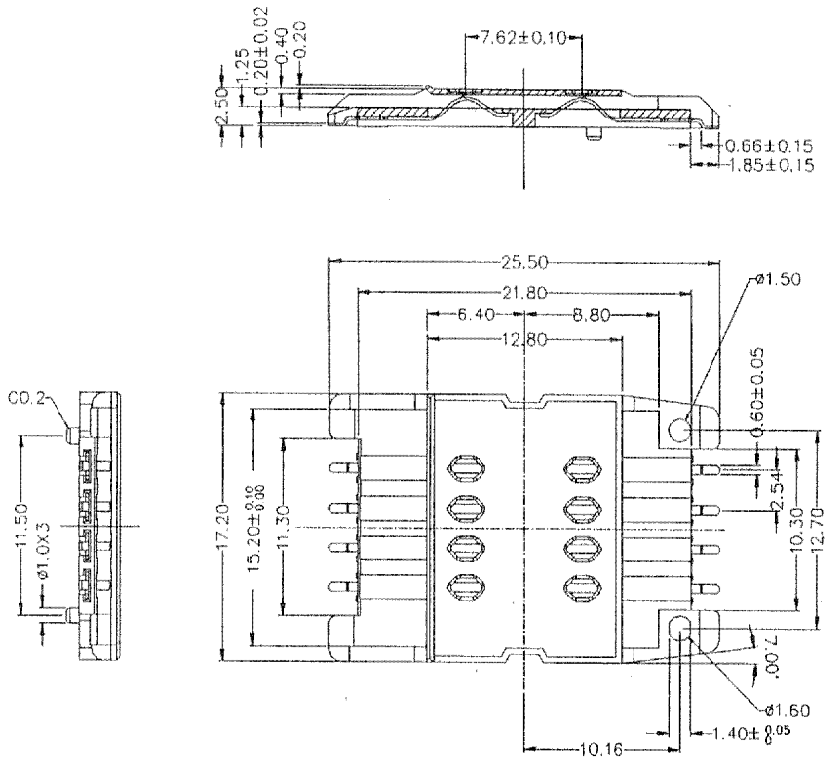
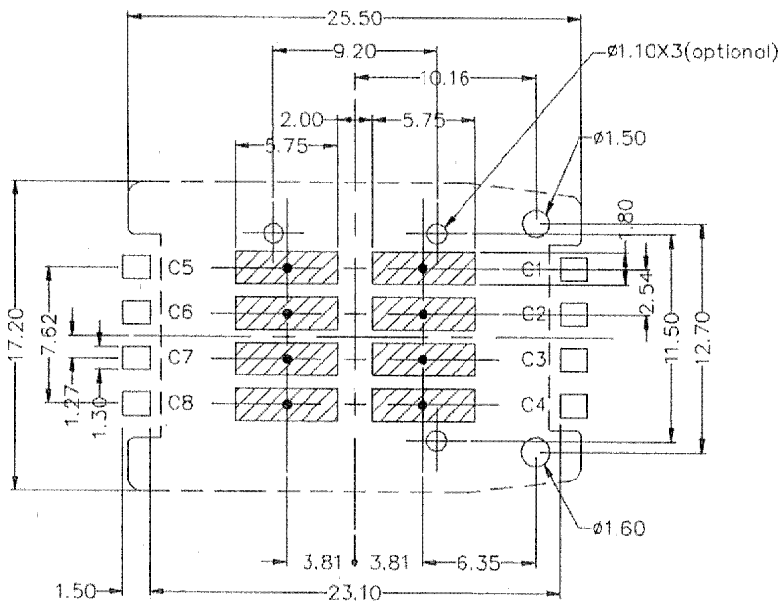
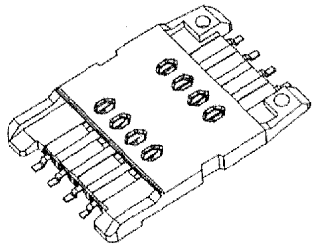


UNIT :mm, Tolerances: ±0.10mm
Mechanical outline dimension



UNIT :mm, Tolerances: ±0.10mm
Reference dimension for PCB layout



TECHNICAL CHARACTRISTICS

1.General Characteristics
Dimensions: 25.5L x 17.2W x 2.50H mm
Weight: Approx. 1.5 g
Contact principle: Friction technology
Operating position: Shaft up / Down / Horizontal
Mounting System: SMT
Durability: 10,000 cycles min.

2. Mechanical Characteristics:
Insulation material: Thermoplastic, UL 94V-0

3.Electrical Characteristics
Number of contacts (Optional): 6, 8 pins
Contact resistance : 50 mΩ typical,100 mΩ max.
Insulation resistance: > 1000 MΩ / 500 Vdc

4. Solderability
Wave: Not applicable
Vaporphase: 215°C, 30 sec. Max.
IR reflow: 230°C, 10~15 sec. Max.
Manual soldering: 360°C, 3 sec. Max.

5. Environmental Characteristics
Operating temperature : - 40°C ~ + 85°C
Operating humidity : 10% ~ 95 % RH
Storage temperature: - 40°C ~ + 85°C
Storage humidity: 10% ~ 95% RH
Thermal shock: - 40°C ~ + 85°C, 5 cycles
Damp Heat: 40°C, 90 % RH, 500HR.
Salt-mist: 35°C, 5%, NaCl , 48HR.

COSMOS HIGH-TECH CO., LTD.

MODEL NO.: **ICA-503 8pin**

REVISION: 1.0

DATE:10 May, 2001