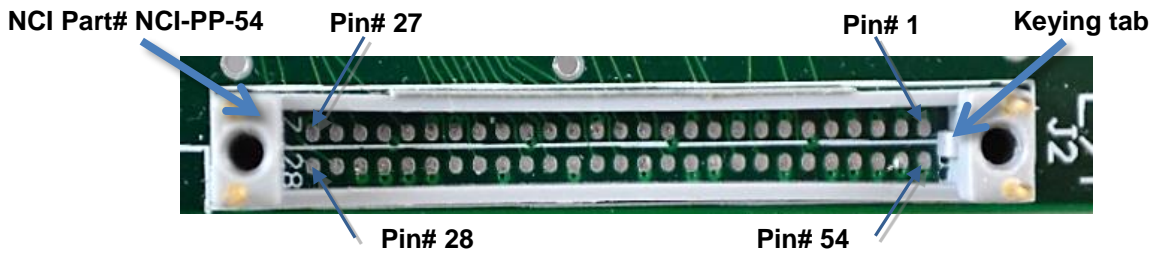


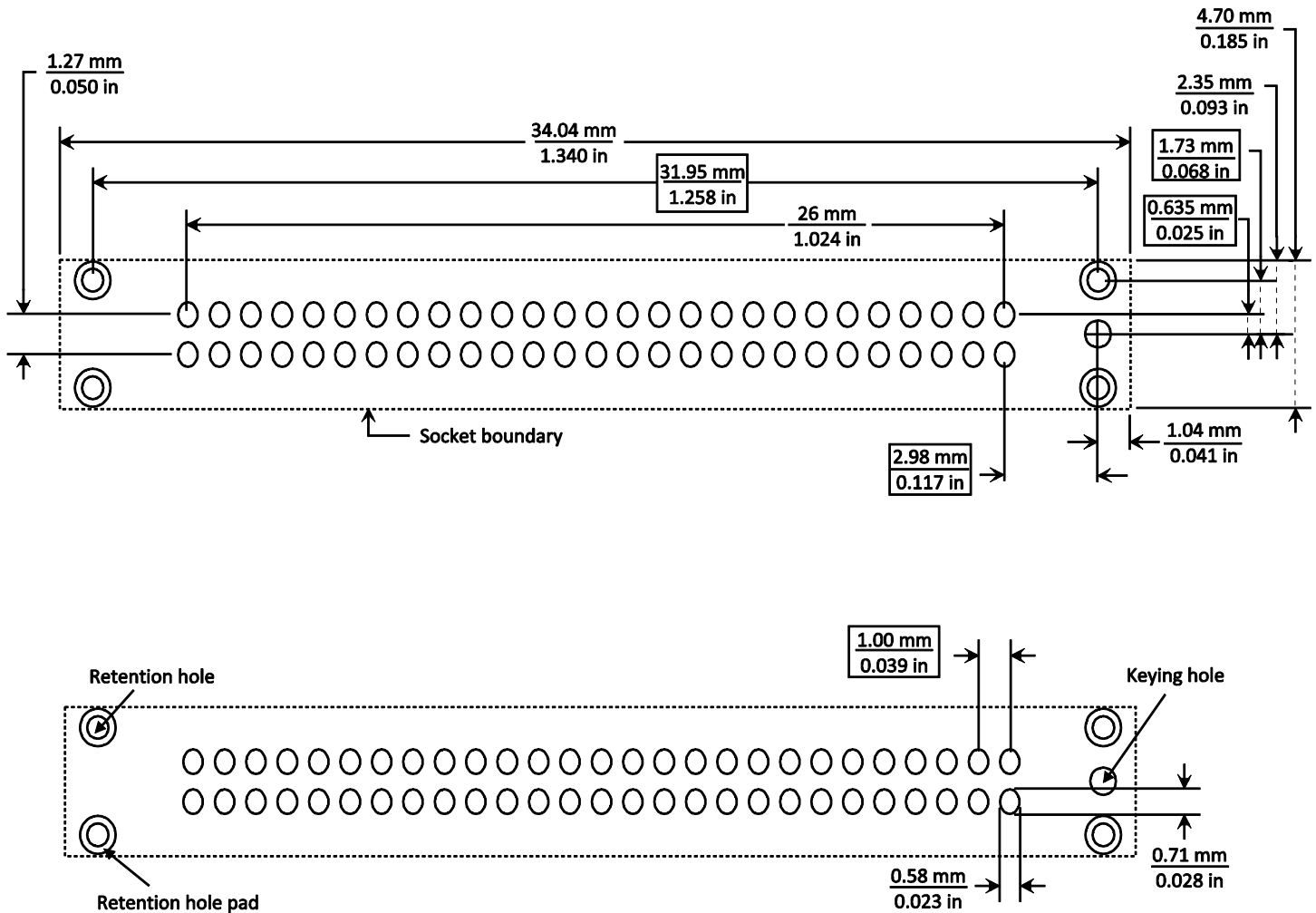
## NCI PinPoint™ Socket Layout



Pin	NCI Chan	Agilent Chan	Pin	NCI Chan	Agilent Chan
1	A00	D0	54	GND	GND
2	A01	D1	53	A02	D2
3	GND	GND	52	A03	D3
4	A04	D4	51	GND	GND
5	A05	D5	50	A06	D6
6	GND	GND	49	A07	D7
7	A16	LCLK	48	GND	GND
8	A17	GND/NC	47	A08	D8
9	GND	GND	46	A09	D9
10	A10	D10	45	GND	GND
11	A11	D11	44	A12	D12
12	GND	GND	43	A13	D13
13	A14	D14	42	GND	GND
14	A15	D15	41	B00	D0
15	GND	GND	40	B01	D1
16	B02	D2	39	GND	GND
17	B03	D3	38	B04	D4
18	GND	GND	37	B05	D5
19	B06	D6	36	GND	GND
20	B07	D7	35	B16	HCLK
21	GND	GND	34	B17	GND/NC
22	B08	D8	33	GND	GND
23	B09	D9	32	B10	D10
24	GND	GND	31	B11	D11
25	B12	D12	30	GND	GND
26	B13	D13	29	B14	D14
27	GND	GND	28	B15	D15

When the probe is connected to the NCI C/D pod input: Pod C = Pod A, Pod D = Pod B.

## NCI PinPoint™ PCB layout



**Socket boundary:** Keep other layout elements outside the socket boundary dimensions.

**Pads:** 0.58mm (0.023 in) wide x 0.71mm (0.028) ovals. Surface finish should be HASL immersion silver or gold over nickel. A trace between pads must maintain a solder mask web. Solder masks must not fall within each pad's boundary.

**Keying hole:** 0.84mm (0.033 in),  $\pm 0.03$ mm (0.001 in) tolerance. This hole receives the keying pin on the bottom of the socket module. The keying pin on the socket bottom is on the same end as the "keying tab" mentioned above which is visible once the socket is installed.

**Retention holes:** 0.71 mm (0.028 in) plated,  $\pm 0.03$ mm (0.001 in) tolerance.

**Retention hole pads:** 0.51 mm (0.020 in) wide,  $\pm 0.08$ mm (0.003 in) tolerance. Do not tie to ground plane. Socket module pins are soldered from the top to these pads.

**Equivalent:** Agilent® retention module kit E5403A.