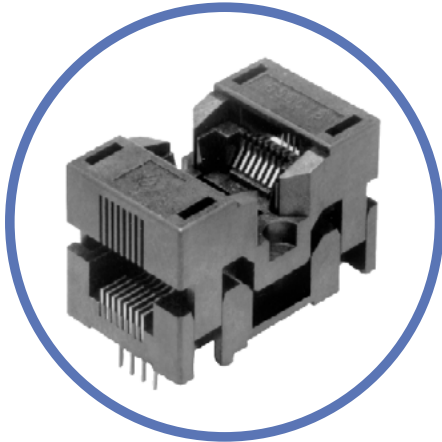




## | 656 SERIES

SSOP ZIF



### Features

- Open top, zero insertion force design for automatic loading
- Compact size for high board density
- Highly reliable, pre-loaded contacts
- Accommodate pitch sizes 0.50, 0.635, 0.65, and 0.80mm
- Optional thermal pin for package Heat Sink (consult factory)
- Thru hole design
- High force contact version (H) available for Pb free packages (single beam type)



## MATERIALS AND SPECIFICATIONS

|                              |                             |
|------------------------------|-----------------------------|
| <b>Socket Body</b>           | PES, PEI, LCP or Equivalent |
| <b>Contact</b>               | Beryllium Copper Alloy      |
| <b>Contact Plating</b>       | Gold over Nickel            |
| <b>Contact Normal Force</b>  | 35~45 grams                 |
| <b>Contact Resistance</b>    | 50 mΩ                       |
| <b>Dielectric</b>            | 600V AC for 1 minutes       |
| <b>Temperature Rating</b>    | 150°C                       |
| <b>Insulation Resistance</b> | 5,000 MWΩ @ 500V DC         |
| <b>Durability</b>            | 10,000 cycles min.          |

