

Specifications

Insulation Resistance: 1,000M Ω min. at 100V DC, pitch 0.5
1,000M Ω min. at 500V DC, pitch 0.65, 0.8, 1.27

Dielec. Withstd. Voltage: for 1 minute at 100 V AC, pitch 0.5
for 1 minute at 500 V AC, pitch 0.65
for 1 minute at 700 V AC, pitch 0.8, 1.27

Contact Resistance: 30m Ω max. at 10mA/20mV max.

Operating Temp. Range: -40°C to +150°C

Contact Force: 20g min. per pin at minimum displacement of 0.3mm
80g max. per pin at maximum displacement of 0.7mm

Materials and Finish

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

Features

⇨ Open Top low actuation force socket

Part Number (Details)

IC189 - 016 2 - 003 * - *

Series No.

No. of Contact Pins

Number of Sides with Contacts

Design Number

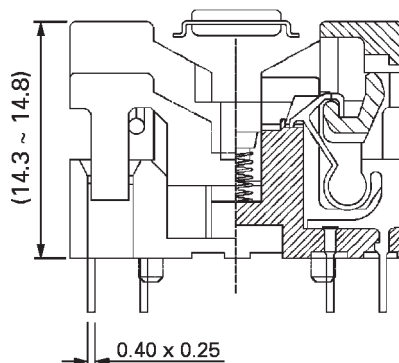
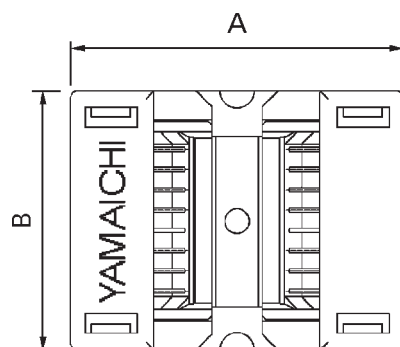
Positioning Pin:
N = Without Positioning Pin
P = With Positioning Pin

Protection Key*
K = With Protection Key
Unmarked = Without Protection Key

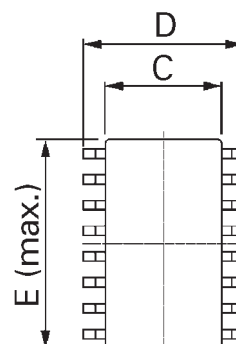
*Protection Key: Prevents IC from releasing during transportation

Applicable Dimensions (Reference Only)

Outline Socket Dimensions



Outline IC Dimensions



Part Number	Package	Pin Count	Pitch	Socket Dimensions		IC Dimensions		
				A	B	C	D	E (max.)
IC189-0162-003 *-*	SOP	16	1.27	20.9	16.1	5.3	7.8	10.35
IC189-0162-019 *-*	SOP	16	1.27	20.8	16.0	5.6	7.7	10.23
IC189-0202-038 *	SSOP	20	0.65	24.0	22.5	6.1	8.1	6.8
IC189-0202-017 *-*	SOP	20	1.27	24.0	22.5	5.6	7.7	12.73
IC189-0242-021 *-*	SOP	24	1.27	24.0	22.5	5.6	7.7	15.33
IC189-0242-040 *	SOP	24	1.27	24.0	22.5	7.15	10.3	15.50
IC189-0282-042 *	SOP	28	1.27	24.0	22.5	7.15	10.3	18.10
IC189-0322-004 *-*	SOP	32	1.27	27.2	26.54	11.4	14.1	21.15
IC189-0322-005 *-*	SOP	32	1.27	27.2	27.5	11.0	14.0	21.50
IC189-0362-089 *	TSOP II	36	1.27	24.9	29.8	10.16	11.76	23.99
IC189-0382-037 *	SSOP	38	0.65	24.0	22.5	6.1	8.1	12.50

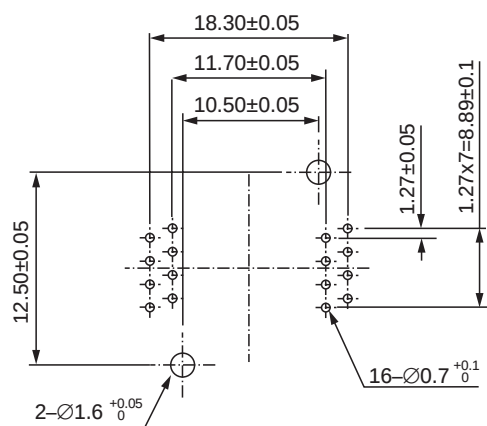
IC189 Series (Open Top)

