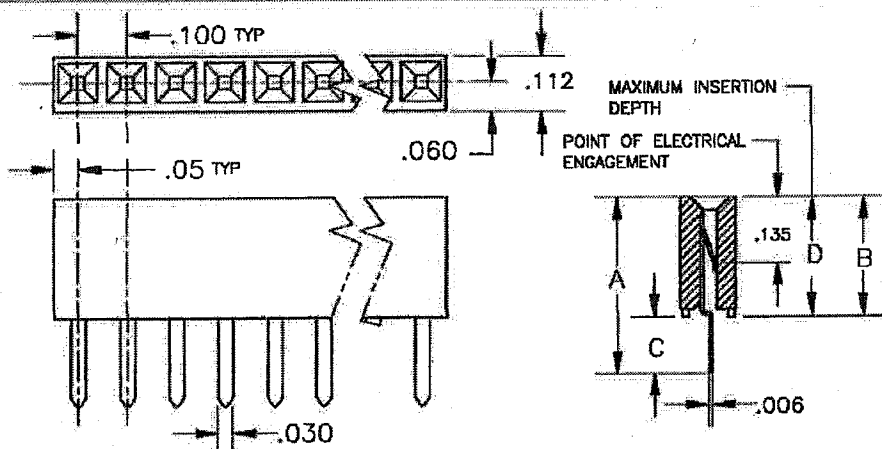
This series of BeCu contact sockets allow for closer spacing of P.C.B.'s than most styles. Mated to our low profile headers creates a between board spacing of less than .300.

TECHNICAL INFORMATION:

Insertion/Extraction mated to .025 sq. pin, 3amps rating

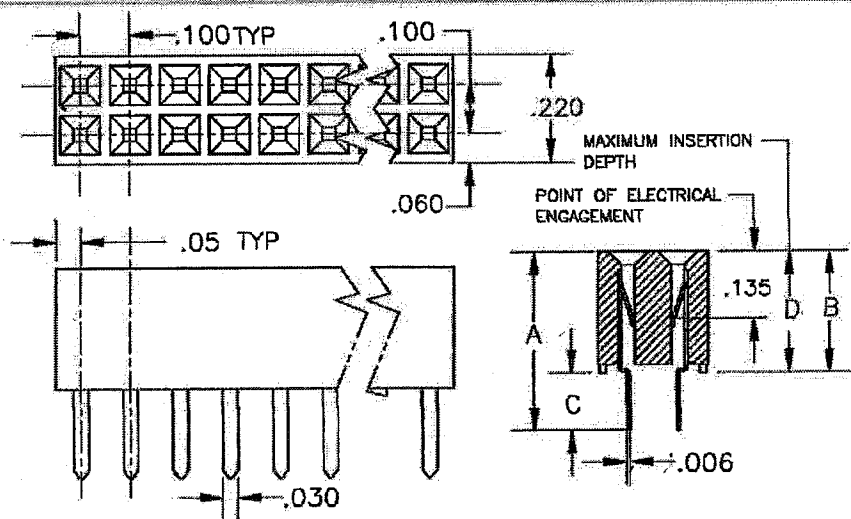
Insertion — 185 grams(6.3oz.) / contact typ. Extraction — 102 grams (3.6oz.) / contact typ.

ONE ROW LOW PROFILE STAMPED SOCKET



| PART NUMBER | "A" | | "B" | | "C" | | "D" | | PLATING OPTIONS YY | NUMBER OF POSITIONS XX |
|-------------|------|------|------|------|------|------|------|------|--------------------|------------------------|
| | mm | Inch | mm | Inch | mm | Inch | mm | Inch | | |
| 1106-XXYY | 9.14 | .360 | 6.22 | .245 | 2.92 | .115 | 6.22 | .245 | T; G2; G230 | 2-40 |

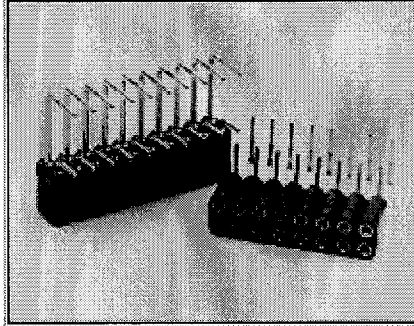
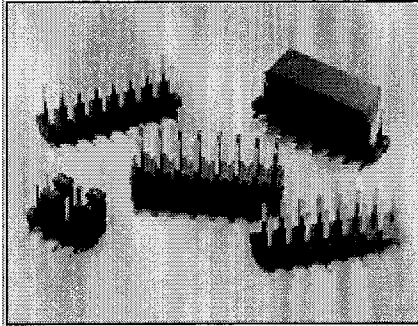
TWO ROW LOW PROFILE STAMPED SOCKET



