

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 - 020 2 - 347 - MF

Series No.

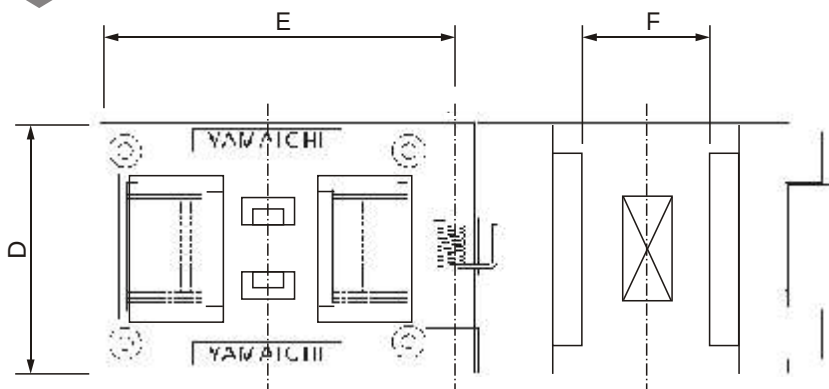
No. of Contact Pins

No. of Sides with Contacts

Design Number

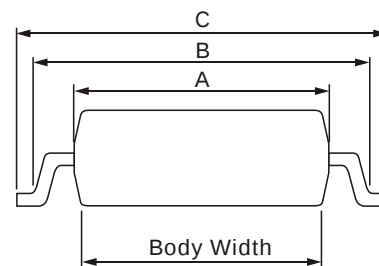
MF= Flanged
 Unmarked = Not Flanged

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.

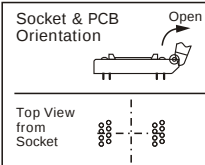
Sockets with (FB) "Floating Base" will only accept devices with the same pin count as the socket.

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
IC51-0202-714	20	1.27	7.6	7.6	9.3	10.3	FB	18.0	32.0	9.3
IC51-0202-347	20	1.27	7.7	7.7	9.5	10.3	S	16.0	31.5	9.53
IC51-0202-932-1	20	1.27	5.4	5.5	6.5	7.2	S	15.5	26.0	7.2
IC51-0202-1026	20	1.27	5.2	5.25	7.2	7.9	FB	18.5	32.5	7.2
IC51-0222-803	22	1.27	5.5	5.5	6.0	6.6	S	16.5	29.0	6.6
IC51-0242-308	24	0.80	5.4	5.4	6.2	7.2	FB	32.0	38.9	7.2
IC51-0242-577	24	0.80	7.8	7.85	9.3	10.0	S	22.0	32.5	9.3
IC51-0242-310-1	24	1.00	4.5	4.55	5.2	6.0	S	18.0	28.5	5.2
IC51-0242-303-1	24	1.27	5.3	5.35	7.3	8.0	S	18.0	28.5	7.3
IC51-0242-303-3	24	1.27	5.35	5.4	6.0	7.0	S	18.0	30.5	7.00
IC51-334-1.KS-6411	24	1.27	7.5	7.6	9.4	10.3	S	22.0	32.5	9.4
IC51-0242-793	24	1.27	5.5	5.5	7.1	8.0	S	18.5	29.0	7.15
IC51-0242-367-1	24	1.27	9.4	9.4	10.43	11.2	S	18.0	32.5	10.43
IC51-0242-980	24	1.27	5.2	5.25	7.2	7.9	FB	18.5	32.5	7.2

IC51 - Clamshell

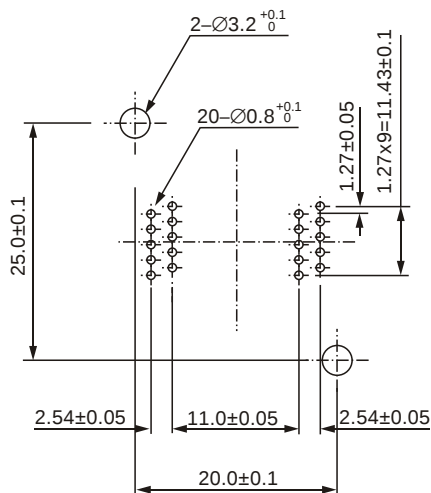
Small Outline Package (SOP)



Recommended PCB Layouts (20 to 24 pins)