SOP, SSOP, TSOP (Type I and II)

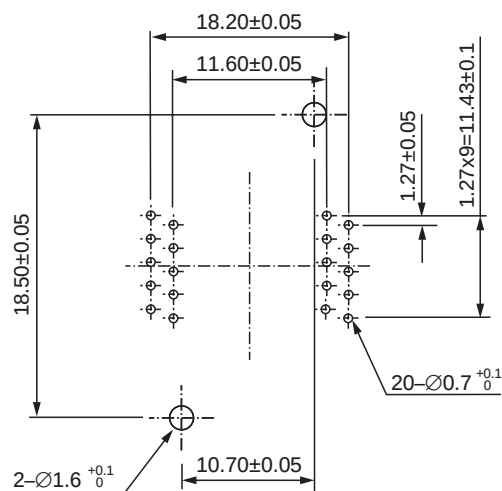
Recommended PCB Layouts (16 to 24 pins)

Top view from socket

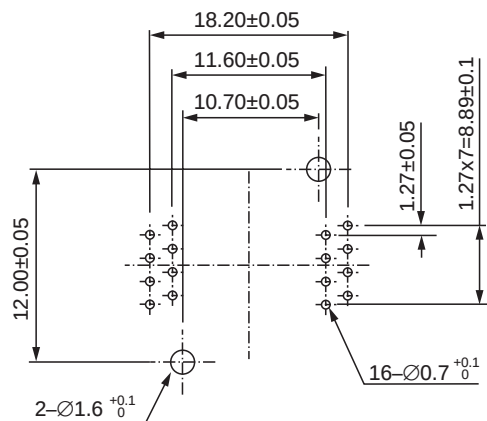
SOP IC189-0162-003 (16 Pins)



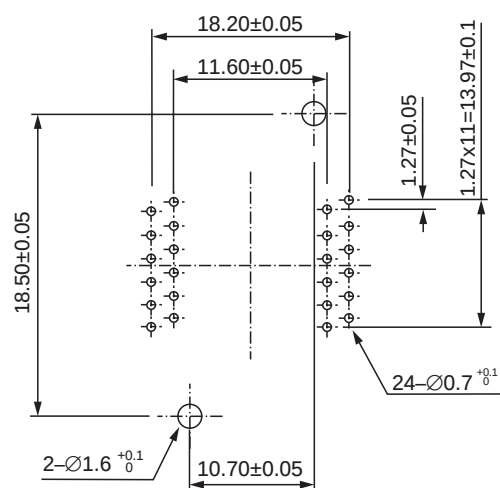
SOP IC189-0202-017 (20 Pins)



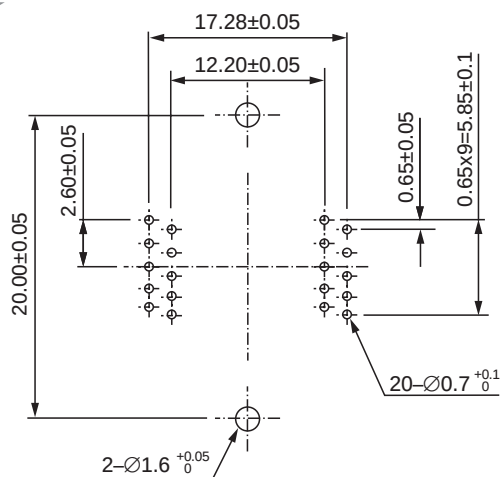
SOP IC189-0162-019 (16 Pins)



SOP IC189-0242-021 (24 Pins)



SSOP IC189-0202-038 (20 Pins)



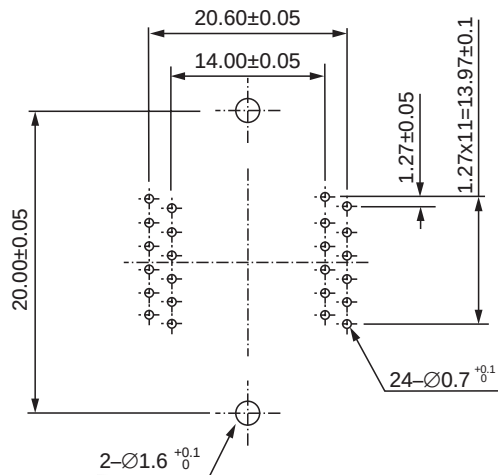
IC189 Series (Open Top)

