0,50 mm DIFFERENTIAL PAIR

QSH-DP SERIES

SPECIFICATIONS
For complete specifications and recommended PCB layouts see www.samtec.com/QSH-DP

Insulator Material: Liquid Crystal Polymer
Contact Material: Phosphor Bronze
Plating: Au over 50µ" (1.27µm) Ni
Current Rating: Contact: 1.0A @ 30°C
Temperature Rise: Ground Plane: 7.8A @ 30°C
Operating Temp Range: -55°C to +125°C
Voltage Rating: 125 VAC mated with QTH-DP & 5mm Stack Height
RoHS Compliant: Yes
Processing:
Max Processing Temp: 230°C for 60 seconds, or 260°C for 20 seconds 3x
Lead-Free Solderable: Yes
SMT Lead Coplanarity: (0.10mm) .004” max (020-060) (0.15mm) .006” max (080)
Board Stacking: For applications requiring more than two connectors per board or 80 pairs or higher, contact ipg@samtec.com

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

Mates with: QTH-DP, HQDP, HFHM, HFHM2
(See Application Spec note)

STACK HEIGHT

LEAD STANDARD MATED HEIGHT
STYLE (5.00) .198

PROCESSING CONDITIONS WILL AFFECT MATED HEIGHT.

ALSO AVAILABLE
Board Spacing Standoffs. See SO Series.

APPLICATION SPECIFIC OPTION
• 30µ" (0.76µm) Gold (Specify -H plating for Data Rate cable mating applications)
• 8mm, 11mm, 14mm, 15mm, 16mm, 19mm, 22mm, 25mm and 30mm stack height (Caution: Some automatic placement/inspection machines may have component height restrictions. Please consult machinery specifications.)
• 100 Pairs
• Edge Mount and Guide Posts
• “Partitionable” (combine differential & single-ended)

Call Samtec.

QSH = NO. OF PAIRS = 01
PLATING OPTION = D
DP = A
OTHER OPTION

QSH-020-01-F-D-DP-A
QSH-040-01-L-D-DP-A
QSH-060-01-L-D-DP-A

PROCESS CONDITIONS WILL AFFECT MATED HEIGHT.

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

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