

\*SOP variations e.g. TSSOP..

Series IC51 (Clamshell)  
SOP, TSOP Type I & II

0.4 to 1.27mm Pitch

Specifications

- Insulation Resistance: 1,000MΩ min. at 500V DC
- Dielectric Withstanding Voltage: 700V AC for 1 minute
- Contact Resistance: 30mΩ max. at 10mA/20mV max.
- Operating Temperature Range: -40°C to +150°C (for type PSF)  
-55°C to +170°C (for type PES & PEI)
- Mating Cycles: 10,000 insertions min.

Materials and Finish

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



Part Number (Details)

**IC51 - 028 2 - 334-1 - MF**

- Series No. [ ]
- No. of Contact Pins [ ]
- No. of Sides with Contacts [ ]
- Design Number [ ]
- MF= Flanged  
Unmarked = Not Flanged

Series IC189 (Open Top)  
SOP, TSOP Type I & II

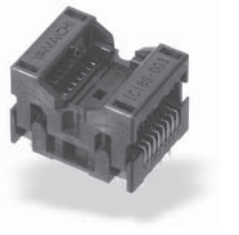
0.4 to 1.27mm Pitch

Specifications

- Insulation Resistance: 1,000MΩ min. at 100V DC, pitch 0.4, 0.5  
1,000MΩ min. at 500V DC, pitch 0.65, 0.8, 1.27
- Dielectric Withstanding Voltage: 100V AC for 1 minute, pitch 0.4, 0.5  
500V AC for 1 minute, pitch 0.65  
700V AC for 1 minute, pitch 0.8, 1.27
- Contact Resistance: 30mΩ max. at 10mA/20mV max.
- Operating Temperature Range: -40°C to +150°C
- Mating Cycles: 10,000 insertions
- Contact Force: 20g to 80g per pin

Materials and Finish

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



Part Number (Details)

**IC189 - 016 2 - 019 \* - \***

- 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

Series IC235 (Open Top)  
SOP, TSOP Type II

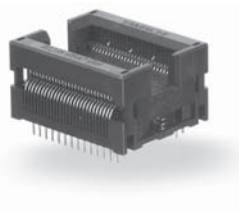
0.8 and 1.27mm Pitch

Specifications

- Insulation Resistance: 1,000MΩ min. at 500V DC
- Dielectric Withstanding Voltage: 700V AC for 1 minute
- Contact Resistance: 30mΩ max. at 10mA/20mV max.
- Operating Temperature Range: -40°C to +150°C
- Mating Cycles: 10,000 insertions min.
- Contact Force: 20g to 80g per pin

Materials and Finish

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



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



Series IC191 (Open Top)  
Thin Small Outline Package (TSOP Type I)

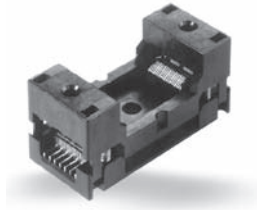
0.5mm Pitch

Specifications

|                                  |                              |
|----------------------------------|------------------------------|
| Insulation Resistance:           | 1,000MΩ min. at 500V DC      |
| Dielectric Withstanding Voltage: | 700V AC for 1 minute         |
| Contact Resistance:              | 30mΩ max. at 10mA/20mV max.  |
| Current Rating:                  | 1A max.                      |
| Operating Temperature Range:     | -40°C to +170°C              |
|                                  | -40°C to +150°C (type -004*) |
| Mating Cycles:                   | 10,000 insertions min.       |
| Contact Force:                   | 20g to 80g per pin           |

Materials and Finish

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

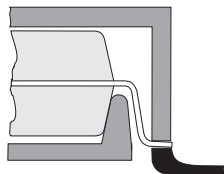


Part Number (Details)

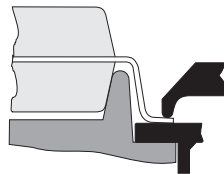
|                                 |   |     |   |   |     |   |
|---------------------------------|---|-----|---|---|-----|---|
| IC191                           | - | 032 | 2 | - | 001 | * |
| Series No.                      |   |     |   |   |     |   |
| No. of Contact Pins             |   |     |   |   |     |   |
| Number of Sides with Contacts   |   |     |   |   |     |   |
| Design Number                   |   |     |   |   |     |   |
| Positioning Pin:                |   |     |   |   |     |   |
| N = Without Positioning Pin     |   |     |   |   |     |   |
| Unmarked = With Positioning Pin |   |     |   |   |     |   |

