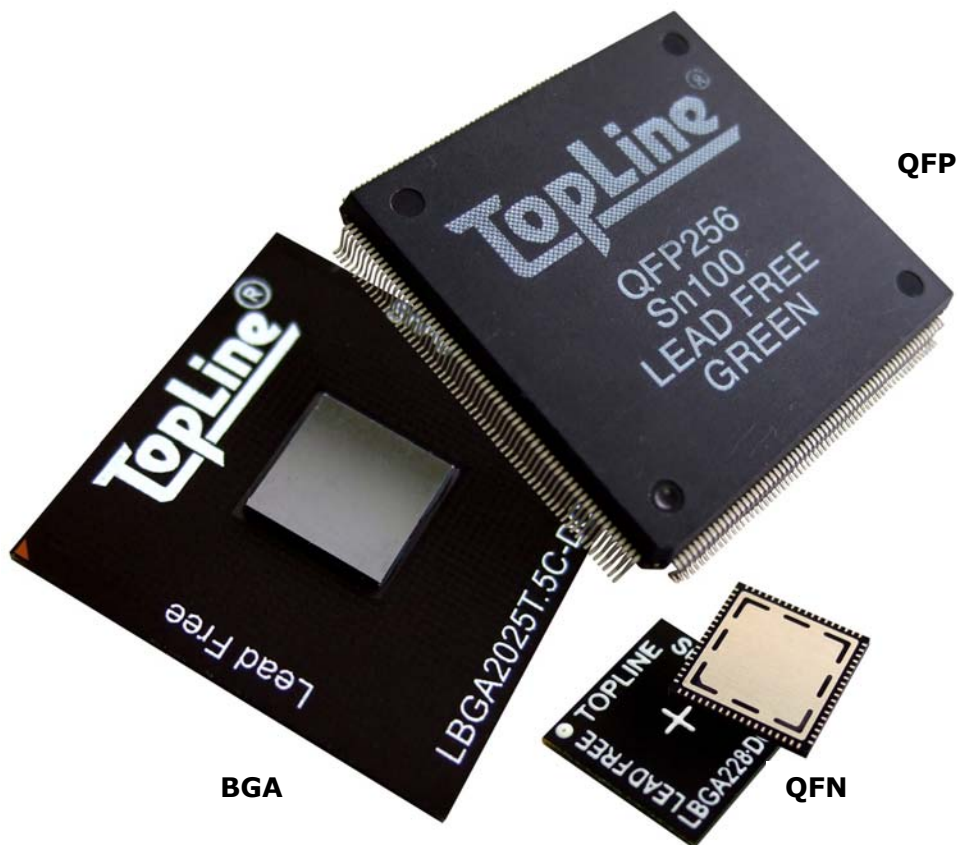




# Daisy Chain Dummy Components



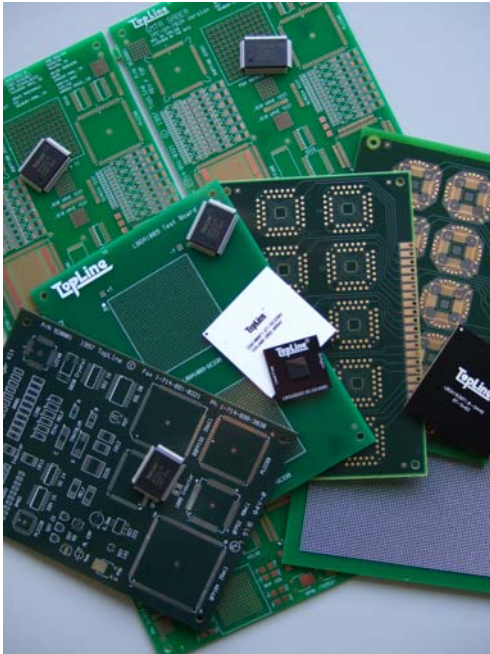
*One-stop-shop all dummy components:*

**Solder Practice** ● **Training**  
**Experiments** ● **Machine Testing**



# Daisy Chain Dummy Components

## 1000 Package Outlines In Stock



**Test Kits with PC Practice Boards**

### Applications:

- Solder Practice
- Training Experiments
- Machine Testing
- Experimentation



TopLine Corporation  
95 Highway 22 W.  
Milledgeville, GA 31061 USA

Tel 1-800-776-9888  
Email: sales@topline.tv  
www.topline.tv

| Series | Description |
|--------|-------------|
|--------|-------------|

#### Ball Array

|      |                         |
|------|-------------------------|
| BGA  | Plastic Ball Grid Array |
| CSP  | Chip Scale Package      |
| CBGA | Ceramic Ball Grid Array |
| WLP  | Wafer Level CSP         |
| LGA  | Land Grid Array         |
| FC   | Flip Chip               |

#### Quad Flat Pack

|      |                        |
|------|------------------------|
| QFP  | Quad Flat Pack         |
| TQFP | Thin Quad Flat Pack    |
| LQFP | Low Quad Flat Pack     |
| PQFP | Plastic Quad Flat Pack |
| QFN  | Quad Flat No Lead      |

#### Small Outline

|       |                           |
|-------|---------------------------|
| SOIC  | Small Outline IC          |
| SOP   | Small Outline Package     |
| SOT   | Small Outline Transistor  |
| SSOP  | Shrink Small Outline      |
| TSOP  | Thin Small Outline        |
| TSSOP | Thin Shrink Small Outline |

#### J-Lead

|      |                             |
|------|-----------------------------|
| SOJ  | J-Lead Small Outline        |
| PLCC | Plastic Leaded Chip Carrier |

#### Ceramic Packages

|         |                               |
|---------|-------------------------------|
| LCC     | Leadless Chip Carrier         |
| FP      | Flat Packs                    |
| CERQUAD | CQFP - Ceramic Quad Flat Pack |

#### Others

|             |                                      |
|-------------|--------------------------------------|
| TO          | Transistor Outline                   |
| DIP         | Dual Inline Package                  |
| TRAYS       | JEDEC Matrix Trays and Waffle Packs  |
| Chips       | 01005 to 2225 Caps, Resistors, Tant  |
| Open Cavity | M-QFN Air Cavity. Mount your own die |

#### Tools:

**QFP Lead Straightener**  
**SMT Tape Splicing System**