IC299 Series (Test Contactor) HF Socket / Handler (Y Shaped SMT Contacts)

Specifications

Insulation Resistance:	1,000MΩ min. at 500V DC
Dielectric Withstanding Voltage:	500V AC for 1 minute
Contact Resistance:	30mΩ max. at 10m /20mV max.
Operating Temperature Range:	−20°C to +125°C
Contact Force:	10g to 100g per pin within contact travel distance from 0.2 to 0.5mm
Contact Inductance:	2nH max.
Mating Cycles:	10,000 insertions min.

Materials and Finish

Housing: PES / PEI (glass-filled)
Contacts: Beryllium Copper (BeCu)
Plating: Gold over Nickel

Part Number (Details)

IC299   - 016 77 (.AC*****)

Series No.

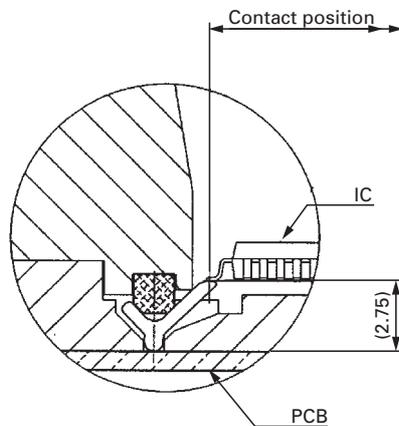No. of Contact Pins

Design Number

Custom Design Number

Series Description

The IC299 Test Contactor Series is ideal for automated and manual testing of SOP, SSOP, TSOP and QFP packages in any conceivable pitch size.

For your specific device testing application, every IC299 Test Contactor can be designed and manufactured with or without a cover, or as a Clamshell Socket (see outline dimensions).

The IC299 Series is for the testing of high frequency SOP and QFP devices up to 10GHz. The IC299 contactors pick up gullwing shaped leads on specially designed Y-shaped contacts, which allow an inductance of less than 2nH.

Contact Details

PCB and Pad Layout

Top View from Socket
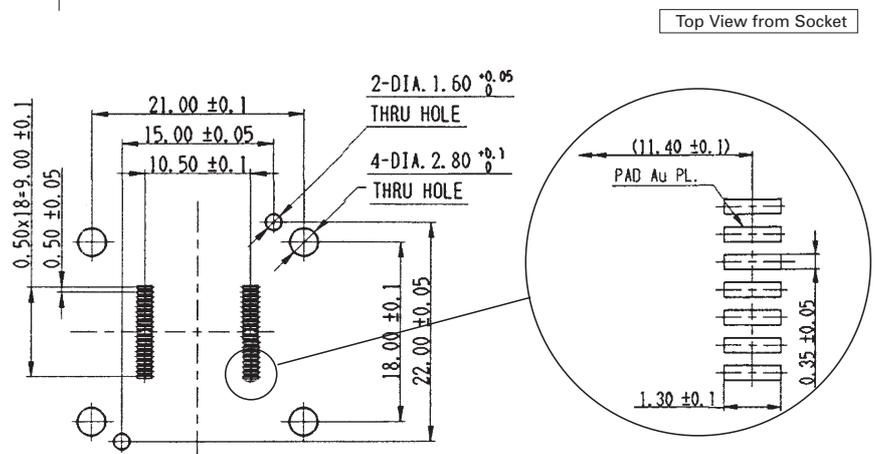
Ordering Procedure
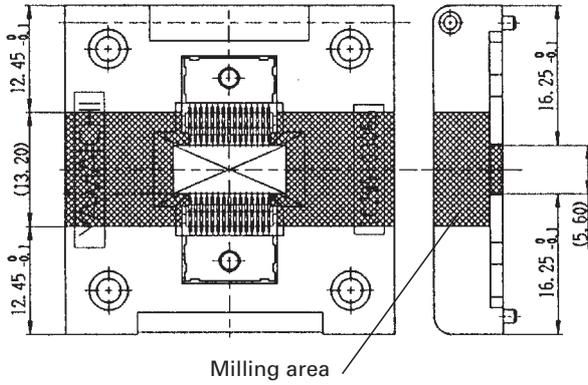
Note: Each Test Contactor Socket is custom built.

The customer must specify the number of contact pins, required pitch, all device parameters and any other special requirements.
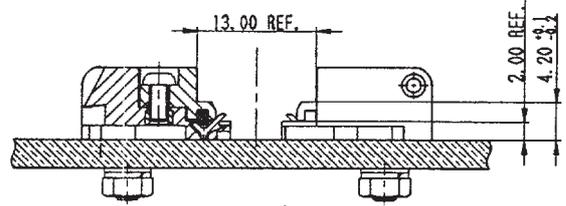
The final part number will be determined by Yamaichi.