Gullwing-Leads - SO

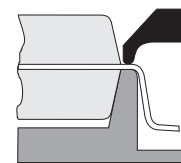
Contact Styles



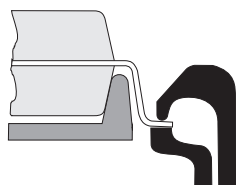
Series IC51



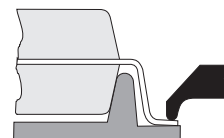
Series IC (two point Contact)



Series IC235

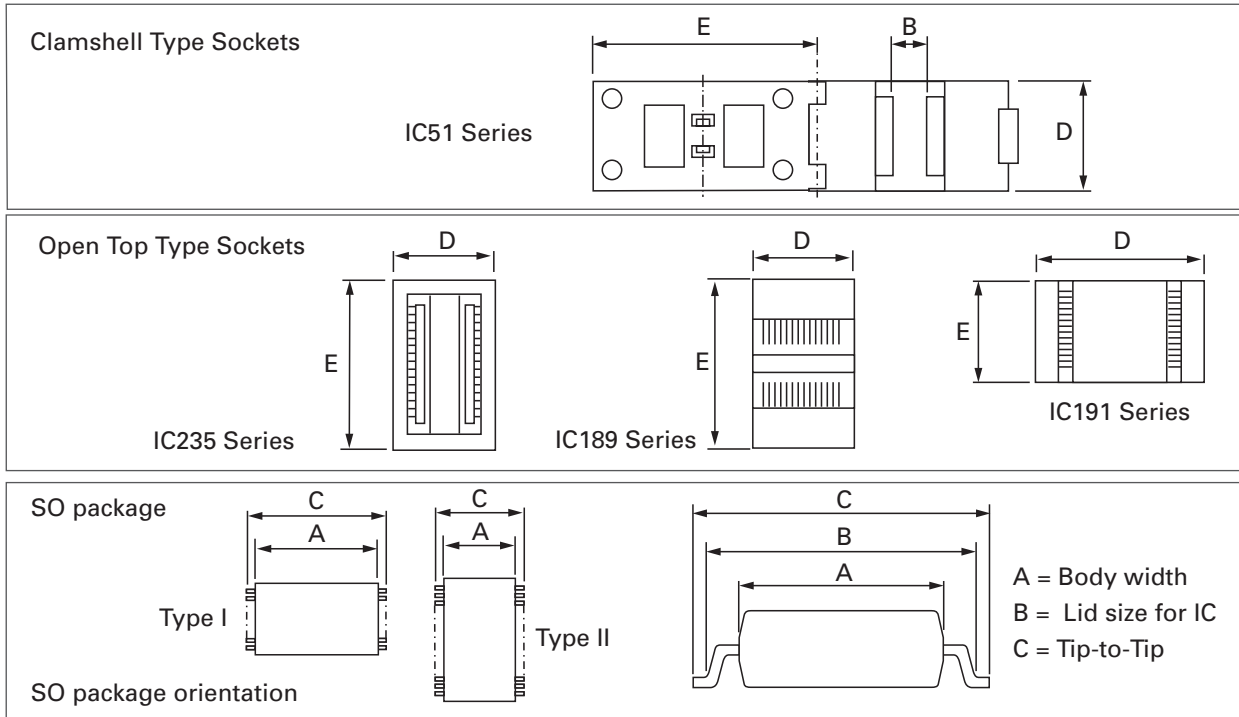


Series IC (kelvin)



