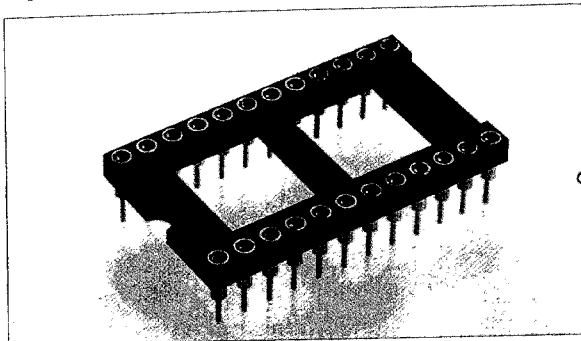


USO

Open Frame DIP Sockets



- Open insulator with ladder construction.
- Sockets are XY stackable.
- Machined outer sleeve with BeCu inner contact.
- Socket pins feature closed-end construction eliminating any solder wicking problems.
- Socket pins available in a wide variety of styles and plating options.
- Packaged in tubes compatible with automatic insertion equipment.
- Available with lubricated contacts for telecom applications.

USO314TLC30

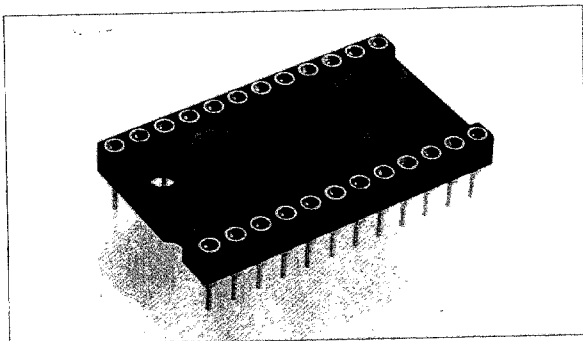
Standard Parts

PART NUMBER	NUMBER OF PINS	DIMENSIONS (See Fig. 1)			
		A	B	C	D
USO306XXXXX	6	.300 (7.62)	.400 (10.16)	.300 (7.62)	.093 (2.36)
USO308XXXXX	8	.400 (10.16)	.400 (10.16)	.300 (7.62)	.093 (2.36)
USO314XXXXX	14	.700 (17.78)	.400 (10.16)	.300 (7.62)	.093 (2.36)
USO316XXXXX	16	.800 (20.32)	.400 (10.16)	.300 (7.62)	.093 (2.36)
USO318XXXXX	18	.900 (22.86)	.400 (10.16)	.300 (7.62)	.093 (2.36)
USO320XXXXX	20	1.000 (25.40)	.400 (10.16)	.300 (7.62)	.093 (2.36)
USO422XXXXX	22	1.100 (27.94)	.500 (12.70)	.400 (10.16)	.093 (2.36)
USO324XXXXX	24	1.200 (30.48)	.400 (10.16)	.300 (7.62)	.093 (2.36)
USO624XXXXX	24	1.200 (30.48)	.700 (17.78)	.600 (15.24)	.093 (2.36)
USO328XXXXX	28	1.400 (35.56)	.400 (10.16)	.300 (7.62)	.125 (3.18)
USO628XXXXX	28	1.400 (35.56)	.700 (17.78)	.600 (15.24)	.093 (2.36)
USO632XXXXX	32	1.600 (40.64)	.700 (17.78)	.600 (15.24)	.125 (3.18)
USO640XXXXX	40	2.000 (50.80)	.700 (17.78)	.600 (15.24)	.093 (2.36)
USO648XXXXX	48	2.400 (60.96)	.700 (17.78)	.600 (15.24)	.093 (2.36)
USO964XXXXX	64	3.200 (81.28)	1.000 (25.40)	.900 (22.86)	.093 (2.36)

Serie
USO
SO (C

SO

Closed Frame DIP Sockets



- Closed insulator.
- Sockets are XY stackable.
- Machined outer sleeve with BeCu inner contact.
- Socket pins feature closed-end construction eliminating any solder wicking problems.
- Socket pins available in a wide variety of styles and plating options.
- Packaged in tubes compatible with automatic insertion equipment.
- Available with lubricated contacts for telecom applications.