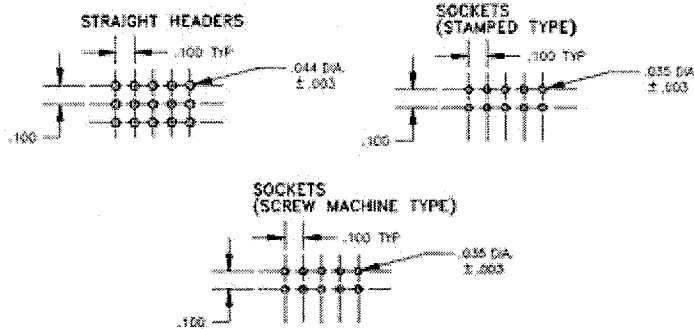
| PART NUMBER | "A" | | "B" | | "C" | | "D" | | PLATING OPTIONS YY | NUMBER OF POSITIONS XX |
|-------------|------|------|------|------|------|------|------|------|--------------------|------------------------|
| | mm | Inch | mm | Inch | mm | Inch | mm | Inch | | |
| 1117-XXYY | 9.14 | .360 | 6.22 | .245 | 2.92 | .115 | 6.22 | .245 | T; G2; G230 | 4-80 |
| 1119-XXYY | 7.49 | .295 | 6.22 | .245 | 1.27 | .050 | 6.22 | .245 | T; G2; G230 | 4-80 |

2.54mm (.100") CENTER PRODUCTS

Technical Information



Recommended PCB Patterns



Headers

Low Temperature Plastic Insulator

glass filled nylon or
polyester, UL 94 VO
temp range -65° to + 125° C
insulation resistance 5000 megohm @ 500 VDC
Color - black

High Temperature Plastic Insulator

Hi-temp Stanyl thermoplastic UL 94VO
Temp Range -65° to + 260° C
Heat Deflection: 260° C @ 264 psi
Insulation Resistance 5000 MEG OHM @ 500 VDC
RoHS Compliant
Color - black

Terminal : (Both .025 sq and .020 dia)

Material - Phosphor Bronze, drawn wire, burr free both ends.
Current Rating - 3 amp continuous @ 100 VDC/Contact. - .025 sq.
- 2 amp continuous @ 100 VDC/Contact. - .020 dia.

TOLERANCES - unless otherwise noted on a specific part,
the following tolerances apply to all parts.

Straight Headers

| | "A" | | "B" | | "C" | | "D" | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|
| | mm | Inch | mm | Inch | mm | Inch | mm | Inch |
| Ref | ±.203 | ±.008 | ±.254 | ±.010 | ±.254 | ±.010 | ±.254 | ±.010 |

Right Angle Headers

| | "A" | | "B" | | "C" | | "D" | | "E" | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | mm | Inch | mm | Inch | mm | Inch | mm | Inch | mm | Inch |
| Ref | ±.203 | ±.008 | ±.254 | ±.010 | ±.254 | ±.010 | ±.254 | ±.010 | ±.254 | ±.010 |

Surface Mount Headers

| | "A" | | "B" | | "C" | | "D" | | "E" | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | mm | Inch | mm | Inch | mm | Inch | mm | Inch | mm | Inch |
| Ref | ±.254 | ±.010 | ±.203 | ±.008 | ±.254 | ±.010 | ±.254 | ±.010 | ±.508 | ±.020 |

Sockets

Stamped Type

Insulator

Material - Glass filled thermoplastic, UL 94V-O Rated
Temp Range - -65° C to + 125° C - Hi Temp where indicated; -65°C to +240°C
Insulation Resistance - 5000 megohm @ 500 VDC
RoHS Compliant
Color - black

Contact -

Material - Phosphor Bronze
Current Rating - 1 amp continuous @ 100 VDC/Contact

Screw Machine Type -

Insulator

Material - Glass filled thermoplastic, UL 90 V-O rated
Temp Range - -65° to + 125°C
Insulation Resistance - 5000 MEG OHM @ 500 VDC
RoHS Compliant
Color - black

Contact -

Shell - Phosphor Bronze
Contact Clip - BeCu Spring
Current Rating - 1 amp continuous @ 100 VDC/Contact

TOLERANCES - unless otherwise noted on a specific part,
the following tolerances apply to all parts.

| | "A" | | "B" | | "C" | | "D" | | "E" | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | mm | Inch | mm | Inch | mm | Inch | mm | Inch | mm | Inch |
| Ref | ±.254 | ±.010 | ±.254 | ±.010 | ±.254 | ±.010 | ±.254 | ±.010 | ±.254 | ±.010 |

PLATING VALUES

- TLF = 150u" (3.8u) pure bright tin over 50u" (1.3u) Ni
- G = 3- 5u" (.08 - .13u) gold over 50u" (1.3u) Ni
- G1 = 10u" (.25u) gold over 50u" (1.3u) Ni
- G130 = 30u" (.76u) gold over 50u" (1.3u) Ni
- G2LF = 10u" (.25u) gold over 50u" (1.3u) Ni at mating end - balance of pin 150u" (3.8u) pure bright tin over 50u" (1.3u) Ni
- G230LF = 30u" (.76u) gold over 50u" (1.3u) Ni at mating end- balance of pin 150u" (3.8u) pure bright tin over 50u" (1.3u) Ni (Consult Factory)
- G30 = 30u" (.76u) gold over 50u" (1.3u) Ni in mating zones- The balance of the pins is gold flash.
- P1 = 50u" (1.3u) Ni overall, followed by 30u" (.76u) Palladium/Ni overall, followed by 3u" (.08u) gold overall
- P2 = 50u" (1.3u) Ni overall, followed by 30u" (.76u) Palladium/Ni overall, followed by 3u" (.08u) gold on mating area, 150u" (3.8u) bright tin over 50u" (1.3u) Ni balance of pin