Series IC189 / IC191

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0.40mm Pitch

C L = Clamshell, OT = Open Top, S = Separator, FB = Floating Base

| Part Number       | Pitch | Pin Count | IC Dimensions |                                 |              | Socket Dimensions D x E | Package Type | Special Note |
|-------------------|-------|-----------|---------------|---------------------------------|--------------|-------------------------|--------------|--------------|
|                   |       |           | Body A        | Lid Size IC and Socket B (max.) | Tip-to-Tip C |                         |              |              |
| IC51-0142-2074    | 0.4   | 14        | 4.40          | 5.70                            | 6.40         | 16.0 x 34.0             | SOP          | CL/FB        |
| IC51-0202-2072    | 0.4   | 20        | 4.40          | 5.70                            | 6.40         | 16.0 x 34.0             | SOP          | CL/FB        |
| IC51-0242-2071    | 0.4   | 24        | 4.40          | 5.70                            | 6.40         | 16.0 x 34.0             | SOP          | CL/FB        |
| IC189-0482-111*-2 | 0.4   | 48        | -             | 12.40                           | 4.00         | 34.0 x 16.0             | TSOP I       | OT           |
| IC51-0482-2069    | 0.4   | 48        | 4.40          | 5.70                            | 6.40         | 20.0 x 34.0             | SOP          | CL/FB        |
| IC189-0522-124 *  | 0.4   | 52        | -             | 8.69                            | 10.49        | 30.5 x 18.0             | TSOP I       | OT           |
| IC51-0562-2067    | 0.4   | 56        | 4.40          | 5.70                            | 6.40         | 20.0 x 34.0             | SOP          | CL/FB        |
| IC51-0802-2077    | 0.4   | 80        | 6.10          | 7.45                            | 8.10         | 34.0 x 34.0             | SOP          | CL/FB        |

0.50mm Pitch

|                    |     |    |       |       |       |             |        |        |
|--------------------|-----|----|-------|-------|-------|-------------|--------|--------|
| IC51-0242-1006-1   | 0.5 | 24 | 14.30 | 15.20 | 16.00 | 15.0 x 40.0 | TSOP I | CL/FB  |
| IC51-0302-2037     | 0.5 | 30 | 4.40  | 5.70  | 6.40  | 18.0 x 38.0 | SOP    | CL/FB  |
| IC191-0322-001 *-* | 0.5 | 32 | 18.40 | -     | 20.00 | 40.0 x 16.0 | TSOP I | OT     |
| IC51-0322-1031-1   | 0.5 | 32 | 12.00 | 13.30 | 14.00 | 16.0 x 33.5 | TSOP I | CL/FB  |
| IC51-0322-1207-1   | 0.5 | 32 | 18.40 | 19.30 | 20.00 | 18.0 x 44.0 | TSOP I | CL/FB  |
| IC51-0322-883-1    | 0.5 | 32 | 14.00 | 14.50 | 16.00 | 16.0 x 39.0 | TSOP I | CL/FB  |
| IC51-0382-2036     | 0.5 | 38 | 4.40  | 5.70  | 6.40  | 25.0 x 38.0 | SOP    | CL/FB  |
| IC189-0402-068 *   | 0.5 | 40 | 18.40 | -     | 20.00 | 40.0 x 16.0 | TSOP I | OT     |
| IC191-0402-002 *-* | 0.5 | 40 | 18.40 | -     | 20.00 | 18.0 x 40.0 | TSOP I | OT     |
| IC51-0402-1174-1   | 0.5 | 40 | 18.40 | 19.30 | 20.00 | 18.0 x 44.0 | TSOP I | CL/FB  |
| IC51-0402-1557     | 0.5 | 40 | 12.00 | 13.40 | 14.00 | 20.0 x 44.0 | TSOP I | CL/FB  |
| IC189-0482-066 *   | 0.5 | 48 | 16.40 | -     | 18.00 | 36.0 x 20.0 | TSOP I | OT     |
| IC189-0482-077 *   | 0.5 | 48 | 18.40 | -     | 20.00 | 40.0 x 18.0 | TSOP I | OT     |
| IC189-0482-094 *   | 0.5 | 48 | 6.10  | -     | 8.10  | 28.1 x 18.2 | SOP    | OT     |
| IC191-0482-004 *-* | 0.5 | 48 | 18.40 | -     | 20.00 | 40.0 x 20.0 | TSOP I | OT     |
| IC51-0482-1099     | 0.5 | 48 | 16.40 | 17.60 | 18.00 | 20.0 x 44.0 | TSOP I | CL/FB  |
| IC51-0482-1513     | 0.5 | 48 | 6.10  | 7.20  | 8.10  | 22.0 x 38.0 | SOP    | CL/FB  |
| IC51-0482-2018     | 0.5 | 48 | 18.40 | 19.15 | 20.00 | 20.0 x 44.0 | TSOP I | CL/FB  |
| IC53-0502-912      | 0.5 | 50 | 4.40  | -     | 6.40  | 24.3 x 34.0 | SOP    | NO LID |
| IC189-0562-067 *   | 0.5 | 56 | 18.40 | -     | 20.00 | 40.0 x 20.0 | TSOP I | OT     |
| IC191-0562-003 *   | 0.5 | 56 | 18.40 | -     | 20.00 | 21.5 x 40.0 | TSOP I | OT     |
| IC51-0562-1514     | 0.5 | 56 | 6.10  | 7.20  | 8.10  | 29.0 x 38.0 | SOP    | CL/FB  |
| IC53-0642-911      | 0.5 | 64 | 6.10  | -     | 8.10  | 30.0 x 34.0 | SOP    | NO LID |



