SPECIFICATIONS

Board to Board Connector

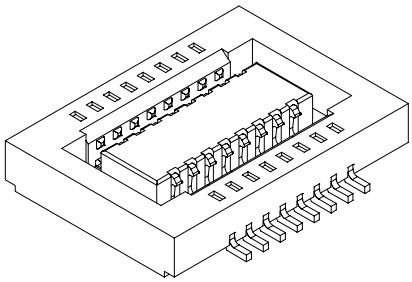
QT51 Series
0.50mm [.020"] Pitch
Low Profile, Receptacle

Mated with QT50 Series
Mated Height 1.50mm

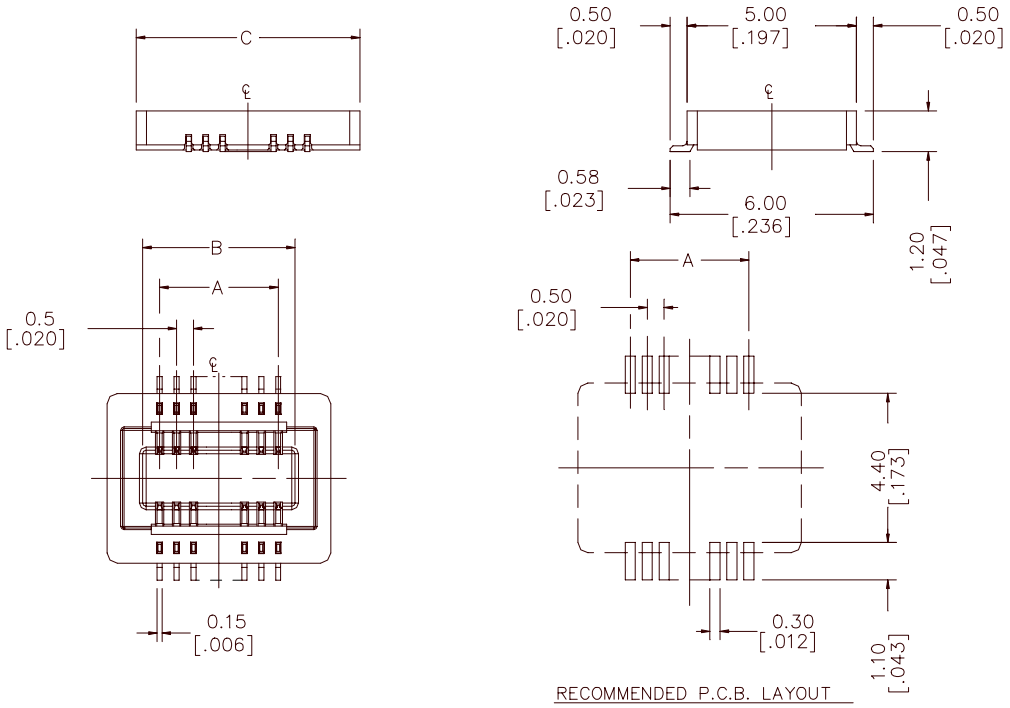
Mechanical
Contact Retention Force: *100gf min.*
Durability: *30 Cycles*

Electrical
Current Rating: *0.5A DC*
Contact Resistance: *80mΩ max.*
Dielectrical Withstanding Voltage: *500V*
Insulation Resistance: *100MΩ min.*

Physical
Housing: *Thermoplastic, UL 94V-0 rated in Black Color*
Contact: *Phosphor Bronze*
Plating: *60u" min. Nickel Base Plating*
10u" min. Gold Plating on Contact Area
16u" min Gold Plating on Solder Tail Area
Metal Ear: *Copper Alloy*
Operating Temperature: *-40℃ to +85℃*



DRAWING



ORDERING INFORMATION

PRODUCT NO. Q T 5 1 NNN 6-L 0 1 0 - 7 F

- Fine Pitch
- Board to Board Conn.
- 5=0.5mm Pitch
- 1=Receptacle
- Position No.
  016=16pos
  020=20pos
  022=22pos
  030=30pos
  040=40pos
  050=50pos
  070=70pos
  080=80pos
  100=100pos
- Contact Plating
  6=10u" Min Gold
- Profile Height
  L=M.H.=1.50mm
- Post
  0=W/O Post
- Metal Ear
  0=W/O Metal Ear
- Package Code
  7=Tape&Reel
- Lead Free Code
  F=For Lead Free

P/N	POS	A	B	C
QT511006-L010-7F	100	24.5 [0.965]	25.5 [1.003]	27.6 [1.087]
QT510806-L010-7F	80	19.5 [0.768]	20.5 [0.807]	22.6 [0.890]
QT510706-L010-7F	70	17.0 [0.669]	18.0 [0.709]	20.10 [0.791]
QT510506-L010-7F	50	12.0 [0.472]	13.0 [0.512]	15.10 [0.594]
QT510406-L010-7F	40	9.50 [0.374]	10.50 [0.413]	12.60 [0.496]
QT510306-L010-7F	30	7.00 [0.276]	8.00 [0.315]	10.10 [0.398]
QT510226-L010-7F	22	5.0 [0.197]	6.0 [0.236]	8.1 [0.319]
QT510206-L010-7F	20	4.5 [0.177]	5.5 [0.217]	7.6 [0.299]
QT510166-L010-7F	16	3.5 [0.138]	4.5 [0.177]	6.6 [0.260]

All specification & dimensions are subject to change, please call your nearest Foxconn sales representative for update information.