

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

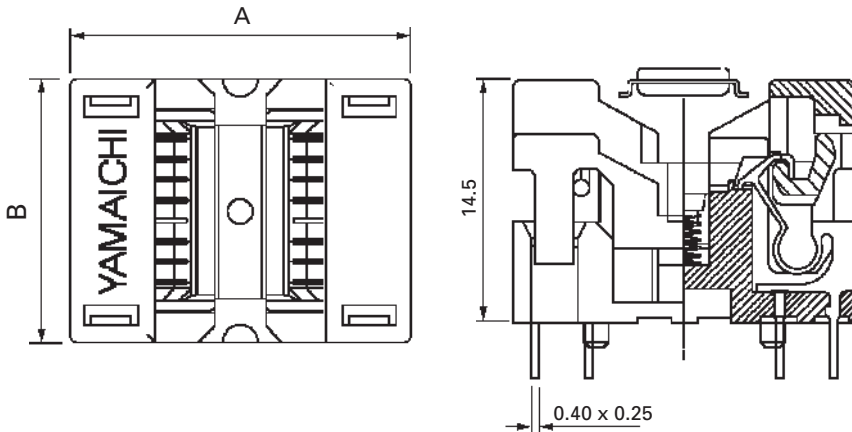
Housing: Polyetherimide (PEI), glass-filled
 Contacts: Beryllium Copper (BeCu)
 Plating: Gold over Nickel

Features

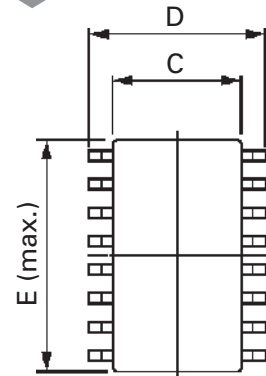
- Open Top low actuation force socket

Applicable Dimensions (Reference Only)

Outline Socket Dimensions



Outline IC Dimensions



Part Number (Details)

IC189 - 064 2 - 007 * - *

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

Part Number	Package	Pin Count	Pitch	Socket Dimensions		IC Dimensions		
				A	B	C	D	E (max.)
IC189-0642-007 *-*	SSOP	64	0.8	27.35	34.10	12.00	14.25	26.543
IC189-0642-028 *-*	SSOP	64	0.8	27.35	34.1	11.80	13.80	26.54
IC189-0642-041 *-*	SSOP	64	0.8	27.35	34.1	12.00	14.25	26.543
IC189-0642-069 *-*	SOP	64	0.8	27.05	33.80	10.70	14.10	26.50
IC189-0682-097 *	TSOP II	68	0.5	30.00	26.8	8.38	9.98	18.63
IC189-0702-074 *	SOP	70	0.80	29.30	37.00	12.64	15.90	28.90
IC189-0882-099 *	TSOP II	88	0.65	32.00	37.75	16.00	18.00	29.55

IC189 Series (Open Top)

SOP, SSOP, TSOP (Type I and II)

Recommended PCB Layouts (64 pins)

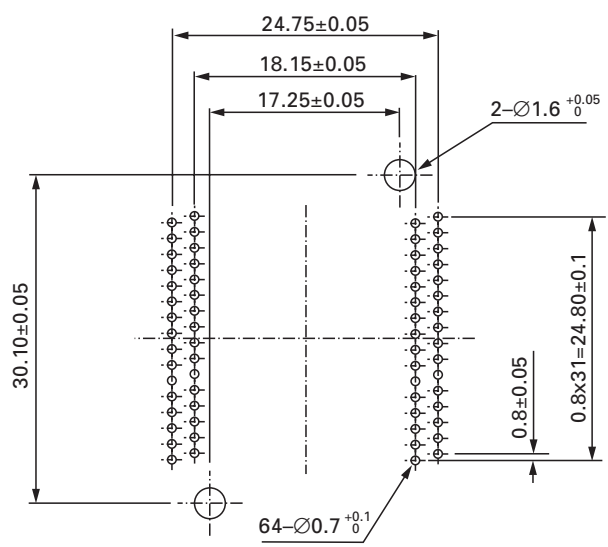
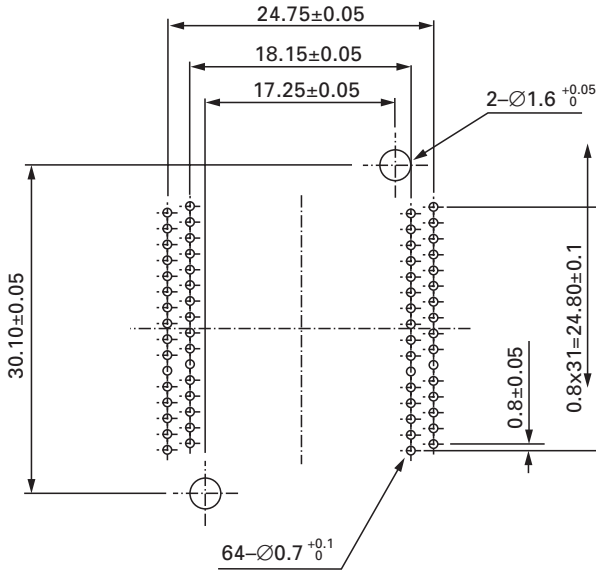
Top view from socket

