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JANDEL

CT6 Four Point Probes for use with Creative Design Engineering (CDE) Systems

JANDEL ENGINEERING LTD manufacturers the four point probes used in CDE systems, i.e., those made by Creative Design Engineering. All CT6 probes for CDE have a 1" diameter body, are 1.6" high (25.4mm x 41mm high), and weigh 55g. Probes are built to a high level of mechanical accuracy. Specifications for radii, spacing, and planarity are verified by video inspection system and/or interferometer. Loads are verified by electronic force gauge. Needles have upper and lower jeweled bearings. The probe tips are factory "conditioned" prior to dispatch.

CDE Probe Types					
Type	**Spacing (mm)**	**Spring Load**	**Material**	**Radius (microns)**	**Projection (mm)**
A	1.00	100	TC	40	1.5
B	1.00	100	TC	100	1.5
C	1.00	100	TC	200	1.5
D100	1.00	100	TC	500	1.5
D200	1.00	200	TC	500	1.5
D70	1.00	70	TC	500	1.5
DL	1.00	30	TC	500	1.5
E	1.591	100	TC	40	1.5
EH	1.591	200	TC	40	1.5
F	0.635	100	TC	40	1.0
FC	0.500	100	TC	40	0.75
G	0.635	100	TC	100	1.0
GC	0.500	100	TC	100	0.75
H	0.635	100	TC	200	1.0
HC	0.500	100	TC	200	0.75

CDE Probes have a black anodized nosepiece

- **Projection is the projection of the needles beyond the pad.**
- **All loads are set at 0.5mm retraction**
- **CDE probes can be built in a "vertical" version with the linear array perpendicular to the usual alignment.**
- **CDE probes are available with a square tip array with the tips spaced as close as 0.635 mm (25 mils) apart, however, not with the 0.5mm spacing. The square array and vertical array options do not affect the pricing of the probe. Probes with the square array gives half the signal voltage compared with linear array probes.**
- **Type EH is the industry standard for probing bare silicon. Type E probes are not a standard type for silicon.**
- **All Type D probes should included the load as part of the type, such as D70, D100, etc. instead of simply "D".**
- **Close spacing probes for the CDE systems (types FC, GC, HC with 0.5mm tip spacing) have a 0.75mm tip retraction instead of the 1.5mm retraction used on 1.0mm spacing probes, however, the load is still set at optimum with the probes withdrawn 0.50mm into the probe head..**