| Lead Count | Pitch e (mm) | Package Dimensions (mm) |                     |            | Part Number         | Socket Dimensions (mm) |           |
|------------|--------------|-------------------------|---------------------|------------|---------------------|------------------------|-----------|
|            |              | Width (E1)              | Lead Tip to Tip (E) | Length (D) |                     | Length (A)             | Width (B) |
| 8          | 0.65         | 3.00                    | 4.90                | 3.00       | 656-1082211 (H)     | 18.80                  | 9.00      |
| 10         | 0.50         | 3.00                    | 4.88                | 2.97       | 656-0102211 (H)     | 24.60                  | 7.75      |
| 16         | 0.65         | 5.30                    | 7.80                | 6.20       | 656C1162211 (H)     | 22.00                  | 12.90     |
| 16         | 0.65         | 5.30                    | 7.80                | 6.20       | 656C1162211-001 (H) | 22.00                  | 12.90     |
| 20         | 0.65         | 5.30                    | 7.80                | 7.20       | 656C1202211 (H)     | 22.00                  | 14.20     |
| 20         | 0.65         | 5.30                    | 7.80                | 7.20       | 656C1202211-001 (H) | 22.00                  | 14.20     |
| 20 (depop) | 0.635        | 3.90                    | 6.00                | 8.65       | 656-4242011 (H)     | 20.10                  | 14.55     |
| 20 (depop) | 0.635        | 3.90                    | 6.00                | 8.65       | 656-4242011-001 (H) | 20.10                  | 14.55     |
| 24         | 0.65         | 5.30                    | 7.80                | 8.20       | 656C1242211 (H)     | 22.00                  | 15.50     |
| 24         | 0.65         | 5.30                    | 7.80                | 8.20       | 656C1242211-001 (H) | 22.00                  | 15.50     |
| 24         | 0.65         | 5.60                    | 7.60                | 7.80       | 656C1242211-009 (H) | 22.00                  | 15.50     |
| 24         | 0.65         | 3.90                    | 6.00                | 8.65       | * 656J1242211       | 15.00                  | 15.70     |
| 24         | 0.64         | 3.90                    | 6.00                | 8.65       | 656-4242211 (H)     | 20.10                  | 14.55     |
| 24         | 0.64         | 3.90                    | 6.00                | 8.65       | 656-4242211-001 (H) | 20.10                  | 14.55     |
| 28         | 0.65         | 6.10                    | 8.10                | 9.70       | 656S1322811 (H)     | 22.30                  | 18.10     |
| 30         | 0.50         | 4.40                    | 6.40                | 7.80       | * 656J0302212       | 14.70                  | 15.20     |
| 32         | 0.65         | 6.10                    | 8.10                | 11.00      | 656S1322211 (H)     | 22.30                  | 18.10     |
| 32         | 0.80         | 5.30                    | 7.80                | 13.60      | 656C2322211 (H)     | 22.00                  | 20.35     |
| 32 (depop) | 0.65         | 7.50                    | 10.30               | 11.10 max  | * 656L1543212       | 19.30                  | 25.00     |
| 32 (depop) | 0.65         | 7.50                    | 10.30               | 11.10 max  | * 656L1543212T      | 19.30                  | 25.00     |
| 32 (depop) | 0.65         | 7.50                    | 10.30               | 12.85 max  | * 656L1543212-002   | 19.30                  | 25.00     |
| 36 (depop) | 0.65         | 7.55                    | 10.30               | 12.79 max  | * 656L1543612       | 19.30                  | 25.00     |
| 36 (depop) | 0.65         | 7.55                    | 10.30               | 12.79 max  | * 656L1543612T      | 19.30                  | 25.00     |
| 36 (depop) | 0.80         | 7.52                    | 10.31               | 15.84 max  | 656D2443611-010 (H) | 24.40                  | 24.00     |
| 38         | 0.50         | 4.40                    | 6.40                | 9.70       | * 656J0382212       | 14.70                  | 15.20     |
| 44         | 0.80         | 7.50                    | 10.35               | 17.90      | 656D2442211 (H)     | 24.40                  | 24.00     |
| 44         | 0.80         | 7.50                    | 10.35               | 17.90      | 656D2442211-001 (H) | 24.40                  | 24.00     |
| 48 (depop) | 0.50         | 6.20                    | 8.10                | 12.70      | * 656K0564811       | 28.20                  | 20.00     |
| 52 (depop) | 0.65         | 7.50                    | 10.30               | 18.10 max  | * 656L1545212       | 19.30                  | 25.00     |
| 52 (depop) | 0.65         | 7.50                    | 10.30               | 18.10 max  | * 656L1545212T      | 19.30                  | 25.00     |
| 54         | 0.65         | 7.50                    | 10.30               | 18.00 max  | * 656L1542212       | 19.30                  | 25.00     |
| 54         | 0.65         | 7.50                    | 10.30               | 18.00 max  | * 656L1542212T      | 19.30                  | 25.00     |
| 56         | 0.50         | 6.20                    | 8.10                | 14.00      | * 656K0562211       | 28.20                  | 20.00     |
| 56         | 0.80         | 13.30                   | 16.00               | 23.85      | * 656-2562211       | 24.10                  | 28.00     |
| 60         | 0.50         | 7.46                    | 10.50               | 15.46      | * 656M0602212       | 19.50                  | 22.50     |

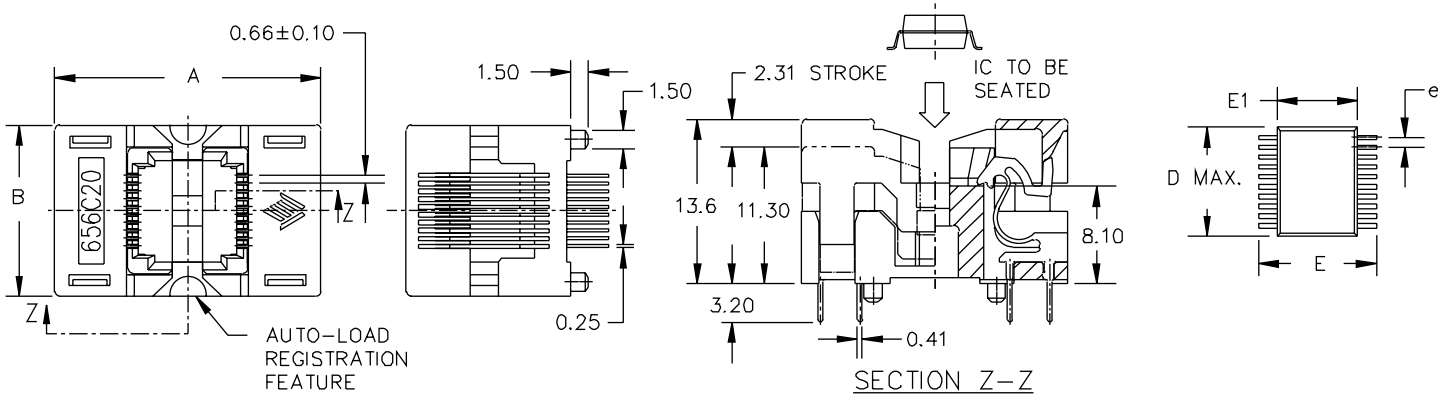
\* Dual Contact Points (compatible with Pb free packages)