0.55 / 0.6 / 0.635mm Pitch

| Part Number        | Pitch | Pin Count | A     | B     | C     | D x E       | Type | Note  |
|--------------------|-------|-----------|-------|-------|-------|-------------|------|-------|
| IC51-0282-673-1    | 0.55  | 28        | 11.80 | 12.60 | 13.40 | 15.0 x 37.0 | SOP  | CL/FB |
| IC51-0322-910      | 0.60  | 32        | 14.00 | 14.60 | 15.20 | 17.5 x 39.0 | SOP  | CL/FB |
| IC51-1387 KS-15186 | 0.635 | 48        | 7.60  | 9.40  | 10.30 | 21.0 x 35.0 | SOP  | CL/S  |
| IC51-0562-1387     | 0.635 | 56        | 7.60  | 9.40  | 10.30 | 21.0 x 35.0 | SOP  | CL/S  |

0.65mm Pitch

|                      |      |    |      |      |       |             |     |       |
|----------------------|------|----|------|------|-------|-------------|-----|-------|
| IC51-778 A104194-001 | 0.65 | 8  | 4.40 | 5.60 | 6.40  | 16.0 x 32.0 | SOP | CL/S  |
| IC51-0162-778        | 0.65 | 16 | 4.40 | 5.60 | 6.40  | 16.0 x 32.0 | SOP | CL/S  |
| IC51-0162-911        | 0.65 | 16 | 4.40 | 5.60 | 6.40  | 16.0 x 32.0 | SOP | CL/FB |
| IC51-0242-1341       | 0.65 | 16 | 4.40 | 5.60 | 6.40  | 16.0 x 32.0 | SOP | CL/S  |
| IC51-755 KS-7514     | 0.65 | 16 | 5.60 | 6.70 | 7.60  | 16.0 x 32.0 | SOP | CL/S  |
| IC189-0202-038 *     | 0.65 | 20 | 6.10 | -    | 8.10  | 24.0 x 22.5 | SOP | OT    |
| IC51-0202-779        | 0.65 | 20 | 4.40 | 5.60 | 6.40  | 16.0 x 32.0 | SOP | CL/S  |
| IC51-0202-912        | 0.65 | 20 | 4.40 | 5.60 | 6.40  | 16.0 x 32.0 | SOP | CL/FB |
| IC51-755 KS-7631     | 0.65 | 20 | 5.60 | 6.70 | 7.60  | 16.0 x 32.0 | SOP | CL/S  |
| IC189-0242-081P      | 0.65 | 24 | 6.10 | -    | 7.70  | 13.6 x 21.5 | SOP | OT    |
| IC51-0242-761        | 0.65 | 24 | 5.60 | 6.70 | 7.60  | 16.0 x 32.0 | SOP | CL/S  |
| IC51-0242-913        | 0.65 | 24 | 5.60 | 6.70 | 7.60  | 16.0 x 32.0 | SOP | CL/FB |
| IC51-755 KS-13330    | 0.65 | 28 | 5.60 | 6.70 | 7.60  | 16.0 x 32.0 | SOP | CL/S  |
| IC51-0302-755        | 0.65 | 30 | 5.60 | 6.70 | 7.60  | 16.0 x 32.0 | SOP | CL/S  |
| IC189-0302-121       | 0.65 | 30 | 6.10 | -    | 8.10  | 22.0 x 24.0 | SOP | OT    |
| IC51-0302-914        | 0.65 | 30 | 5.60 | 6.70 | 7.60  | 16.0 x 32.0 | SOP | CL/FB |
| IC189-0382-037 *     | 0.65 | 38 | 6.10 | -    | 8.10  | 24.0 x 22.5 | SOP | OT    |
| IC51-0402-1347       | 0.65 | 40 | 5.50 | 6.70 | 7.80  | 16.0 x 32.0 | SOP | CL/S  |
| IC51-0402-1396       | 0.65 | 40 | 6.30 | 7.20 | 8.20  | 16.0 x 32.0 | SOP | CL/S  |
| IC189-0482-047N      | 0.65 | 48 | 8.00 | -    | 10.00 | 24.0 x 22.5 | SOP | OT    |
| IC51-0482-1163       | 0.65 | 48 | 7.60 | 9.60 | 10.16 | 21.0 x 36.0 | SOP | CL/S  |

