

IC235 Series (Open Top)

SOP, SSOP, TSOP (Type II)

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
Mating Cycles:	10,000 insertions min.
Contact Force:	30g 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, depopulation possible

Part Number (Details)

IC235 - 020 2 - 201 - *

Series No.

No. of Contact Pins

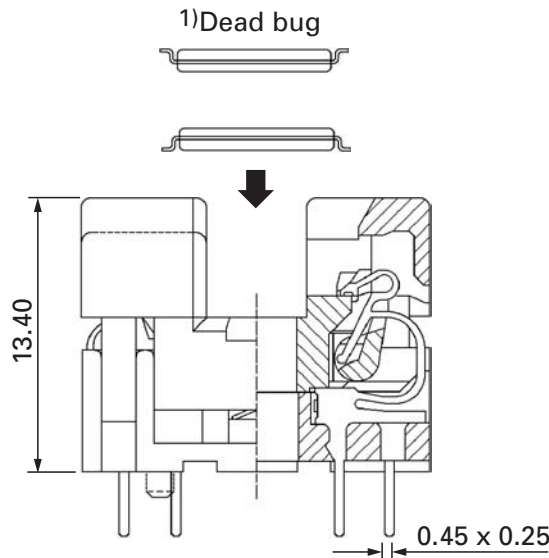
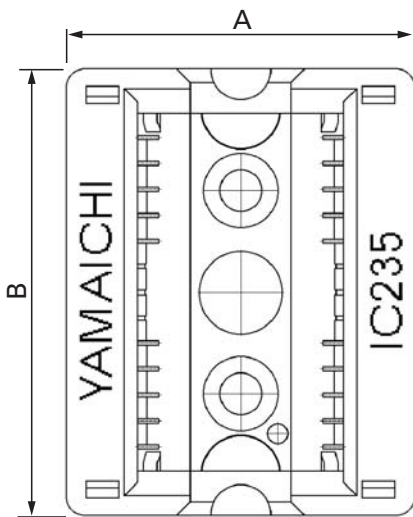
Number of Sides with Contacts

Design Number

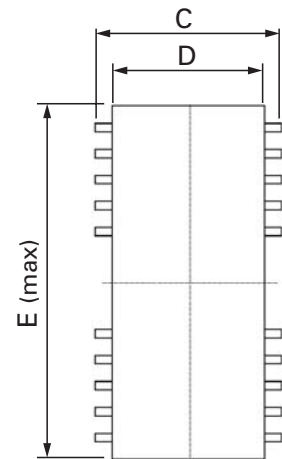
Positioning Pin:
 N = Without Positioning Pin
 P = With Positioning Pin



Outline Socket Dimensions



Outline IC Dimensions



1) Dead and Live bug loading

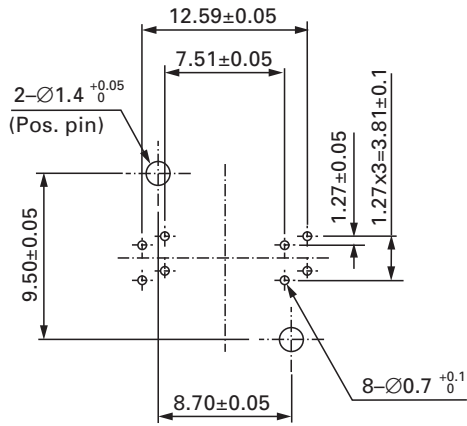
Part Number	Pin Count depopulated (**)	Pitch	Socket Dimensions		IC Dimensions			PCB Layouts
			A	B	C	D	E (max)	
IC235-0082-236-*	8 - SOP	1.27	16.8	12.0	8.60	7.00	7.10	B-43
IC235-0202-201-*	20 (26)	1.27	17.3	22.0	9.22	7.56	17.44	B-43
IC235-0242-202-*	24 (26)	1.27	17.3	22.0	9.22	7.56	17.44	B-43
IC235-0242-203-*	24 (28)	1.27	19.9	23.3	11.76	10.16	18.71	B-43
IC235-0262-206-*	26	1.27	17.3	22.0	9.22	7.56	17.44	B-43
IC235-0282-204-*	28	1.27	19.9	23.0	11.76	10.16	18.71	B-44
IC235-0322-232-*	32	1.27	20.2	26.4	11.76	10.16	21.25	B-44
IC235-0402-205-*	40 (44)	0.8	19.9	24.0	11.76	10.16	18.71	B-44
IC235-0442-207-*	44	0.8	19.9	24.0	11.76	10.16	18.71	B-44
IC235-0442-215-*	44 (50)	0.8	20.2	26.4	11.76	10.16	21.35	B-45
IC235-0502-209-*	50	0.8	20.2	26.4	11.76	10.16	21.35	B-45
IC235-0542-218-*	54	0.8	23.0	28.0	14.30	12.70	22.47	B-45
1) IC235-0542-218-*-2	54	0.8	23.0	28.0	14.30	12.70	22.47	B-45
IC235-0542-250-*	54	0.8	20.2	28.0	11.76	10.16	22.70	B-45s