64 pins (SSOP)

IC189-0642-007

64 pins (SSOP)

IC189-0642-028

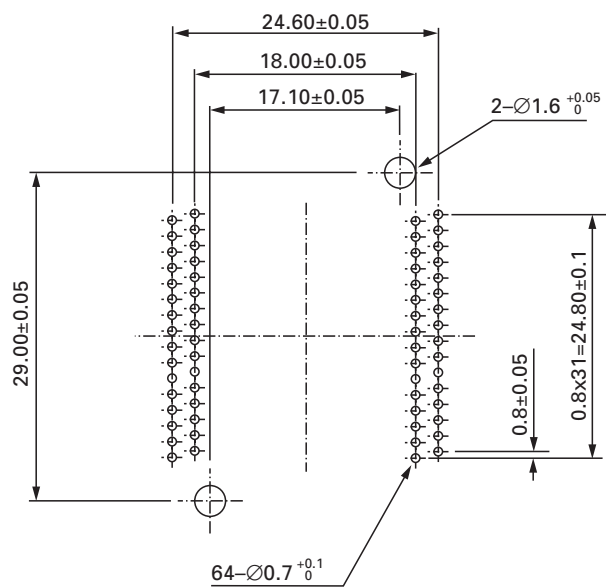
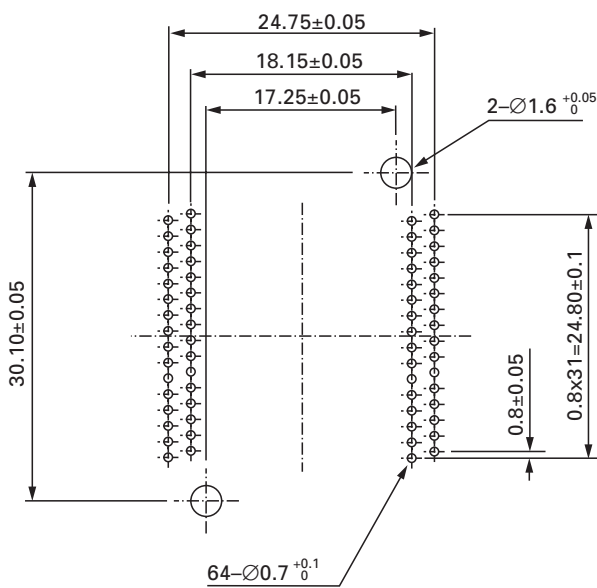


64 pins (SSOP)

IC189-0642-041

64 pins (SOP)

IC189-0642-069



IC189 Series (Open Top)

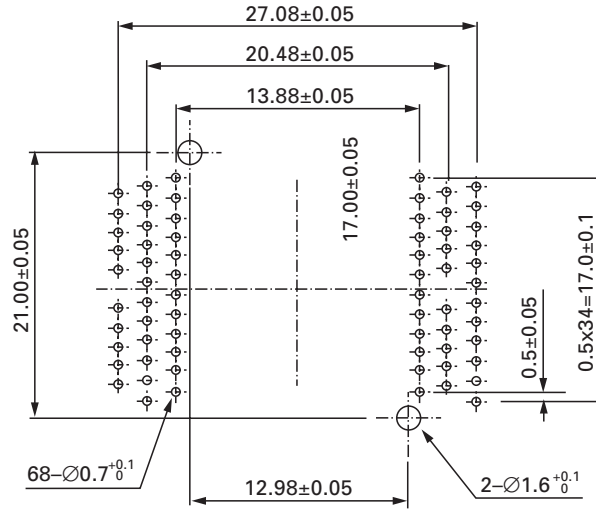
SOP, SSOP, TSOP (Type I and II)

Recommended PCB Layouts (68 to 88 pins)

Top view from socket

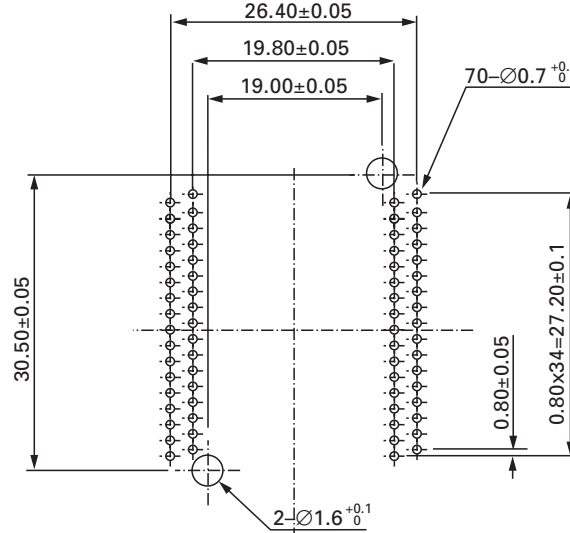
68 pins (TSOP II)

IC189-0682-097



70 pins (SOP)

IC189-0702-074



88 pins (TSOP II)

IC189-0882-099

