

## SPECIFICATIONS

### Mechanical

**Mating Force:** 90gf max. per Contact  
**Unmating Force:** 10gf min. per Contact  
**Durability:** 50 Cycles

### Electrical

**Current Rating:** 0.5A DC  
**Contact Resistance:** 50mΩ max. (for Mated height = 8mm)  
 70mΩ max. (for Mated height > 8mm)  
**Dielectrical Withstanding Voltage:** 200V  
**Insulation Resistance:** 500MΩ min.(initial) , 100MΩ min.(after)

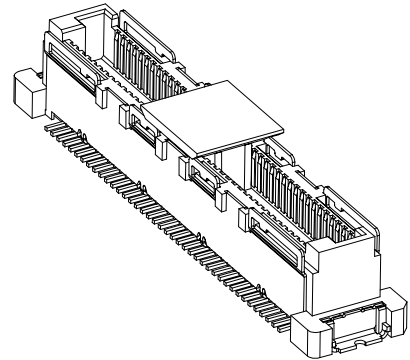
### Physical

**Housing:** LCP, UL 94V-0 rated in Ivory White Color  
**Contact:** Brass  
**Plating:** 4~10u" min. Gold Plating on Contact Area  
**Metal Ear:** Brass  
**Operating Temperature:** -40 to +80

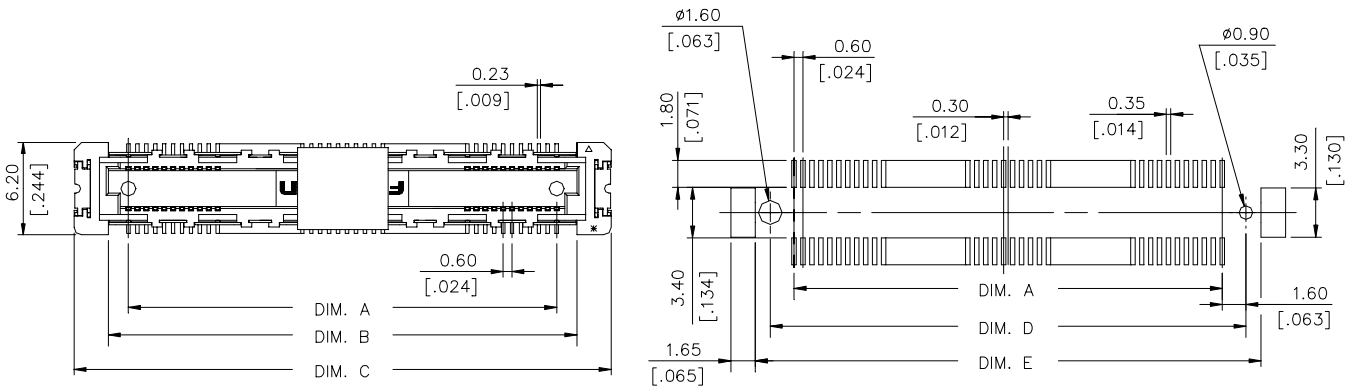
## Board to Board Connector

**QTS0 Series**  
**0.60mm [.024"] Pitch**  
**Vertical, Plug**  
**for High Speed application**

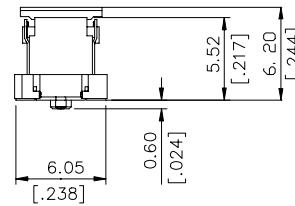
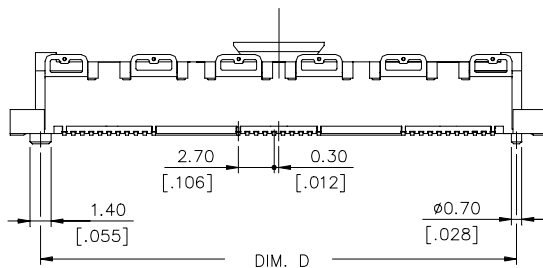
**Mated with QTS1 Series**



## DRAWING



RECOMMENDED P.C.B. LAYOUT



## ORDERING INFORMATION

PRODUCT NO.: Q T S 0 \* \* \* A - 3 1 2 1 - 9 F

Series Prefix

S=0.6 [0.024] Pitch

0=Plug

No. of Pos.

040=40 Pos.

160=160 Pos.

Contact Area Plating

A=4~10u" Gold

F: Lead Free

Package

9=Tape&Reel(single) W/ Cap

Metal Ear

1=W/ M/E

Metal shield & Solder Type

1=W/ S/P & SMT type

Profile Height

3=5.52 [0.217]

POS.	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E
160	47.40 [1.866]	50.10 [1.972]	54.70 [2.154]	50.60 [1.992]	51.80 [2.039]
140	41.40 [1.630]	44.10 [1.736]	48.70 [1.917]	44.60 [1.756]	45.80 [1.803]
120	35.40 [1.394]	38.10 [1.500]	42.70 [1.681]	38.60 [1.520]	39.80 [1.567]
100	29.40 [1.157]	32.10 [1.264]	36.70 [1.445]	32.60 [1.283]	33.80 [1.331]
80	23.40 [.921]	26.10 [1.028]	30.70 [1.209]	26.60 [1.047]	27.80 [1.094]
60	17.40 [.685]	20.10 [.791]	24.70 [.972]	20.60 [.811]	21.80 [.858]
40	11.40 [.449]	14.10 [.555]	18.70 [.736]	14.60 [.575]	15.80 [.622]