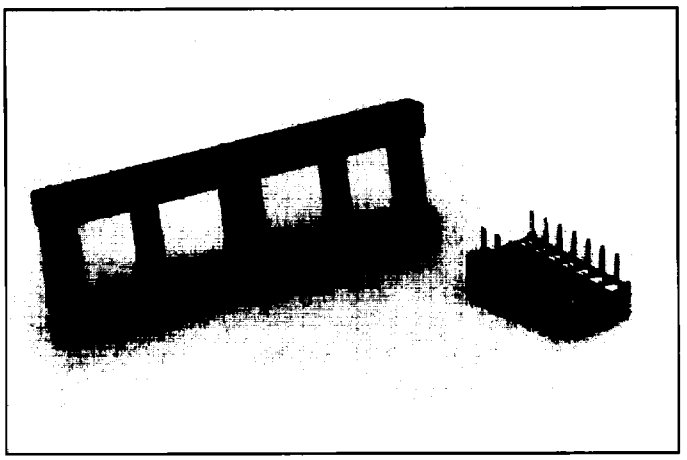
PRODUCTION DIP

Single Wipe Sockets

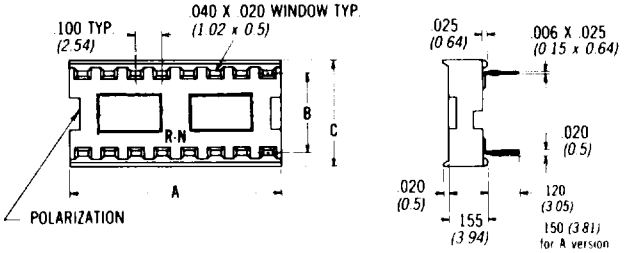
ICL/ICU Series



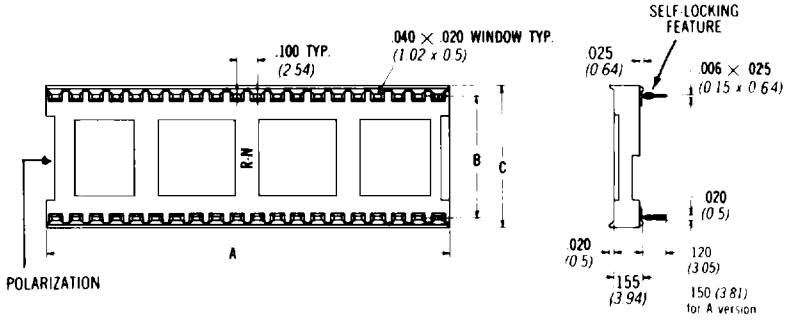
- **High compression, single wipe contact provides high retention and gastight connections**
- **Automatic insertion option compatible with most insertion equipment**
- **Anti-overstress design prevents damage to contact spring**
- **Phosphor bronze option provides high reliability/low cost socket**
- **Side and end stackable**

Tabulations	
Number of Contacts	Detail
8	A
14	A
16	A
18	A
20	A
24	B
28	B
40	B
48	B

Detail A
-S6



Detail B
-S7



How To Order ICL/ICU Series

XXX XX X — SX X — X

- Series: ICL, ICU
- Number of Contacts: (See Chart)
- Row Spacing: 3 = .300 *(7.62)*, 6 = .600 *(15.24)* (See Chart)
- (See Chart)
- Blank = Self-Locking Barb; A = Auto Insert Straight Lead
- Plating Code: Specify TG, T

Part Numbers

Number of Contacts	Description Beryllium Copper Contacts	Description Phosphor Bronze Contacts	Dimension A	Dimension B	Dimension C
8	ICL-083-S6-T	ICU-083-S6-X	.395 *(10.03)*	.300 *(7.62)*	.395 *(10.03)*
14	ICL-143-S6-T	ICU-143-S6-X	.695 *(17.65)*	.300 *(7.62)*	.395 *(10.03)*
16	ICL-163-S6-T	ICU-163-S6-X	.795 *(20.19)*	.300 *(7.62)*	.395 *(10.03)*
18	ICL-183-S6-T	ICU-183-S6-X	.895 *(22.73)*	.300 *(7.62)*	.395 *(10.03)*
20	ICL-203-S6-T	ICU-203-S6-X	.995 *(25.27)*	.300 *(7.62)*	.395 *(10.03)*
24	ICL-246-S7-T	ICU-246-S7-X	1.195 *(30.35)*	.600 *(15.24)*	.695 *(17.65)*
28	ICL-286-S7-T	ICU-286-S7-X	1.395 *(35.43)*	.600 *(15.24)*	.695 *(17.65)*
40	ICL-406-S7-T	ICU-406-S7-X	1.995 *(50.67)*	.600 *(15.24)*	.695 *(17.65)*
48	ICL-486-S7-T	ICU-486-S7-X	2.385 *(60.58)*	.600 *(15.24)*	.695 *(17.65)*

Materials:
Body: Black polyester, glass-filled
Contacts: **ICL:** Beryllium Copper
ICU: Phosphor Bronze

Acceptable Pin Sizes:
Thickness: .015" *(.38)* maximum
Length: .100" - .130" *(2.54-3.30)*

Mounting Information:
PCB Hole: .031" ± .002" *(.79 ± .05)*
Location: IC and socket leads are coincident

Performance Characteristics:
Insertion Force, ICL/ICU: 6.5 oz*/contact
Withdrawal Force, ICL: 4.5 oz*/contact
ICU: 3.4 oz*/contact
*Average of 2nd, 3rd, and 4th cycles using .010" flat pin.
Capacitance: 1 picofarad maximum
Insulation Resistance: 5000 megohms minimum
Dielectric Withstanding Voltage: 500 volts AC
Current Rating: 1 Ampere
Flammability: UL 94V-0
Temperature Range:
ICL: -65°C to + 125°C
ICU: -65°C to + 105°C

Plating Description:
Suffix: **TG =** 10 µinch *(.254 µm)* minimum Gold on contact area.
100 µinch *(2.54 µm)* minimum Tin/Lead on terminal area.

ICL: T = 200 µinch *(5.08 µm)* minimum Tin/Lead in contact area.
100 µinch *(2.54 µm)* minimum Tin/Lead on terminal area.

ICU: T = 30 µinch *(.762 µm)* minimum hot Tin dip and wipe

All options include: 50 µinch *(1.27 µm)* minimum Nickel underplate.