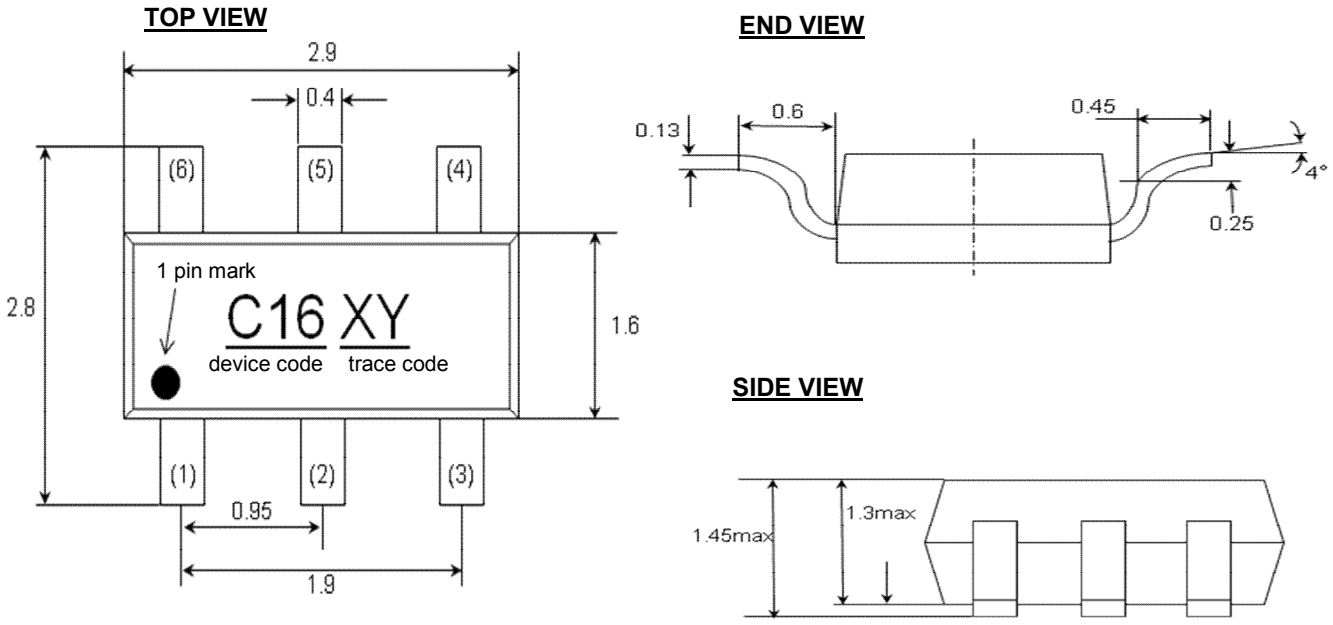
1. Application

● ESD Protection

2. Features

● IEC61000-4-2(ESD) ±15kV(air), ±10kV(contact)
● Low capacitance : 1.0pF typical
● Fast turn on and low clamping voltage
● For 4lines

3. Mechanical details (dimensions : mm)



Pin configuration

No.	Terminal name
1	I/O 1
2	GND
3	I/O 2
4	I/O 3
5	VDD
6	I/O 4

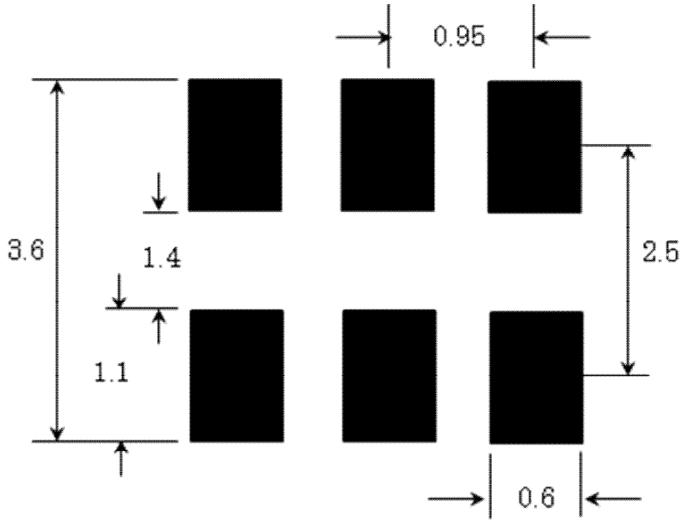
4. Maximum Ratings

Rating	Symbol	Value	Units
Operating voltage(VDD-GND)	V_{DC}	6	V
ESD per IEC 61000-4-2 (air) ESD per IEC 61000-4-2 (contact)	V_{ESD}	±15 ±10	kV
Lead Soldering Temperature	T_{SOL}	260(10sec.)	°C
Operating Temperature	T_{OP}	-40 to +85	°C
Storage Temperature	T_{STO}	-40 to +125	°C

5. Electrical characteristics (T=25 °C)

Parameter	Symbol	Conditions	Min	Typ	Max	Units
Leakage Current (I/O-GND)	I_{Leak}	V_{pin5}=5V, V_{pin2}=0V, V_{CH}=0-5V			1	µA
Breakdown Voltage	V_{BV}	I_{BV} = 1mA	6			V
Capacitance (I/O-GND)	C_{IN}	V_{pin5} = 5V, V_{pin2} = 0V, V_{IN} = 2.5V, f = 1MHz		1.0		pF

6. Soldering Footprint (dimensions : mm)



Notes : this land layout is for reference purpose only.