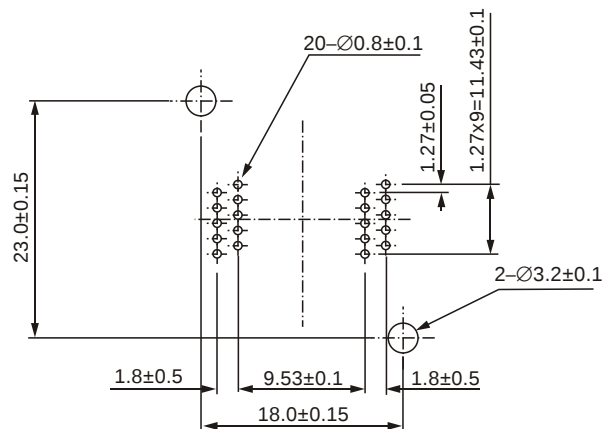
20 pins (SOP)

IC51-0202-714



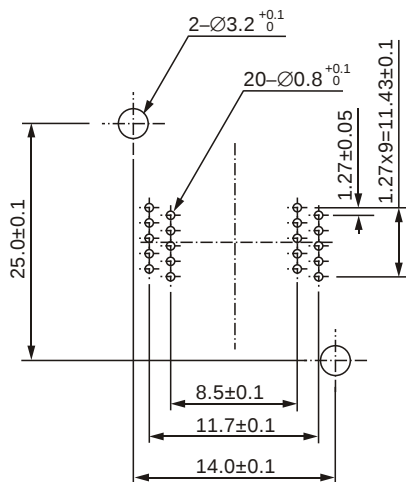
20 pins (SOP)

IC51-0202-347



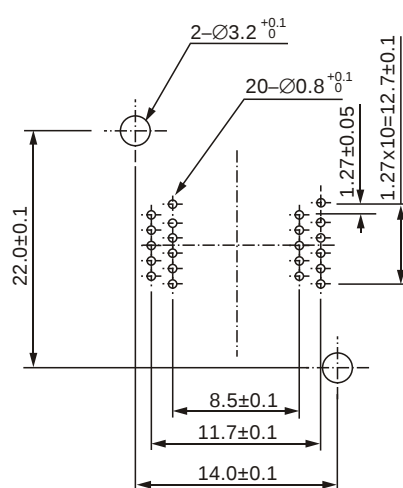
20 pins (SOP)

IC51-0202-1026



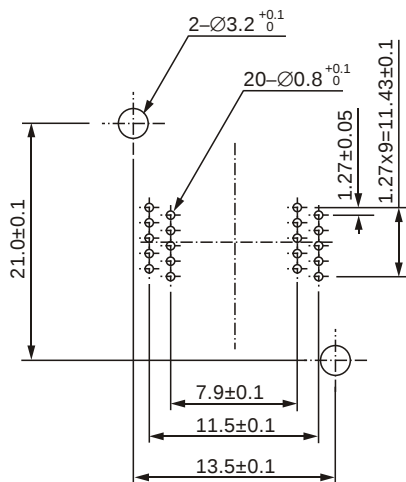
22 pins (SOP)

IC51-0222-803



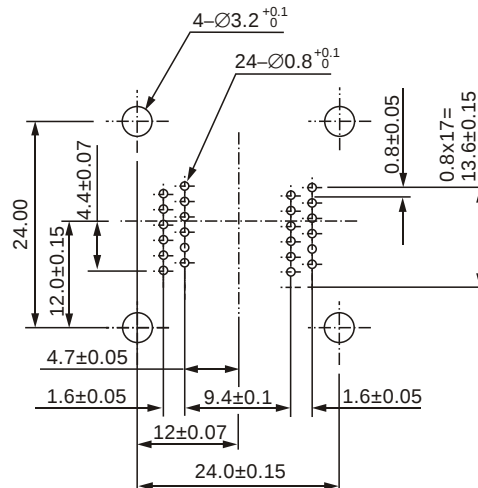
20 pins (SOP)

IC51-0202-932-1



24 pins (SOP)

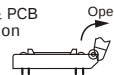
IC51-0242-308



IC51 - Clamshell

Small Outline Package (SOP)

Socket & PCB Orientation



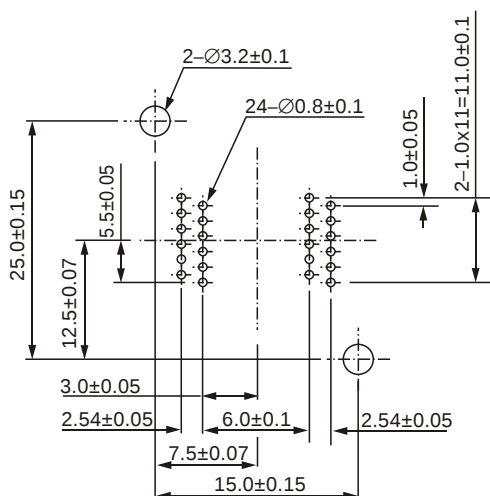
Top View from Socket



Recommended PCB Layouts (14 to 16 pins)