SOP, SSOP, TSOP (Type I and II)

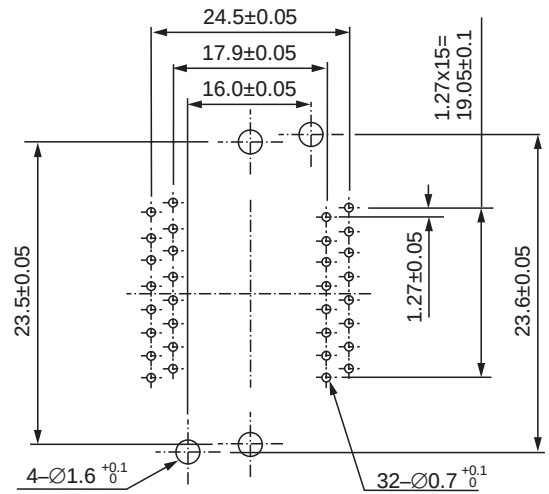
Recommended PCB Layouts (24 to 38 pins)

Top view from socket

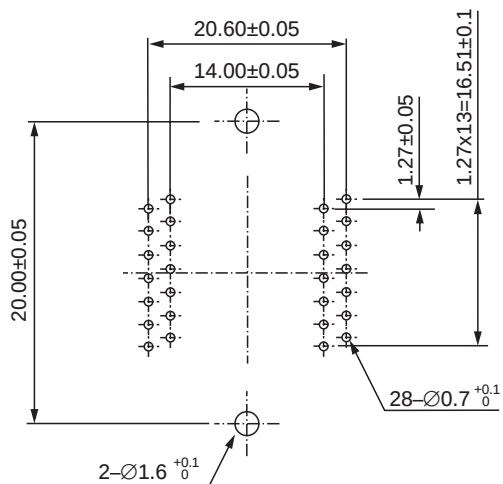
SOP IC189-0242-040 (24 Pins)



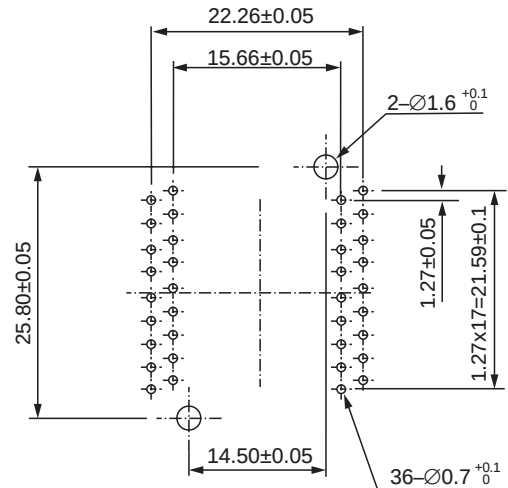
SOP IC189-0322-005 (32 Pins)



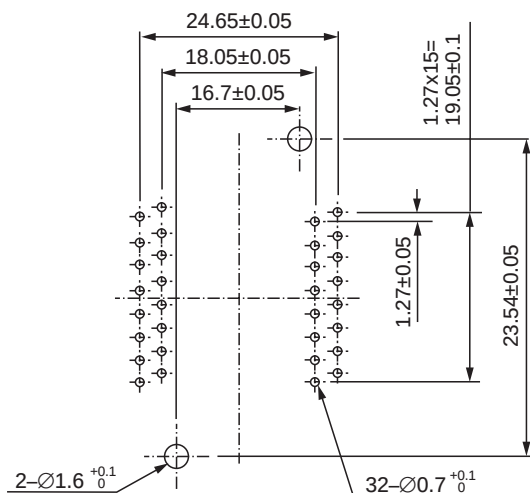
SOP IC189-0282-042 (28 Pins)



TSOP II IC189-0362-089 (36 Pins)



SOP IC189-0322-004 (32 Pins)



SSOP IC189-0382-037 (38 Pins)

