

**ELECTRICAL:**

CONTACT CURRENT RATING: 3 AMP  
 DIELECTRIC WITHSTANDING VOLTAGE: AC 1000/ 60 SEC. R.M.S.  
 INSULATION RESISTANCE: > 5000M ohms at 500V DC  
 CONTACT RESISTANCE: 25m ohm MAX.  
 OPERATING TEMPERATURE: -55° C TO +105° C

**MACHANICAL CHARACTERISTICS:**

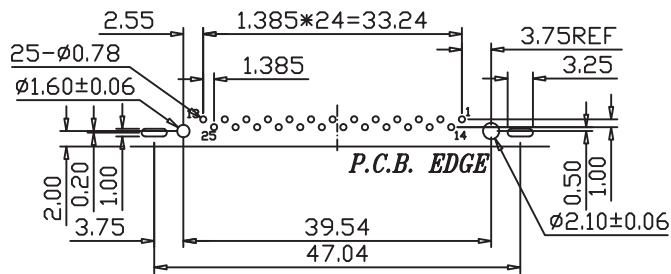
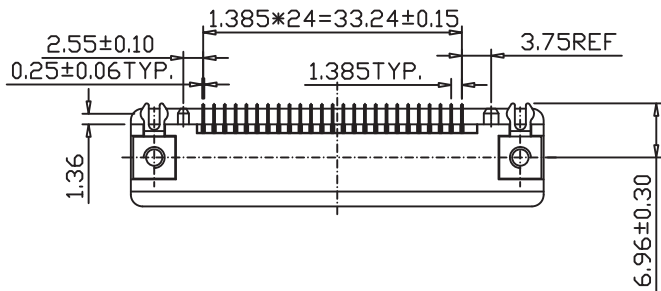
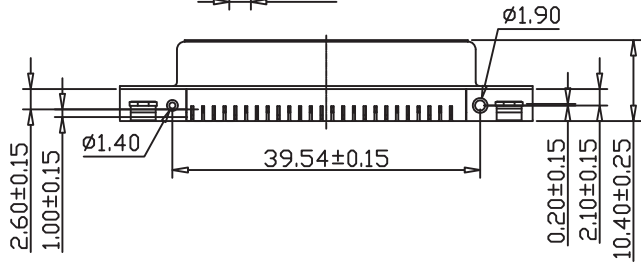
CONTACT INSERTION FORCE: 341 g. MAX.  
 CONTACT SEPARATION FORCE: 21 G. MAX.

**MATERIAL:**

INSULATOR: PBT (UL94V-0) RATED.  
 CONTACTS: COPPER ALLOY  
 SHELL: COLD ROLLER STEEL

**FINISHES:**

SHELL: NICKEL PLATED.



RECOMMENDED P.C.B. LAYOUT

**HOW TO ORDER:**

A 5 1 1 - 2 5 1 X - X 1 X - Z

**CONTACT TYPE: NUMBER OF CONTACTS:**

1 - FEMALE 25

**INSULATOR**

- 0 - PC99 (Blue)
- 1 - PBT (Black)
- 2 - High Temperature Nylon (Black)
- 3 - High Temperature Nylon (PC99 Color)

**FLANGE OPTION**

- 0 - # 4 / 40 Threaded Insert
- 1 - # 4 / 40 Threaded Insert  
With # 4 - 40 UNC  
Screwlock Installed
- 2 - # 4 / 40 Threaded Insert  
With # 4 - 40 UNC  
Screwlock (Bulk Packed)

**RoHS  
COMPLIANT**

**SELECTIVE GOLD PLATING:**

- 1 - Au FLASH CONTACT AREA/TIN TAIL
- 9 - 15u" Au CONTACT AREA/TIN TAIL
- A - 30u" Au CONTACT AREA/TIN TAIL

Rev	Drawn	Checked	Approved	Date
0	B.S.	S.M.	S.M.	11/03/08
A	B.S.	S.M.	S.M.	09/30/10

**SMP TECHNOLOGY, INC.**

D-Sub Connector, Ultra Thin, 25 Position, Receptacle, Thru Hole, 2.5mm Foot Print

TOL. DEC. .X +/- 0.25 .XX +/- 0.25 .XXX +/- 0.13 ANGLE +/- 2° UNIT: mm

P/N: A511-251X-X1X-Z

Pg: 1