

Specifications

Insulation Resistance: 1,000M Ω min. at 500V DC
 Dielectric Withstanding Voltage: 700V AC for 1 minute
 Contact Resistance: 30m Ω max. at 10mA/20mV max.
 Operating Temperature Range: -40°C to +150°C (type PSF)
 -55°C to +170°C (type PES & PEI)
 Mating Cycles: 10,000 insertions min.

Materials and Finish

Housing: Polysulphone (PSF), glass-filled
 Polyethersulphone (PES), glass- filled
 Polyetherimide (PEI), glass-filled
 Contacts: Beryllium Copper (BeCu)
 Plating: Gold over Nickel

Part Number (Details)

IC51 - 028 2 - 986 - MF

Series No.

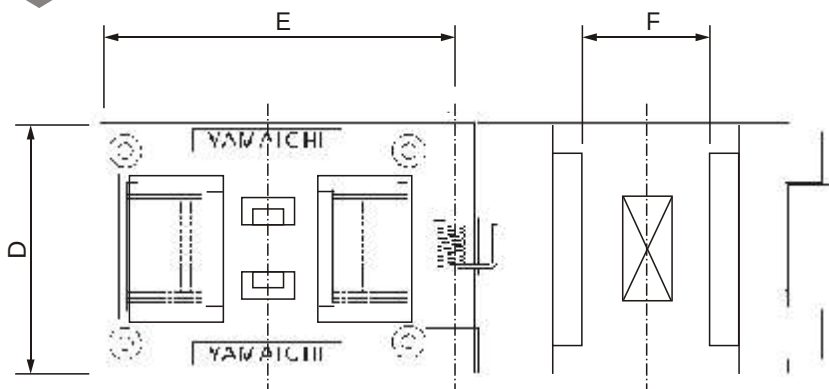
No. of Contact Pins

No. of Sides with Contacts

Design Number

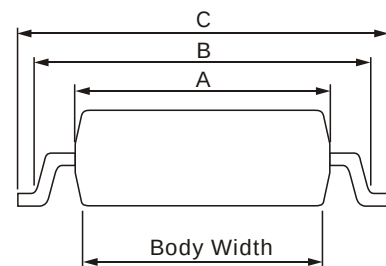
MF= Flanged
 Unmarked = Not Flanged

Typical Example of a SOP Socket
 (for individual PCB-Layouts refer to dimension tables)



Outline IC Dimensions

A = Body width (max.)
 B = Also the lid size for IC
 C = Tip-to-Tip
 F = Lid size from Socket



Note:

Sockets with (S) "Separator" can accept and properly align lower pin count devices.

Sockets with (FB) "Floating Base" will only accept devices with the same pin count as the socket.

SOP Clamshell

Part Number	Pin Count	Pitch (mm)	Matching IC Dim.				Note	Socket Dimensions		
			Body Width	A(max)	B(max)	C(nom.)		D	E	F
IC51-0262-1339	26	1.27	7.6	7.6	8.4	9.2	FB	23.0	35.5	8.4
IC51-0282-334-1	28	1.27	7.5	7.6	9.4	10.3	S	22.0	32.5	9.4
IC51-0282-986	28	1.27	7.6	7.6	9.6	10.3	FB	23.0	35.5	9.6
IC51-0282-474	28	1.27	8.4	8.45	11.1	12.0	S	22.0	32.5	11.1
IC51-0302-904	30	1.27	7.8	7.8	9.2	10.3	S	24.0	32.5	9.2
IC51-0302-371-2	30	1.27	8.0	8.0	9.2	10.3	S	24.0	32.5	9.2
IC51-0322-304-2	32	1.27	8.4	8.45	11.0	12.0	S	24.0	32.5	11.0
IC51-0322-937	32	1.27	8.8	8.9	10.9	12.0	S	26.0	31.5	10.9
IC51-0322-948	32	1.00	8.2	8.4	10.5	11.8	S	20.0	32.0	10.5
IC51-0322-950	32	1.27	11.3	11.3	13.0	15.0	FB	28.0	42.5	13.0
IC51-0322-667	32	1.27	11.6	11.6	13.1	14.0	S	26.0	33.0	13.2
IC51-0322-667-2	32	1.27	11.6	11.6	13.1	14.0	S	26.0	33.0	13.2

IC51 - Clamshell

Small Outline Package (SOP)