Recommended PCB Layouts

Top View from Socket

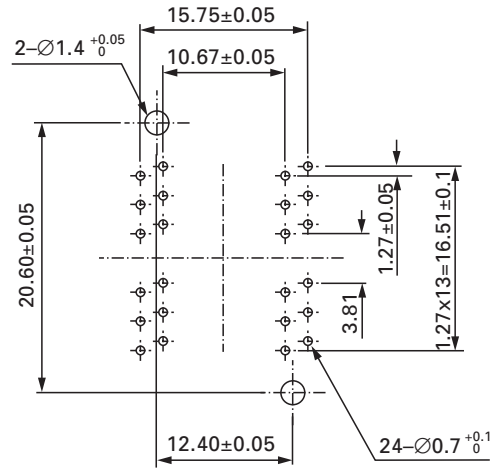
8 pins (SOP)

IC235-0082-236



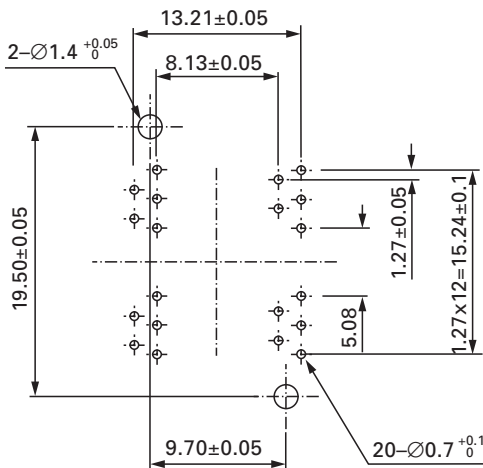
24 pins (TSOP II)

IC235-0242-203



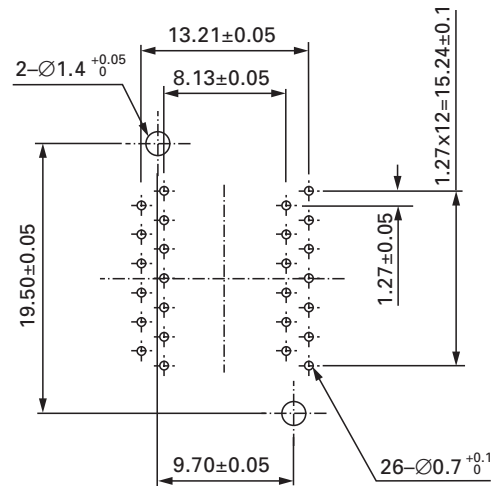
20 pins (TSOP II)

IC235-0202-201



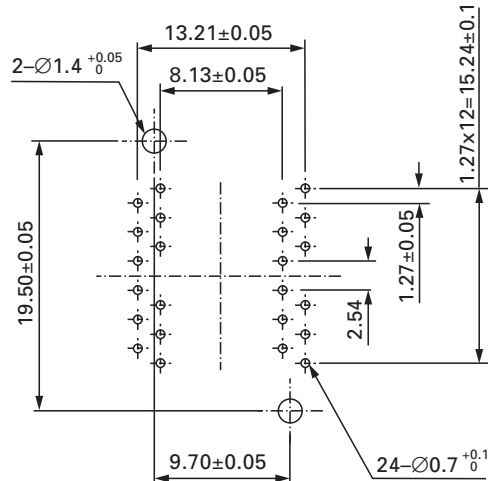
26 pins (TSOP II)

IC235-0262-206



24 pins (TSOP II)