0.80mm Pitch

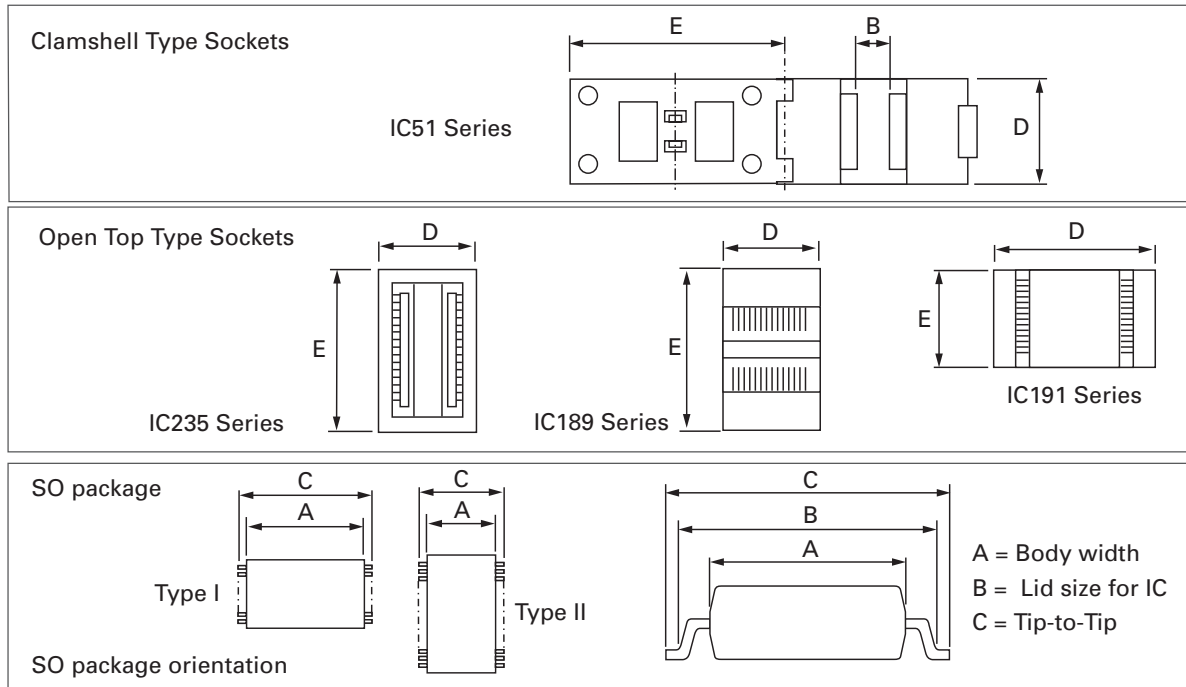
|                    |     |         |       |       |       |               |     |       |
|--------------------|-----|---------|-------|-------|-------|---------------|-----|-------|
| IC51-0122-1836     | 0.8 | 12      | 4.40  | 5.90  | 6.40  | 14.0 x 32.4   | SOP | CL/S  |
| IC51-0162-748      | 0.8 | 16      | 4.40  | 5.70  | 6.40  | 20.0 x 31.5   | SOP | CL/S  |
| IC51-0242-308      | 0.8 | 24      | 5.40  | 6.20  | 7.20  | 32.0 x 38.5   | SOP | CL/FB |
| IC51-0242-577      | 0.8 | 24      | 7.80  | 9.30  | 10.00 | 22.0 x 32.5   | SOP | CL/S  |
| IC51-0362-309      | 0.8 | 36      | 8.40  | 11.00 | 12.10 | 32.0 x 38.5   | SOP | FB    |
| IC189-0422-025*-*  | 0.8 | 42      | 8.40  | -     | 11.93 | 25.0 x 25.4   | SOP | OT    |
| IC51-0422-393      | 0.8 | 42      | 8.40  | 11.00 | 12.10 | 32.0 x 38.0   | SOP | FB    |
| IC51-0482-1009-2   | 0.8 | 48      | 13.70 | 15.10 | 16.00 | 28.0 x 42.5   | SOP | FB    |
| IC51-0502-1708     | 0.8 | 50      | 10.16 | 11.00 | 11.80 | 26.0 x 36.5   | SOP | CL/S  |
| IC189-0542-088 *   | 0.8 | 54      | 10.16 | -     | 11.76 | 24.9 x 29.8   | SOP | OT    |
| IC189-0542-093 *   | 0.8 | 54      | 10.16 | -     | 11.76 | 24.9 x 29.8   | SOP | OT    |
| IC51-0562-2144     | 0.8 | 56      | 13.30 | 15.15 | 16.00 | 22.0 x 48.5   | SOP | CL/S  |
| IC189-0622-084*-*  | 0.8 | 62      | 16.00 | -     | 18.00 | 31.46 x 34.60 | SOP | OT    |
| IC189-0642-007 *-* | 0.8 | 64      | 12.00 | -     | 14.25 | 27.35 x 34.10 | SOP | OT    |
| IC189-0642-069 *-* | 0.8 | 64      | 10.70 | -     | 14.10 | 27.05 x 33.80 | SOP | OT    |
| IC189-0702-074 *   | 0.8 | 70      | 12.64 | -     | 15.90 | 29.3 x 37.0   | SOP | OT    |
| IC51-0702-1965     | 0.8 | 70      | 12.80 | 14.90 | 15.90 | 36.0 x 42.0   | SOP | CL/S  |
| IC51-0442-1709     | 0.8 | 44 (50) | 10.20 | 11.00 | 11.80 | 26.0 x 36.5   | SOP | CL/S  |

