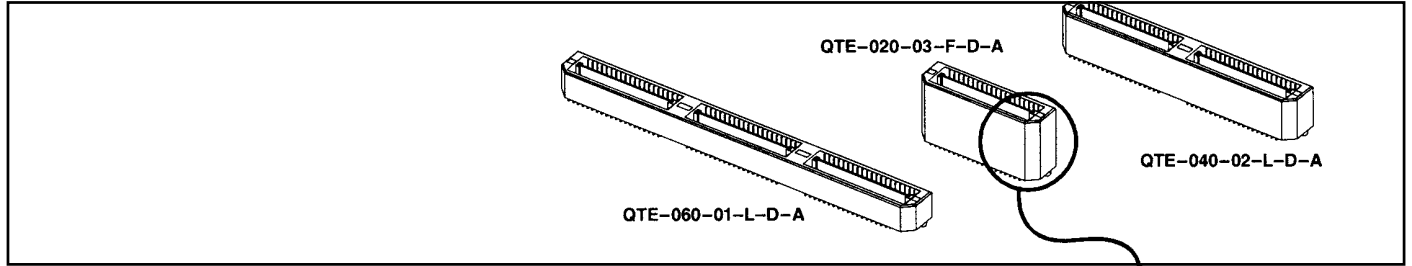


QTE Series 0.80mm Pitch High Speed Header



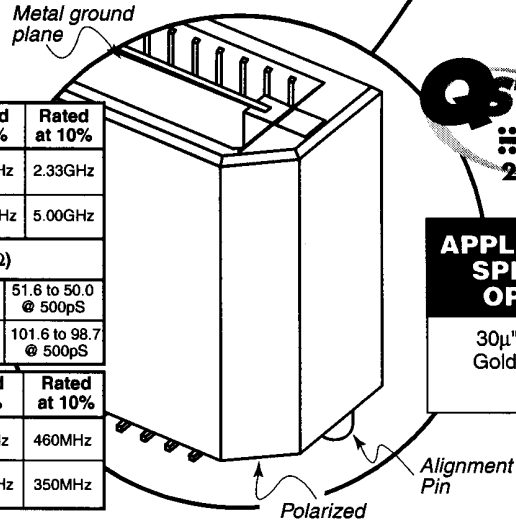
SPECIFICATIONS

Insulator Material:
Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze
Current Rating:
Contacts: 2A @ 80°C
Ground Plane: 9.5A @ 80°C
Operating Temp Range:
-65°C to +125°C
Voltage Rating:
225 VAC mated with QSE
& 5mm Stack Height
Plating:
Au over 50µ" (1,27µm) Ni



Mates with:
QSE

Configuration (5mm Stack)	Near End Crosstalk		Prop. Delay	Rated at 5%	Rated at 10%
Single Ended	~5% @ 1.20GHz	~9% @ 2.33GHz	35.0pS	1.2GHz	2.33GHz
Differential Pair	~3% @ 2.33GHz	~4.25% @ 5.00GHz	35.0pS	2.33GHz	5.00GHz
Configuration (5mm Stack)	Impedance Mismatch (Ω)				
Single Ended	64.0 to 50.0 @ 50pS	56.2 to 50.0 @ 100pS	52.9 to 50.0 @ 250pS	51.6 to 50.0 @ 500pS	
Differential Pair	104.5 to 87.1 @ 50pS	102.3 to 92.2 @ 100pS	101.6 to 96.4 @ 250pS	101.6 to 98.7 @ 500pS	
11mm Stack	Rated at 5%	Rated at 10%	22mm Stack	Rated at 5%	Rated at 10%
Single Ended	350MHz	440MHz	Single Ended	220MHz	460MHz
Differential Pair	875MHz	2.30GHz	Differential Pair	<350MHz	350MHz



APPLICATION SPECIFIC OPTION
30µ" (0,76µm)
Gold available.

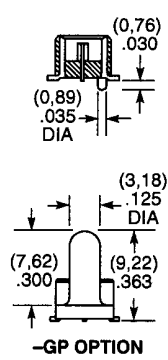
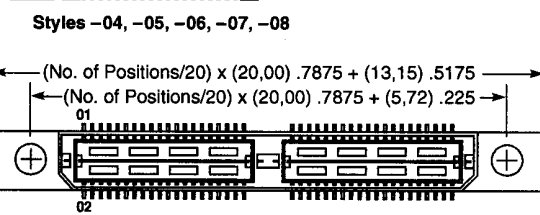
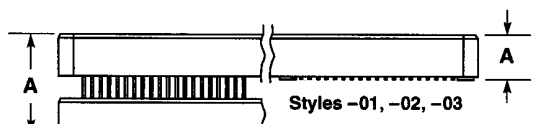
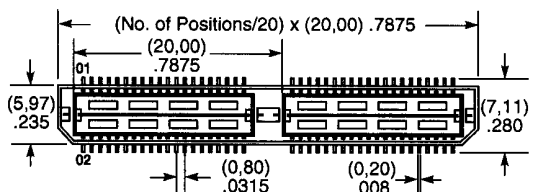


-020, -040, -060, -080, -100
(40 total positions per bank)

Specify LEAD STYLE from chart.

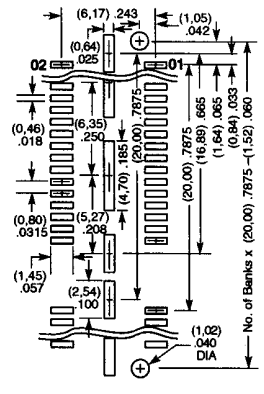
-F
= Gold Flash on Signal Pins and Ground Plane
-L
= 10µ" (0,25µm) Gold on Signal Pins and Ground Plane

-GP
= Guide Posts (Style -01 only)
-K
= (7,00mm) .275" DIA Polyamide Film Pick & Place Pad
-TR
= Tape & Reel Packaging (-060 positions maximum: -040 positions maximum with -GP) Styles -05, -06, -07, -08 not available



LEAD STYLE	A	HEIGHT WITH QSE
-01	(4,27) .168	(5,00) .197
-02	(7,26) .286	(8,00) .315
-03	(10,26) .404	(11,00) .433
-04	(15,34) .604	(16,10) .634
-05	(18,33) .722	(19,10) .752
-06	(21,33) .840	(22,10) .870
-07	(24,23) .954	(25,00) .984
-08	(29,23) 1.151	(30,00) 1.181

Processing:
Max Processing Temp: 230°C for 60 seconds
SMT Lead Coplanarity: (0,10mm) .004" max (020-060) (0,15mm) .006" max (080-100)
Suggested PCB Layouts: For reference only.



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