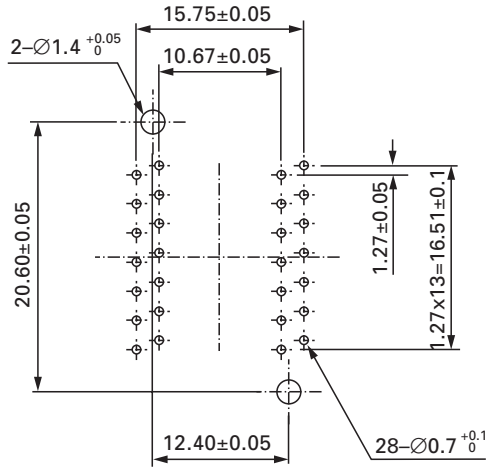
IC235-0242-202



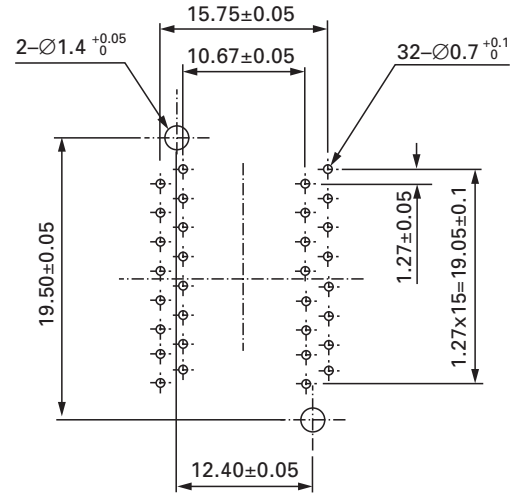
Recommended PCB Layouts

Top View from Socket

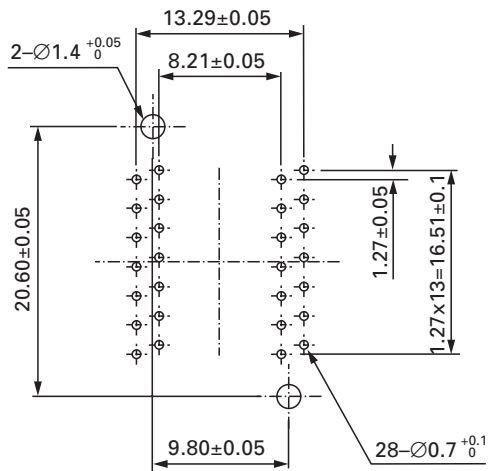
28 pins (TSOP II) IC235-0282-204



32 pins (TSOP II) IC235-0322-232

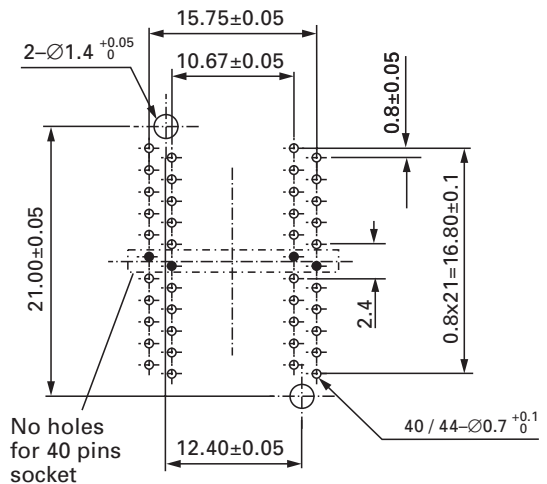


28 pins (TSOP II) IC235-0282-234



40 pins (TSOP II) IC235-0402-205

44 pins (TSOP II) IC235-0442-207



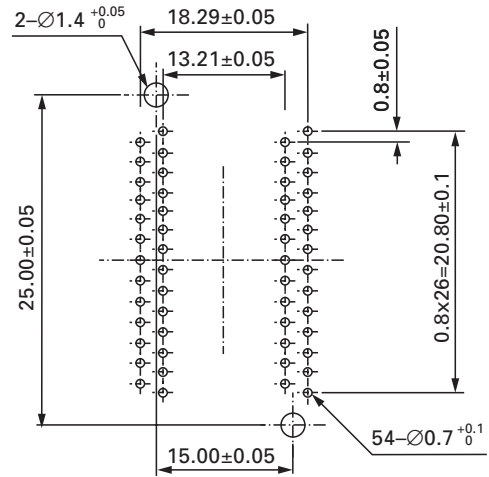
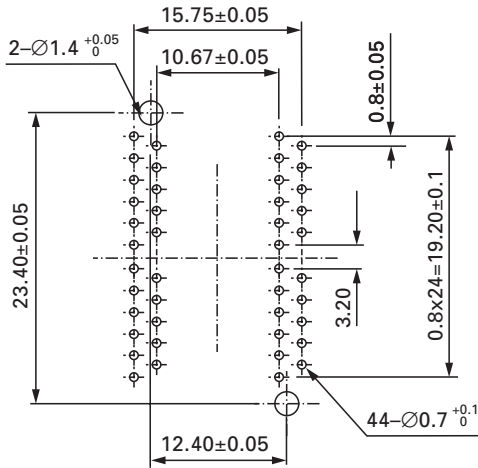
Recommended PCB Layouts

44 pins (TSOP II)

IC235-0442-215

54 pins (TSOP II)

IC235-0542-218-2
IC235-0542-218



50 pins (TSOP II)

IC235-0502-209

54 pins (TSOP II)

IC235-0542-250

