

# PLCC Sockets Surface Mount

### SPECIFICATION:

#### Material:

Contact material	5210 phosphor bronze hardness 230°, 0.2mm thickness
Contact plating	Tin plated 160µ" over nickel tin/lead 90%:10%
Insulator material	40% glass filled in PPS UL94-V0
Operating temperature	-50°C to +105°C

#### Mechanical performance:

Durability	Per MIL-STD-1344, method 2016, 25 cycles
Vibration	Per MIL-STD-810C, method 514.2, 10 200,000Hz 5G's
Shock	Per MIL-STD-810C, method 516.2, 35G's
Acceleration	Per MIL-STD-810C, method 513.2, 15G's
Contact force	210g/per pin

#### Electrical Performance:

Contact resistance	Initial: 6.5mΩ average, final: 15.0Ω Max. after testing
Insulation resistance	>10000MΩ
Dielectric strength	1000V AC continuous for 1 minute
Capacitance	Less than 1.0pF @ 1000KHz
Inductance	Self: 5.0nH max @ 5MHz, mutual: 1.0nH Max. @ 500KHz

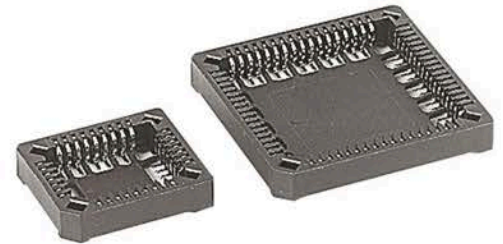
#### Electrical Performance:

Thermal shock	Per MIL-STD-1344, method 1003, condition A, cycled from +55°C to +80°C, no discontinuity or physical damage
Temperature/humidity	Per MIL-STD-1344, method 1002, 85°C/85% RH

#### Approvals:

UL E144427

No. of ways	A±0.2	B±0.2	C±0.1	D±0.1	E±0.2
20	15.65	15.65	5.08	5.08	16.80
32	18.18	20.75	7.62	10.16	22.40
44	23.28	23.28	12.70	12.70	31.20
68	30.95	30.95	20.32	20.32	38.40



#### TYPICAL PCB LAYOUT (MM)

