

JANDEL

JANDEL ENGINEERING LTD. Manufactures two versions of the 6-way probe to be compatible with systems manufactured by 1) KLA/Tencor (formerly Prometrix) and 2) Creative Design Engineering (CDE). There are mechanical differences between these two types such that they NOT interchangeable between the two brands of systems. All 6-Way probes have a 1" diameter body, are 1.6" high (25.4mm x 41mm high), and weigh 55 grams. Probes are built to 1% mechanical accuracy. Specifications for tip radii, spacing, and planarity are verified by optical interferometer and/or video inspection system. Springs loads are set and verified using a custom electronic force gauge. Jandel's measurement tools calibrated on a yearly basis. Needles have upper and lower jeweled bearings.

KLA-Tencor/Prometrix Probe Types, Specifications, Model Numbers

Probe Type	Spacing (mils)	Loads (grams)	Mat.	Radii (Mils)	Model Number
A	40	100	TC	1.6	CT6-40-100-TC-1.6/PRO
B	40	100	TC	4.0	CT6-40-100-TC-4.0/PRO
C	40	100	TC	8.0	CT6-40-100-TC-8.0/PRO
D	40	100	TC	20.0	CT6-40-100-TC-20.0/PRO
E	62.5	200	TC	1.6	CT6-62.5-200-TC-1.6/PRO
F	25	100	TC	1.6	CT6-25-100-TC-1.6/PRO
G	25	100	TC	4.0	CT6-25-100-TC-4.0/PRO
H	25	100	TC	8.0	CT6-25-100-TC-8.0/PRO



Jandel offers the KLA/Tencor (Prometrix) probes with the close needle spacing of 20 mils (0.5 mm) on request

Creative Device Engineering (CDE) Probe Types, Specifications, Model Numbers

Probe Type	Spacing (mm)	Loads (grams)	Mat.	Radii (μ)	Model Number
A	1.00	100	TC	40	CT6-1.0-100-TC-40/CDE
B	1.00	100	TC	100	CT6-1.0-100-TC-100/CDE
C	1.00	100	TC	200	CT6-1.0-100-TC-200/CDE
D/L	1.00	30	TC	500	CT6-1.0-70-TC-500/CDE
D/70	1.00	70	TC	500	CT6-1.0-100-TC-500/CDE
D100	1.00	100	TC	500	CT6-1.0-200-TC-500/CDE
D200	1.00	200	TC	500	CT6-1.0-30-TC-500/CDE
E	1.591	100	TC	40	CT6-1.591-100-TC-40/CDE
E/H	1.591	200	TC	40	CT6-1.591-200-TC-40/CDE
F	0.635	100	TC	40	CT6-.635-100-TC-40/CDE
FC	0.500	100	TC	40	CT6-0.5-100-TC-40/CDE
G	0.635	100	TC	100	CT6-.635-100-TC-100/CDE
GC	0.500	100	TC	100	CT6-0.5-100-TC-100/CDE
H	0.635	100	TC	200	CT6-.635-100-TC-200/CDE
HC	0.500	100	TC	200	CT6-0.5-100-TC-200/CDE



CDE probes have a black nosepiece which distinguishes them from the KLA/Tencor – Prometrix probes. The two probe styles are NOT interchangeable between the two systems)

Probe model numbers or part numbers used when the probes are sold by the respective OEM's will not match with those shown here. However, the probe types such as "A", "B", "C" will match specifications with the same letter designation assigned by the OEM.