1.00mm Pitch

|                 |      |    |     |      |      |             |     |      |
|-----------------|------|----|-----|------|------|-------------|-----|------|
| IC51-0242-310-1 | 1.00 | 24 | 4.5 | 5.2  | 6.0  | 18.0 x 28.5 | SOP | CL/S |
| IC51-0322-948   | 1.00 | 32 | 8.2 | 10.5 | 11.8 | 20.0 x 32.0 | SOP | CL/S |
| IC51-0342-741   | 1.00 | 34 | 7.8 | 7.9  | 9.4  | 22.0 x 35.0 | SOP | CL/S |

1.25mm Pitch

|               |      |    |     |     |     |             |     |      |
|---------------|------|----|-----|-----|-----|-------------|-----|------|
| IC51-0142-951 | 1.25 | 14 | 4.4 | 5.2 | 5.9 | 24.0 x 27.5 | SOP | CL/S |
|---------------|------|----|-----|-----|-----|-------------|-----|------|



1.27mm Pitch

C L = Clamshell, OT = Open Top, S = Separator, FB = Floating Base

| Part Number        | Pitch | Pin Count | IC Dimensions |                                 |              | Socket Dimensions D x E | Package Type | Special Note |
|--------------------|-------|-----------|---------------|---------------------------------|--------------|-------------------------|--------------|--------------|
|                    |       |           | Body A        | Lid Size IC and Socket B (max.) | Tip-to-Tip C |                         |              |              |
| IC235-0082-236-*   | 1.27  | 8         | 7.00          | -                               | 8.60         | 16.8 x 12.0             | SOP          | OT           |
| IC51-0082-1024     | 1.27  | 8         | 5.20          | 7.20                            | 7.90         | 18.5 x 32.5             | SOP          | CL/FB        |
| IC51-0082-763      | 1.27  | 8         | 4.10          | 5.4                             | 6.00         | 14.0 x 30.0             | SOP          | CL/S         |
| IC51-1035 KS-10460 | 1.27  | 8         | 4.00          | 5.40                            | 6.00         | 22.0 x 27.2             | SOP          | CL/S         |
| IC51-0142-1013     | 1.27  | 14        | 5.20          | 7.20                            | 7.90         | 18.5 x 32.5             | SOP          | CL/FB        |
| IC51-1035 KS-15187 | 1.27  | 14        | 4.00          | 5.40                            | 6.00         | 22.0 x 27.2             | SOP          | CL/S         |
| IC51-347 KS-7704   | 1.27  | 14        | 7.70          | 9.50                            | 10.30        | 16.0 x 31.5             | SOP          | CL/S         |
| IC189-0162-003 *-* | 1.27  | 16        | 5.30          | -                               | 7.80         | 20.9 x 15.8             | SOP          | OT           |
| IC189-0162-019 *-* | 1.27  | 16        | 5.60          | -                               | 7.70         | 20.8 x 16.0             | SOP          | OT           |
