

### TYPE B FLEX-FIT™ FEMALE PCB CONNECTOR



#### PHYSICAL PROPERTIES

**INSULATION MATERIAL:** Glass filled thermoplastic rated UL 94V-0

**COLOR:** Gray

**CONTACTS:** Copper alloy, nickel plate overall, gold finish in contact zone. Tin/lead on solder tails, tin/lead or gold on posts.

#### ELECTRICAL PROPERTIES

**CURRENT RATING:** 2 Amps per pin

**INSULATION RESISTANCE:** >1 x 10<sup>9</sup> Ohms

**DIELECTRIC STRENGTH:** > 500 VDC at sea level

#### ENVIRONMENTAL PROPERTIES

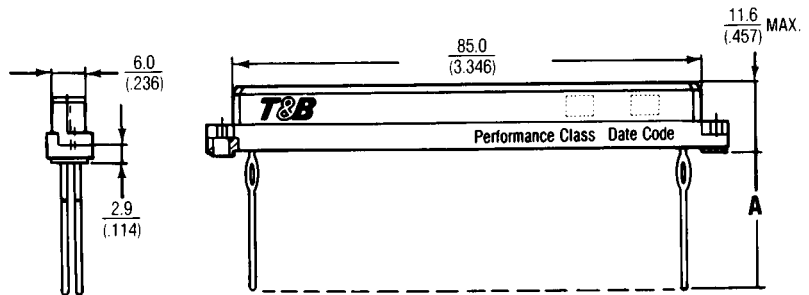
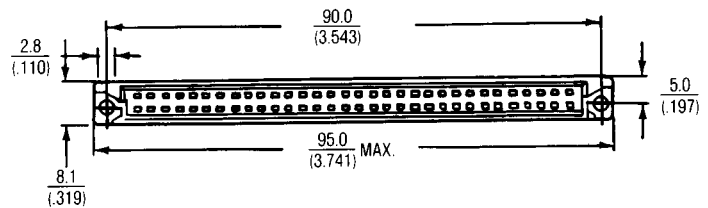
**TEMPERATURE RATING:** -55°C TO 125°C

#### INITIAL INSERTION FORCE PER PIN

40 lbs. maximum when staked into glass epoxy PCB substrate 0.037" diameter finished through-hole

#### RETENTION FORCE PER PIN

10 lbs. minimum when staked into glass epoxy PCB substrate 0.043" diameter finished through-hole



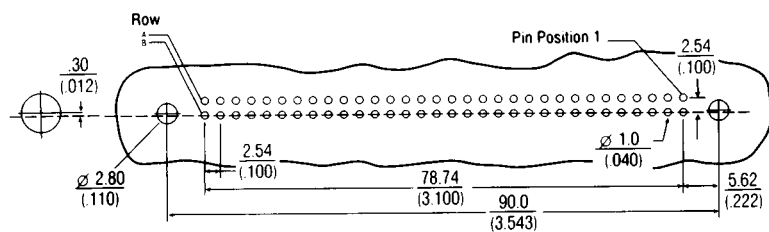
#### X PERFORMANCE LEVEL

- 1 level 1 - 500 mating cycles
- 2 level 2 - 400 mating cycles
- 3 level 3 - 50 mating cycles

#### Y TAIL PLATING

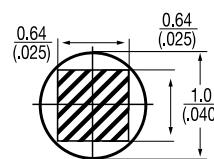
- 1 Tin/Lead
- 2 Gold Flash (.200" From Pin Tip)
- 3 Gold Plate (30 microinches .200" From Pin Tip)

#### Recommended Printed Circuit Board Layout



#### Ordering Information

NO. OF CONTACTS	CONTACT LOADING	CATALOG NO. SPECIFY X AND Y	TERMINATION STYLE	MM (INCHES)
32 64	a, b a, b	2, 4, 6 -32 1, 2, 3 -32	FB032-081-X FB064-081-X	A = 4.7 (.184)
32 64	a, b a, b, c	2, 4, 6 -32 1, 2, 3 -32	FB032-091-X-Y FB064-091-X-Y	A = 13.0 (.512)
32 64	a, b a, b	2, 4, 6 -32 1, 2, 3 -32	FB032-101-X-Y FB064-101-X-Y	A = 17.0 (.669)
32 64	a, b a, b	2, 4, 6 -32 1, 2, 3 -32	FB032-111-X-Y FB064-111-X-Y	A = 20.9 (.823)



**Press-Fit  
Wire Wrap Post**  
0.64 x 0.64  
(.025 x .025)