

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)

IC51-0402-708

IC51 - 040 2 - 708 - MF

Series No.

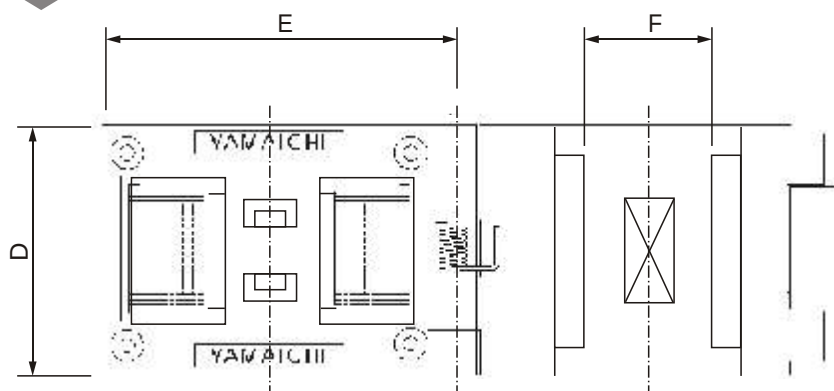
No. of Contact Pins

No. of Sides with Contacts

Design Number

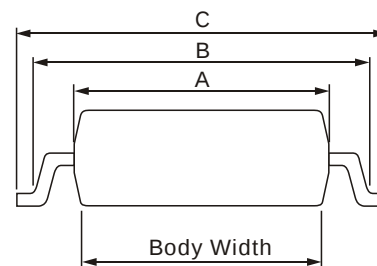
MF= Flanged
 Unmarked = Not Flanged

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.

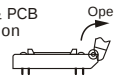
SOP Clamshell

Part Number	Pin Count	Pitch (mm)	Matching IC Dim.				Note	Socket Dimensions		
			Body Width	A(max)	B(max)	C(nom.)		D	E	F
IC51-0342-741	34	1.00	7.8	7.8	7.9	9.4	S	22.0	35.0	7.8
IC51-0362-309	36	0.80	8.4	8.5	11.0	12.1	FB	32.0	38.9	11.0
IC51-0402-708	40	0.80	8.8	8.8	10.6	12.4	S	19.0	32.5	10.6
IC51-0402-1197	40	1.27	10.9	10.9	12.9	13.7	S	20.0	52.0	12.9
IC51-0402-991	40	1.27	11.6	11.6	13.0	14.0	S	30.0	34.5	13.0
IC51-0422-393	42	0.80	8.4	8.5	11.0	12.1	FB	32.0	38.0	11.0
IC51-0442-1208	44	1.27	12.8	12.8	14.7	15.6	S	22.0	55.0	14.7
IC51-0442-1315	44	1.27	13.0	13.0	15.0	15.8	FB	33.0	40.5	15.0
IC51-0442-1536	44	1.27	13.4	13.6	14.7	15.6	S	22.0	55.0	14.7
IC51-0482-1009-2	48	0.80	13.7	13.7	15.1	16.0	FB	28.0	42.5	15.1
IC51-0562-2144	56	0.80	13.3	13.3	15.15	16.0	S	22.0	48.5	15.15

IC51 - Clamshell

Small Outline Package (SOP)

Socket & PCB Orientation



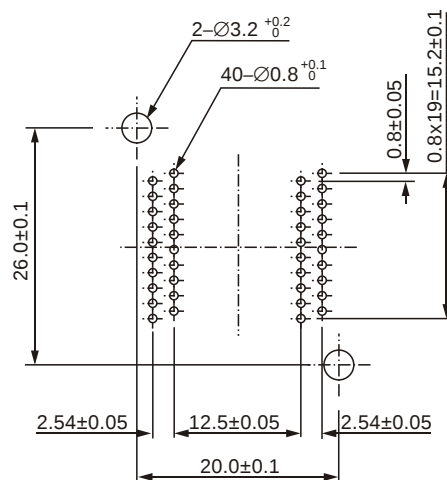
Top View from Socket



Recommended PCB Layouts (34 to 40 pins)

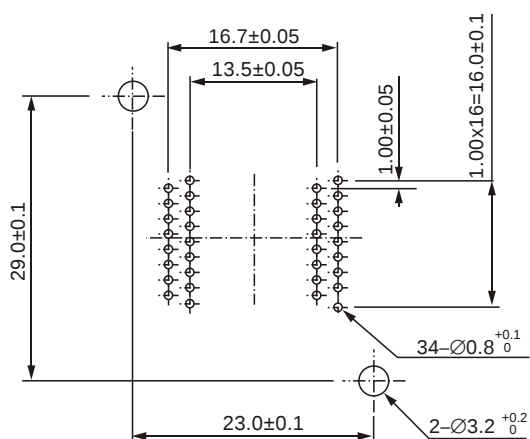
40 pins (SOP)

IC51-0402-708



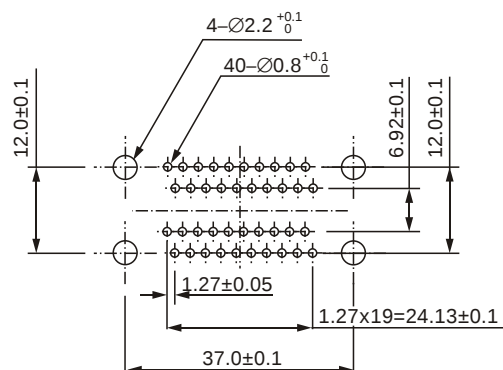
34 pins (SOP)