| IC51-0162-1025     | 1.27  | 16        | 5.20          | 7.20                            | 7.90         | 18.5 x 32.5             | SOP          | CL/FB        |
| IC51-0162-1035     | 1.27  | 16        | 4.00          | 5.40                            | 6.00         | 22.0 x 27.2             | SOP          | CL/S         |
| IC51-0162-1042     | 1.27  | 16        | 4.00          | 5.40                            | 6.00         | 22.0 x 27.2             | SOP          | CL/S         |
| IC51-0162-150      | 1.27  | 16        | 4.50          | 4.90                            | 6.40         | 26.0 x 35.0             | SOP          | CL/S         |
| IC51-0162-271-1    | 1.27  | 16        | 5.50          | 5.22                            | 8.00         | 13.0 x 28.5             | SOP          | CL/S         |
| IC51-0162-271-2    | 1.27  | 16        | 5.00          | 5.22                            | 8.00         | 13.0 x 28.5             | SOP          | CL/S         |
| IC51-0162-271-3    | 1.27  | 16        | 4.50          | 5.22                            | 8.00         | 13.0 x 28.5             | SOP          | CL/S         |
| IC51-0162-272-1    | 1.27  | 16        | 5.50          | 5.72                            | 8.00         | 13.0 x 28.5             | SOP          | CL/S         |
| IC51-0162-273-1    | 1.27  | 16        | 5.50          | 6.22                            | 8.00         | 13.0 x 28.5             | SOP          | CL/S         |
| IC51-0162-302      | 1.27  | 16        | 5.35          | 7.20                            | 7.80         | 12.0 x 30.5             | SOP          | CL/S         |
| IC51-0162-658      | 1.27  | 16        | 4.40          | 5.70                            | 7.00         | 26.0 x 31.5             | SOP          | CL/S         |
| IC51-0162-902-2    | 1.27  | 16        | 5.30          | 7.20                            | 8.20         | 12.0 x 28.5             | SOP          | CL/S         |
| IC51-347 KS-6768   | 1.27  | 18        | 7.70          | 9.50                            | 10.30        | 18.0 x 31.5             | SOP          | CL/S         |
| IC189-0202-017     | 1.27  | 20        | 5.60          | -                               | 7.70         | 24.0 x 22.5             | SOP          | OT           |
| IC51-0202-1026     | 1.27  | 20        | 5.20          | 7.20                            | 7.90         | 18.5 x 32.5             | SOP          | CL/FB        |
| IC51-0202-164      | 1.27  | 20        | 5.30          | 6.70                            | 8.50         | 32.0 x 36.5             | SOP          | CL/S         |
| IC51-0202-347      | 1.27  | 20        | 7.70          | 9.53                            | 10.30        | 16.0 x 31.5             | SOP          | CL/S         |