Standard Parts

PART NUMBER	NUMBER OF PINS	DIMENSIONS (See Fig. 1)			
		A	B	C	D
SO308XXXXX	8	.400 (10.16)	.400 (10.16)	.300 (7.62)	.093 (2.36)
SO314XXXXX	14	.700 (17.78)	.400 (10.16)	.300 (7.62)	.125 (3.18)
SO316XXXXX	16	.800 (20.32)	.400 (10.16)	.300 (7.62)	.125 (3.18)
SO318XXXXX	18	.900 (22.86)	.400 (10.16)	.300 (7.62)	.125 (3.18)
SO320XXXXX	20	1.000 (25.40)	.400 (10.16)	.300 (7.62)	.125 (3.18)
SO422XXXXX	22	1.100 (27.94)	.500 (12.70)	.400 (10.16)	.125 (3.18)
SO624XXXXX	24	1.200 (30.48)	.700 (17.78)	.600 (15.24)	.125 (3.18)
SO628XXXXX	28	1.400 (35.56)	.700 (17.78)	.600 (15.24)	.125 (3.18)
SO632XXXXX	32	1.600 (40.64)	.700 (17.78)	.600 (15.24)	.110 (2.79)
SO640XXXXX	40	2.000 (50.80)	.700 (17.78)	.600 (15.24)	.125 (3.18)

NOTI

Spe
Inne
Oute
Insu.
Ope
PCE
All F
IC F
.I
Inse
Witt

Precicontact, Inc., 2556 Metropolitan Dr., Treviso, PA 19053 USA • TEL: 1.215.322.3424 • FAX: 1.215.322.3450
 Precicontact S.A., Case Postale 24 • CH-1870 • Monthey, VS Switzerland • Tel: +41-25-70.81.51 • FAX: +41-25-71.50.86

1230-01130 5 of 6

Ordering Information

USL 314 TLC 30

USO

3

18

TL

A

31

Series

USO (Open)
SO (Closed)

DIP Spacing

3 - .300 (7.62) centers
4 - .400 (10.16) centers
6 - .600 (15.24) centers
9 - .900 (22.86) centers

Plating of Sleeve

TL - Tin Lead 150 μ " (3.80 μ m)
GH - Gold 10 μ " (0.25 μ m)
GK - Gold 30 μ " (0.75 μ m)

Number of Pins

Solder Tail Length (E Dim.)

A - .125 (3.18)3000
B - .143 (3.63)3080
C - .180 (4.57)3010
D - .275 (6.99)3190

Corresponding Loose Pin Number

Plating of Inner Contact

30 - Gold 10 μ " (0.25 μ m)
31 - Gold 30 μ " (0.75 μ m)
45 - Gold 15 μ " (0.38 μ m)
36 - Tin Lead 150 μ " (3.80 μ m)
27 - Gold 5 μ " (0.13 μ m)
36F - Tin Lead 150 μ " (3.80 μ m) with lubricant

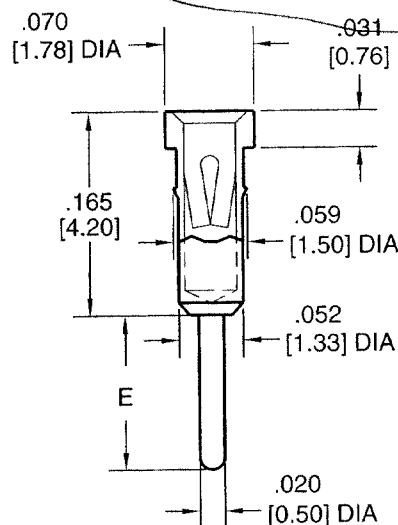
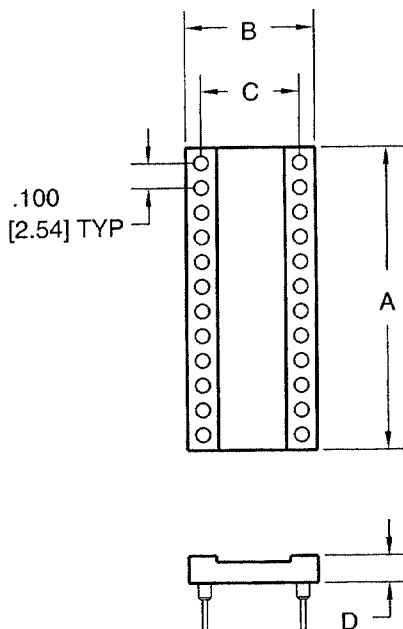


FIG.1

NOTE: For detailed insulator drawings, see pages 2 and 3.

Specifications:

Inner Contact — BeCu per QQ-C-533

Outer Sleeve — Brass per QQ-B-626

Insulator — Glass-filled Polyester Rated to UL94V-O

Operating Temperature — -65°C to +125°C

PCB Hole Size — .035 $\pm$.003 (0.89 $\pm$ 0.08) solder termination

All Platings — Over 50 μ " (1.27 μ m) minimum Nickel over 5 μ " (0.13 μ m) minimum Copper

IC Pin Dimension Range — .016 (0.41) to .025 (0.63) round, .125 (3.18) minimum length,
.009 (0.23) x .015 (0.38) to .015 (0.38) x .022 (0.56) rectangular

Insertion Force — 186 grams

Withdrawal Force — 92 grams

1230-01130

6 of 6