IC51-0342-741



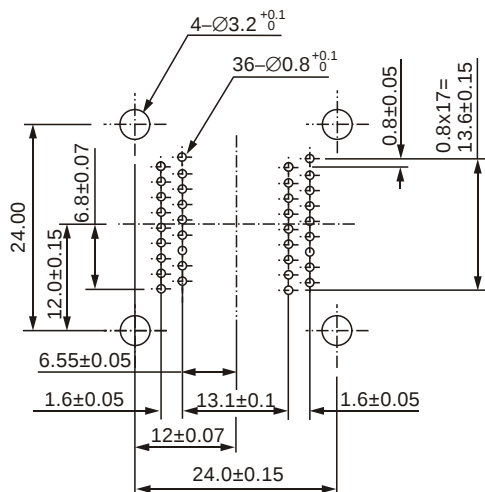
40 pins (SOP)

IC51-0402-1197



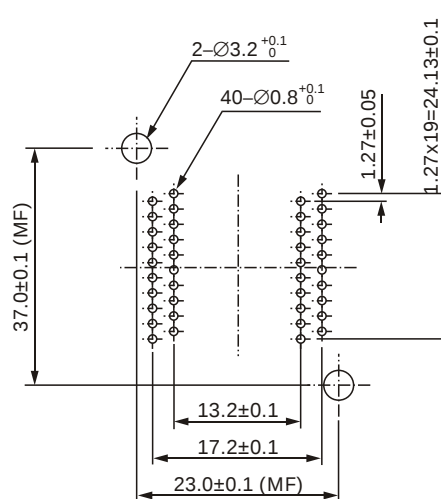
36 pins (SOP)

IC51-0362-309



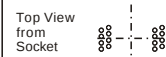
40 pins (SOP)

IC51-0402-991



IC51 - Clamshell

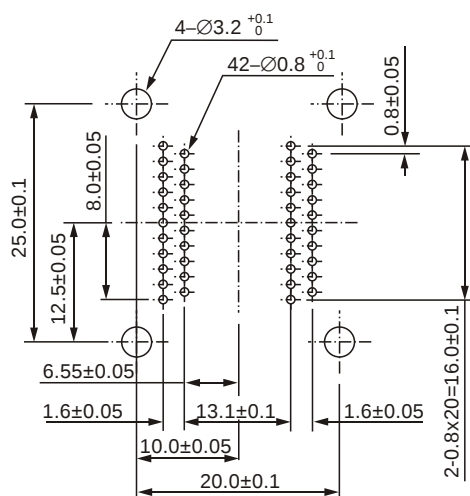
Small Outline Package (SOP)



Recommended PCB Layouts (42 to 56 pins)

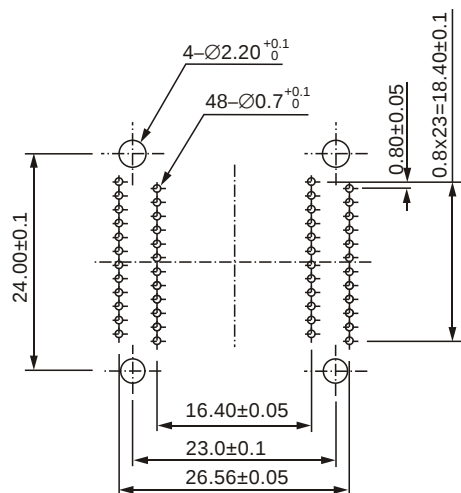
42 pins (SOP)

IC51-0422-393



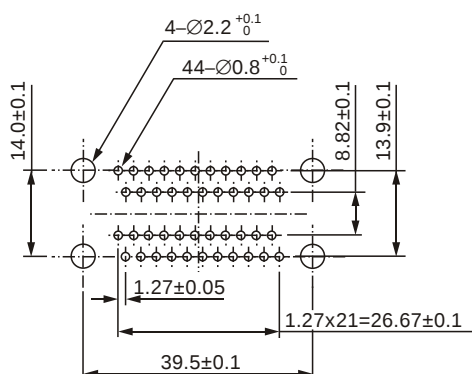
48 pins (SOP)

IC51-0482-1009-2



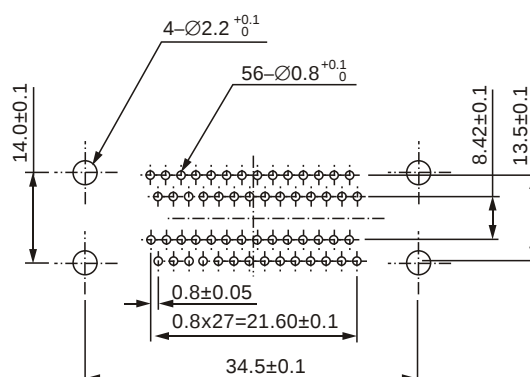
44 pins (SOP)

IC51-0442-1208
IC51-0442-1536



56 pins (SOP)

IC51-0562-2144



44 pins (SOP)

IC51-0442-1315