1.27mm Pitch

| Part Number         | Pitch | Pin Count | IC Dimensions |                                 |              | Socket Dimensions D x E | Package Type | Special Note |
|---------------------|-------|-----------|---------------|---------------------------------|--------------|-------------------------|--------------|--------------|
|                     |       |           | Body A        | Lid Size IC and Socket B (max.) | Tip-to-Tip C |                         |              |              |
| IC51-0202-714       | 1.27  | 20        | 7.60          | 9.30                            | 10.30        | 18.0 x 32.0             | SOP          | CL/FB        |
| IC51-0202-932-1     | 1.27  | 20        | 5.30          | 6.50                            | 7.20         | 15.5 x 26.0             | SOP          | CL/S         |
| IC51-334 KS-13574   | 1.27  | 20        | 7.50          | 9.40                            | 10.30        | 18.0 x 32.0             | SOP          | CL/S         |
| IC51-0222-803       | 1.27  | 22        | 5.50          | 6.00                            | 6.60         | 16.5 x 29.0             | SOP          | CL/S         |
| IC189-0242-040 *    | 1.27  | 24        | 7.15          | -                               | 10.30        | 24.0 x 22.5             | SOP          | OT           |
| IC51-0242-303-1     | 1.27  | 24        | 5.30          | 7.30                            | 8.00         | 18.0 x 28.5             | SOP          | CL/S         |
| IC51-0242-367-1     | 1.27  | 24        | 9.40          | 10.43                           | 11.20        | 18.0 x 32.5             | SOP          | CL/S         |
| IC51-0242-793       | 1.27  | 24        | 5.50          | 7.10                            | 8.00         | 18.5 x 29.0             | SOP          | CL/S         |
| IC51-0242-980       | 1.27  | 24        | 5.20          | 7.20                            | 7.90         | 18.5 x 32.5             | SOP          | CL/FB        |
| IC51-334 KS-6411    | 1.27  | 24        | 7.50          | 9.40                            | 10.30        | 22.0 x 32.5             | SOP          | CL/S         |
| IC51-0262-1339      | 1.27  | 26        | 7.60          | 8.40                            | 9.20         | 23.0 x 35.5             | SOP          | CL/FB        |
| IC189-0282-042 *    | 1.27  | 28        | 7.15          | -                               | 10.30        | 24.0 x 22.5             | SOP          | OT           |
| IC51-0282-165       | 1.27  | 28        | 7.40          | 8.40                            | 9.40         | 40.0 x 50.0             | SOP          | CL/S         |
| IC51-0282-334-1     | 1.27  | 28        | 7.50          | 9.40                            | 10.30        | 22.0 x 32.5             | SOP          | CL/S         |
| IC51-0282-474       | 1.27  | 28        | 8.45          | 11.10                           | 12.00        | 22.0 x 32.5             | SOP          | CL/S         |
| IC51-0282-474-2     | 1.27  | 28        | 8.45          | 10.70                           | 12.00        | 22.0 x 32.5             | SOP          | CL/S         |
| IC51-0282-986       | 1.27  | 28        | 7.60          | 9.60                            | 10.30        | 23.0 x 35.5             | SOP          | CL/FB        |
| IC51-0302-371-1     | 1.27  | 30        | 7.80          | 9.60                            | 10.30        | 24.0 x 32.5             | SOP          | CL/S         |
| IC51-0302-904       | 1.27  | 30        | 7.80          | 9.20                            | 10.30        | 24.0 x 32.5             | SOP          | CL/S         |
| IC189-0322-004 *.-* | 1.27  | 32        | 11.40         | -                               | 14.10        | 27.2 x 26.5             | SOP          | OT           |
| IC189-0322-005 *.-* | 1.27  | 32        | 11.00         | -                               | 14.00        | 27.2 x 27.5             | SOP          | OT           |
| IC51-0322-304-2     | 1.27  | 32        | 8.40          | 11.00                           | 12.00        | 24.0 x 32.5             | SOP          | CL/S         |
| IC51-0322-667       | 1.27  | 32        | 11.60         | 13.10                           | 14.00        | 26.0 x 33.0             | SOP          | CL/S         |
| IC51-0322-667-2     | 1.27  | 32        | 11.60         | 13.10                           | 14.00        | 26.0 x 33.0             | SOP          | CL/S         |
| IC51-0322-937       | 1.27  | 32        | 8.80          | 10.90                           | 12.00        | 26.0 x 31.5             | SOP          | CL/S         |
| IC51-0322-950       | 1.27  | 32        | 11.30         | 13.00                           | 15.00        | 28.0 x 42.5             | SOP          | CL/FB        |
| IC51-0402-1197      | 1.27  | 40        | 10.90         | 12.90                           | 13.70        | 20.0 x 52.0             | SOP          | CL/S         |
| IC51-0402-991       | 1.27  | 40        | 11.60         | 13.00                           | 14.00        | 30.0 x 34.5             | SOP          | CL/S         |
| IC189-0442-065 *    | 1.27  | 44        | 13.20         | -                               | 16.00        | 29.11 x 34.10           | SOP          | OT           |
| IC51-0442-1208      | 1.27  | 44        | 12.80         | 14.70                           | 15.60        | 22.0 x 55.0             | SOP          | CL/S         |
| IC51-0442-1315      | 1.27  | 44        | 13.00         | 15.00                           | 15.80        | 33.0 x 40.5             | SOP          | CL/FB        |
| IC51-0442-1536      | 1.27  | 44        | 13.40         | 14.70                           | 15.60        | 22.0 x 55.0             | SOP          | CL/S         |

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