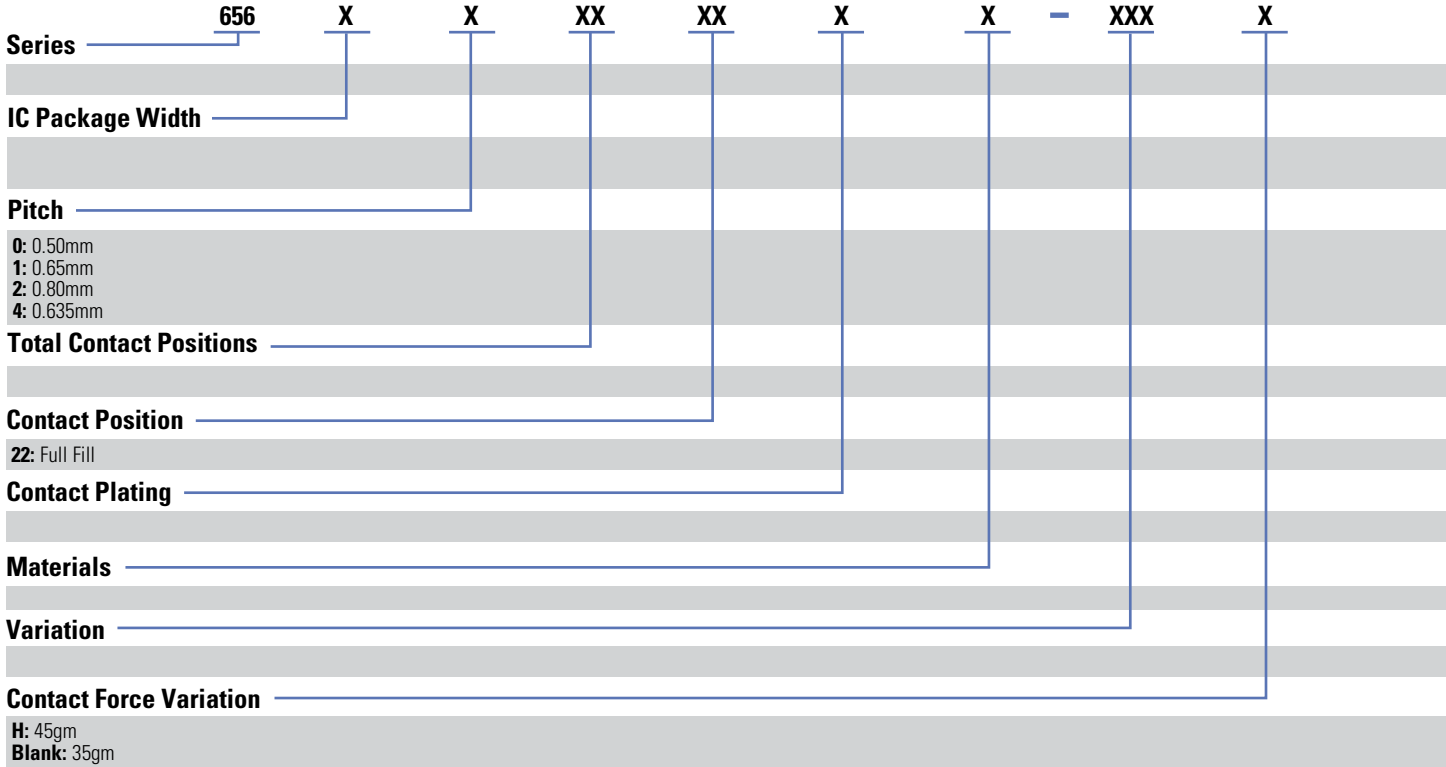
(H) Compatible with Pb free packages



# DIMENSIONS AND DIAGRAMS

Dimensions in mm





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