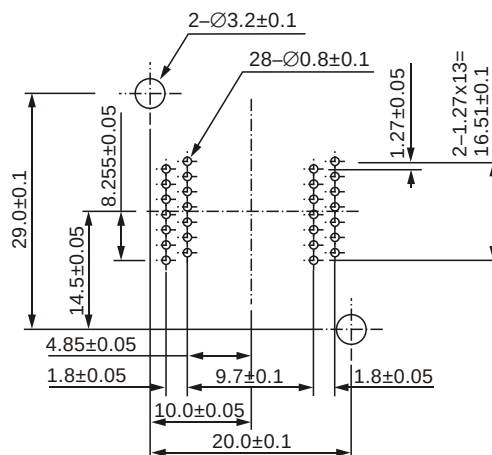


Recommended PCB Layouts (26 to 30 pins)



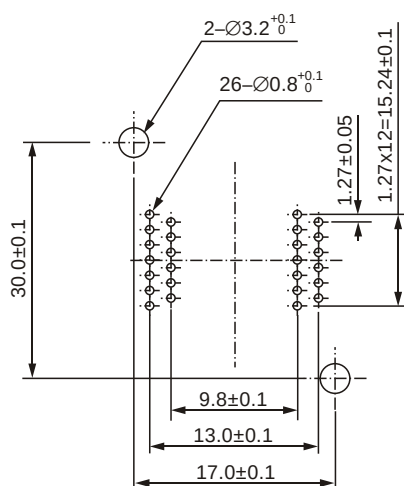
28 pins (SOP)

IC51-0282-334-1



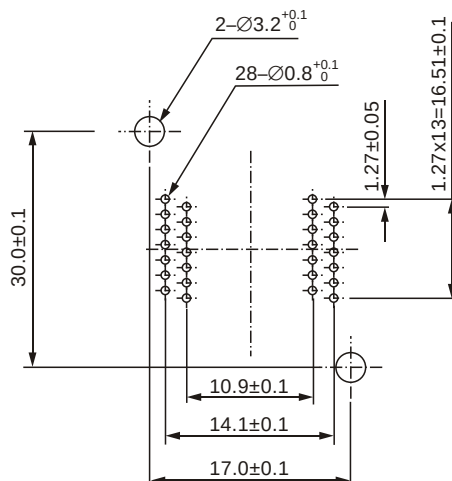
26 pins (SOP)

IC51-0262-1339



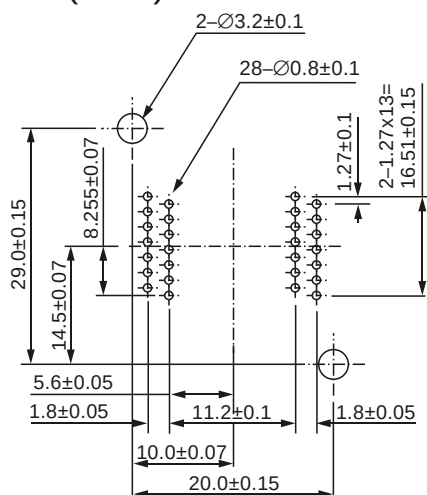
28 pins (SOP)

IC51-0282-986



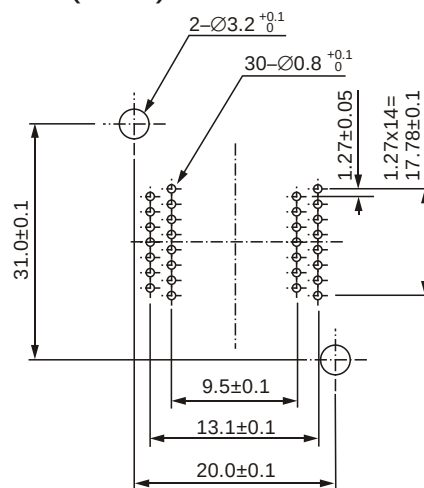
28 pins (SOP)

IC51-0282-474



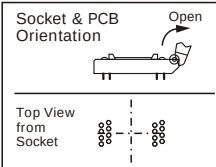
30 pins (SOP)

IC51-0302-904



IC51 - Clamshell

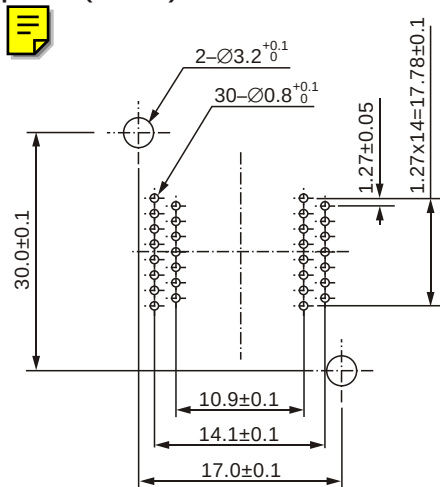
Small Outline Package (SOP)



Recommended PCB Layouts (30 to 32 pins)

