



SYMBOL	INCHES		
	MIN.	NOM.	MAX.
A	$\frac{\text{---}}{\text{---}}$	.115	.145
D/E	1.840	1.860	1.880
D <sub>1</sub> /E <sub>1</sub>	1.700 BSC		
L	.120	.130	.140
Q	.045	$\frac{\text{---}}{\text{---}}$	.060
Q <sub>1</sub>	.025	$\frac{\text{---}}{\text{---}}$	$\frac{\text{---}}{\text{---}}$
e	.100 BSC		
φ <sub>b</sub>	.016	.018	.020
M	18		

### NOTES:

1. ALL DIMENSIONS AND TOLERANCES CONFORM TO ANSI Y14.5M-1982.
2. SYMBOL 'M' IS THE PIN MATRIX SIZE.
3. CONFORMS TO JEDEC MO-067-AK
4. BYPASS CAPACITOR PADS - GOLD PLATED. MAY OR MAY NOT BE PRESENT ON ALL PACKAGES.
5. LEAD FINISH: GOLD PLATED
  - COMMERCIAL (35 MICROINCHES MIN.)
  - MILITARY (50 MICROINCHES MIN.)

## 191-PIN CERAMIC PGA (PG191)