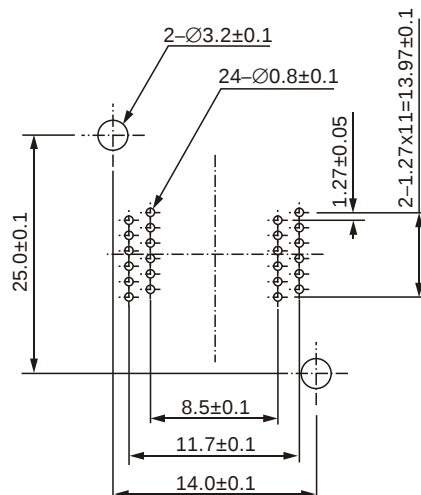
24 pins (SOP)

IC51-0242-310-1



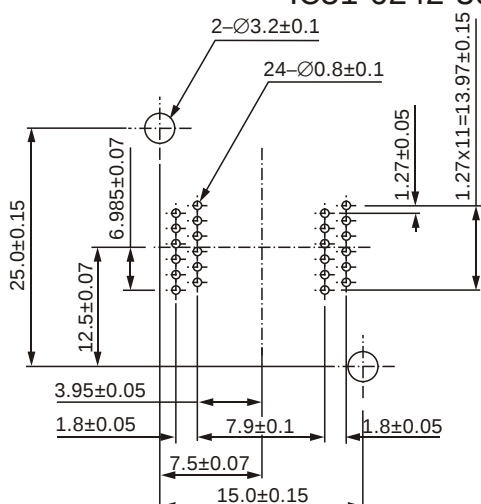
24 pins (SOP)

IC51-0242-793



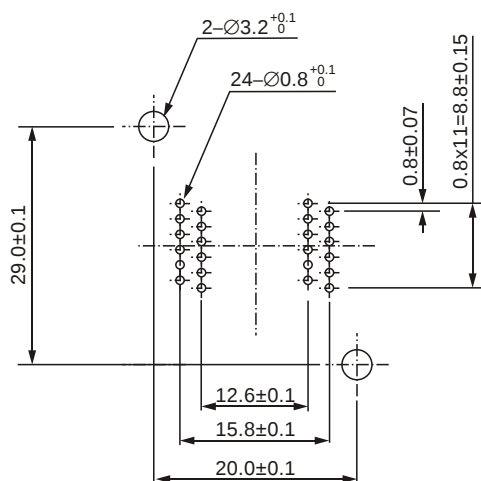
24 pins (SOP)

IC51-0242-303-1
IC51-0242-303-3



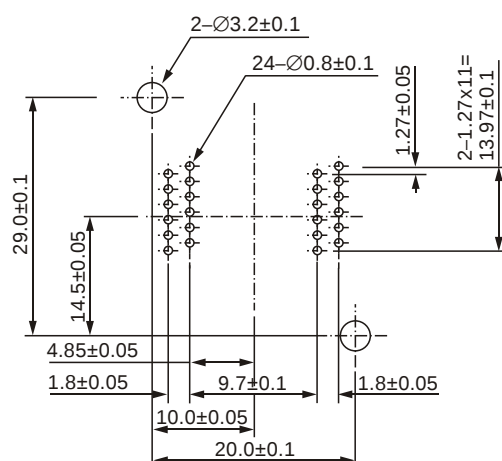
24 pins (SOP)

IC51-0242-577



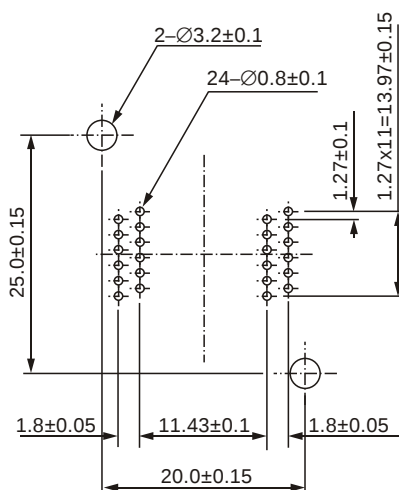
24 pins (SOP)

IC51-334-1.KS6411



24 pins (SOP)

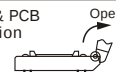
IC51-0242-367-1



IC51 - Clamshell

Small Outline Package (SOP)

Socket & PCB
Orientation



Top View
from
Socket



Recommended PCB Layouts (24 pins)

24 pins (SOP)

IC51-0242-980