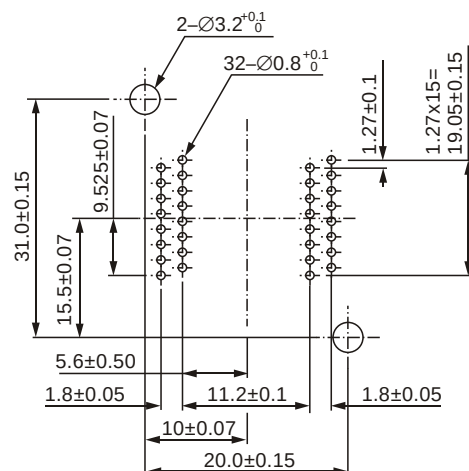
30 pins (SOP)

IC51-0302-1017



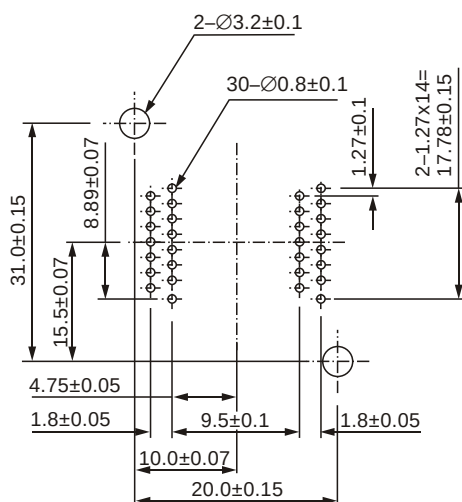
32 pins (SOP)

IC51-0322-304-2



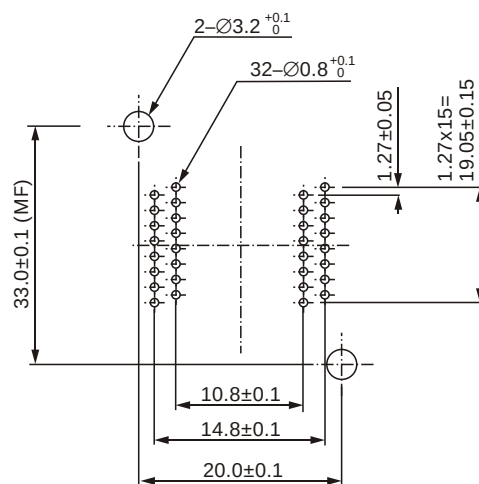
30 pins (SOP)

IC51-0302-371-2



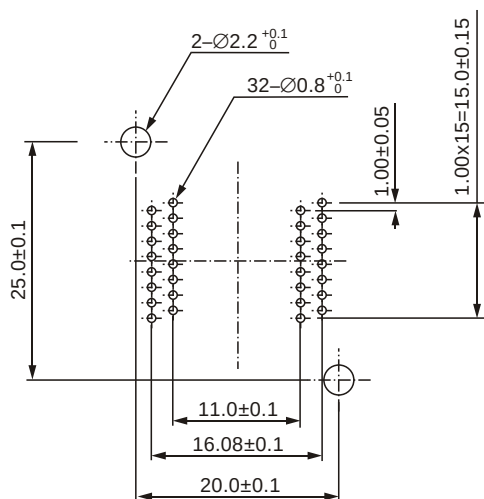
32 pins (SOP)

IC51-0322-937



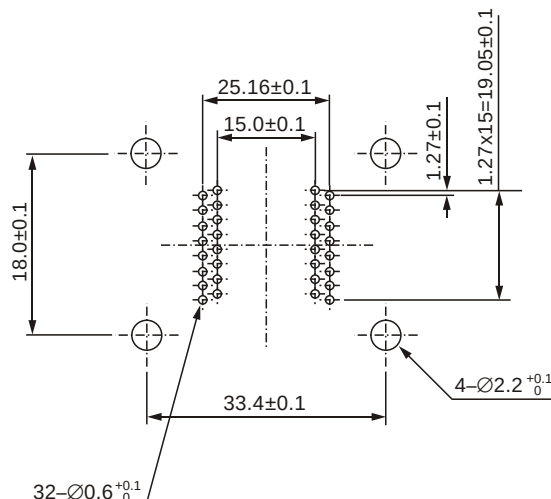
32 pins (SOP)

IC51-0322-948



32 pins (SOP)

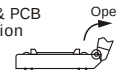
IC51-0322-950



IC51 - Clamshell

Small Outline Package (SOP)

Socket & PCB
Orientation



Top View
from
Socket



Recommended PCB Layouts (32 pins)

32 pins (SOP)

IC51-0322-667
IC51-0322-667-2

