

Unit: mm; Tolerances: ± 0.15 mm
Reference dimension for PCB layout

TECHNICAL CHARACTERISTICS

1. General Characteristics

Dimension: 29.85L x 17.20W x 3.00H mm
Weight: Approx. 1.40 g
Contact principle: Friction technology
Operating position: Shaft up / Down / Horizontal
Mounting System: SMT Type (post optional)
Durability: 10,000 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 Ω typical, 100 m Ω max.
Insulation resistance: >1000 M Ω / 500 VDC

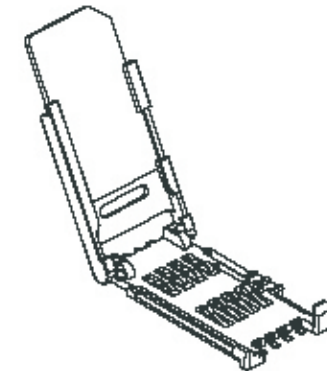
4. Solderability

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


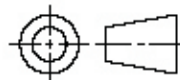
| REV | ECN. NO. | APP | DATE |
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HOW TO ORDER:
MX-ICA-510-[]C-[]
1 2

1- Nr. of Contacts
06 or 08.

2- (R) RoHS Compliant

|  MATRIX TECNOLOGIA IND. E COM. LTDA. | | | |
|--|-------|---------------|----------------|
| UNIT | SCALE | TITLE | DATE |
| mm | | MX-ICA-510-XC | SEPTEMBER 2007 |
| TOLERANCE: ± 0.25 | | | APP. BY |
|  | | MATL | CHK. BY |
| | | DWG. NO. | DR. BY DIEGO |