Available Package Types :	SOP, SSOP, TSOP and QFP
Pin Count:	Any pin count from 8 to 304 pins is possible
Available Pitch Sizes:	0.50, 0.65, 0.80 and 1.27mm

SPECIFICATIONS ARE SUBJECT TO ALTERATION WITHOUT PRIOR NOTICE – DIMENSIONS IN MILLIMETER   YAMAICHI ELECTRONICS

Various Examples of SOP and QFP Types

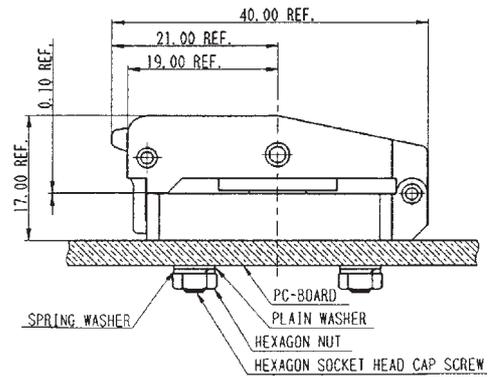### SOP Socket Base (cover optional)

Milling area

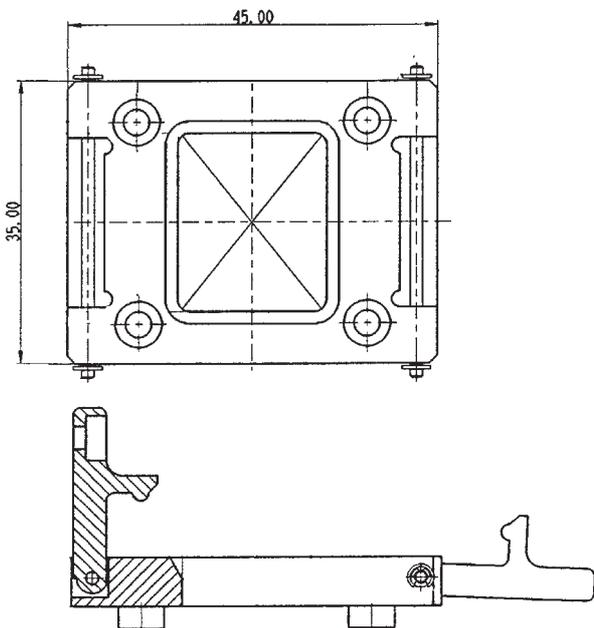### SOP Socket Base - Mounting Figure

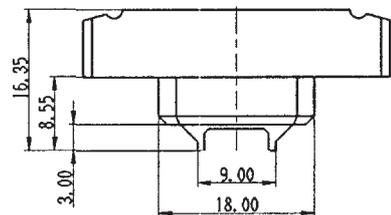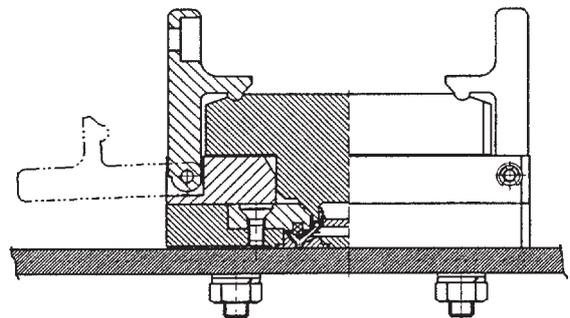### SOP Clamshell Outline
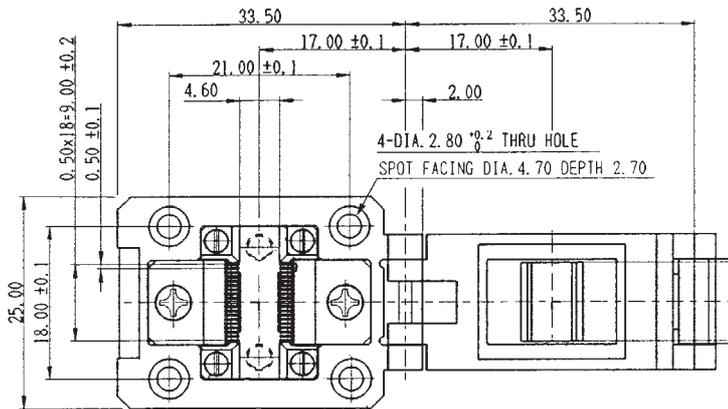
SOP Clamshell - Mounting Figure

QFP Socket Base (cover optional)

QFP Socket Base - Mounting Figure

Cover Option