

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:

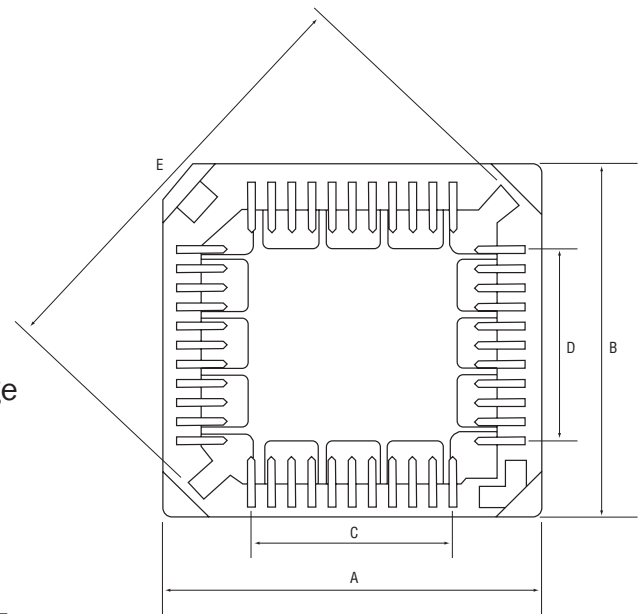
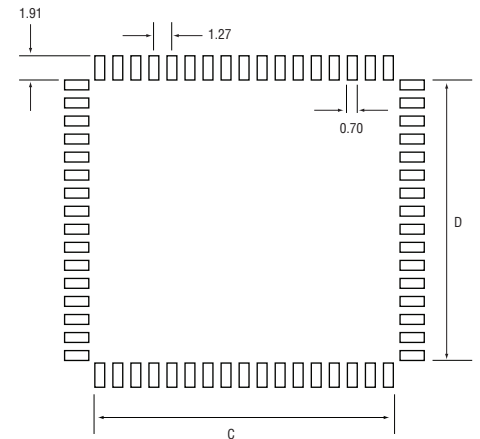
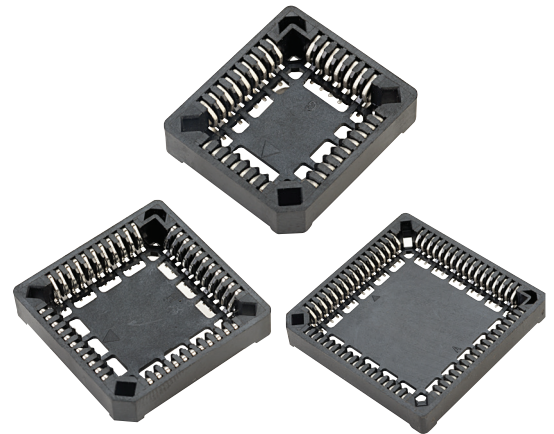
Durability Per MIL-STD-1344, method 2016, 25 cycles
 Vibration Per MIL-STD-810C, method 514.2, 10 200,000Hz 5G's
 Shock Per MIL-STD-810C, method 516.2, 35G's
 Acceleration Per MIL-STD-810C, method 513.2, 15G's
 Contact force 210g/per pin

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



Order code	No. of ways	A±0.2	B±0.2	C±0.1	D±0.1	E±0.2
72-7610	32	18.18	20.75	7.62	10.16	22.40
72-7615	44	23.28	23.28	12.70	12.70	31.20
72-7625	68	30.95	30.95	20.32	20.32	38.40