



LOW PROFILE SOCKETS SERIES

Mates with: **SPECIFICATIONS** FTSH, FTS, FW. FFDL2 For complete specifications and recommended PCB layouts **APPLICATIONS** see www.samtec.com?CLP Insulator Material: CLP FTSH Black Liquid Crystal Polymer Contact Material: Phosphor Bronze **Plating:** Sn or Au over 50µ" (1,27µm) Ni HORIZONTAL Current Rating: 1.75A @ 80°C ambient Operating Temp Range: -55°C to +125°C Contact Resistance: 10 mΩ max APPLICATION

Call Samtec.

(1,27mm x 1,27mm) High reliability Tiger Claw[™] contacts .050" x .050" micro pitch Low Profile (2,21mm) .087" Surface Mount SPECIFIC OPTION Suitable for pass-through Single row options available.

applications

Insertion Depth: Top Entry = (1,40mm) .055" minimum, Bottom Entry = (2,41mm) .095" minimum plus board thickness

DH Entry = (2,31mm) .091" to (2.67mm) .105" Insertion Force: (Single contact only) 3.8oz (1,05N) average Normal Force: 60 grams (0,59N) average Withdrawal Force:

(Single contact only) 2oz (0,56N) average Max Cycles:

100 with 10μ" (0,25μm) Au RoHS Compliant:

Processing:

Max Processing Temp: 230°C for 60 seconds, or 260°C for 20 seconds 3x Lead-Free Solderable:

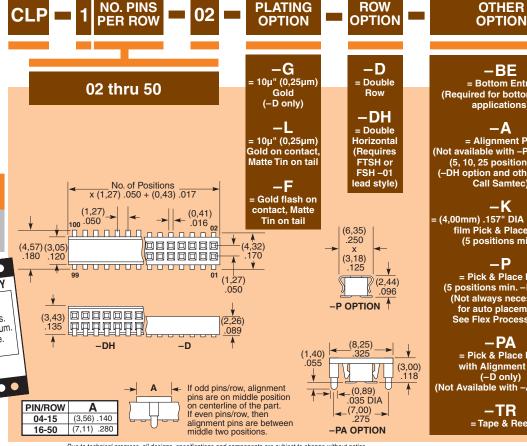
SMT Lead Coplanarity: (0,10mm) .004" max (02-35) (0,15mm) .006" max (36-50)

ALSO AVAILABLE

Single row available.

(Mates with FTS Series) Call Samtec. •••••• TAPE & REEL AVAILABILITY No tooling charges. Minimum order is the lesser of a full reel quantity or 125 pieces. Order any quantity above minimum. In-house design, manufacture. Quick turn-around. Call Samtec for specifications and ordering information. ••••••

Note: Some sizes, styles and options are non-standard. non-returnable.



-BE = Bottom Entry (Required for bottom entry applications) -A= Alignment Pin (Not available with -PA option) (5, 10, 25 position only) (–DH option and other sizes. Call Samtec) = (4,00mm) .157" DIA Polyimide film Pick & Place Pad (5 positions min.) = Pick & Place Pad (5 positions min. –D only) (Not always necessary for auto placement. See Flex Processing.) -PA= Pick & Place Pad with Alignment Pin (-D only) (Not Available with -A option) -TR = Tape & Reel

Due to technical progress, all designs, specifications and components are subject to change without notice.

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