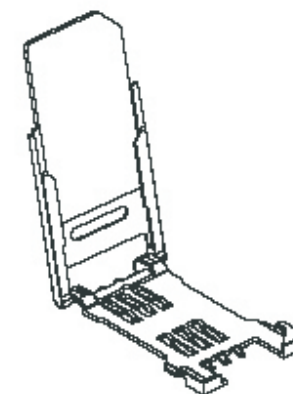


Unit: mm; Tolerances:  $\pm 0.15$  mm  
Reference dimension for PCB layout

REV	ECN. NO.	APP	DATE
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### TECHNICAL CHARACTERISTICS

#### 1. General Characteristics

Dimension: 29.85L x 17.30W x 1.80H mm  
Weight: Approx. 0.68 g  
Contact principle: Friction technology  
Operating position: Shaft up / Down / Horizontal  
Mounting System: SMT Type (post optional)  
Durability: 5,000 cycles min.

#### 2. Mechanical Characteristics

Insulation material: Thermoplastic, UL 94V-0  
RoHS Directive 2002/95/EC Compliant

#### 3. Electrical Characteristics

Number of contacts: 6, 8 pins (optional)  
Contact resistance: 50 m $\Omega$  typical, 100 m $\Omega$  max.  
Insulation resistance: >1000 M $\Omega$  / 500 VDC

#### 4. Solderability


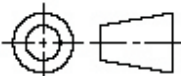
Wave: Not applicable  
IR reflow: 260°C, 10 sec. Max.  
Manual soldering: 360°C, 3 sec. Max.

#### 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

**HOW TO ORDER:**  
**MX-ICA-506-[ ]C-[ ]**  
1 2

1- Nr. of Contacts:  
06 or 08.  
2- (R) RoHS Compliant

 <b>MATRIX TECNOLOGIA IND. E COM. LTDA.</b>			
UNIT	SCALE	TITLE	DATE
mm		MX-ICA-506-XC	SEPTEMBER 2007
TOLERANCE: $\pm 0.25$			APP. BY
		MATL	CHK. BY
		DWG. NO.	DR. BY DIEGO