

# Multipurpose - ABS (1591 Series)

Plastic

Brass bushings for repetitive assembly and disassembly...

No "gate" marks on bottom...



Molded in Flame Retardant ABS

Uses machine screws into brass bushings...

Lap joint construction...

## OTHER KEY FEATURES

- Electronic instrument enclosures, designed for mounting printed circuit boards.
- Integral card guides accept 1.5 mm (0.062") P.C. cards.
- Two piece lap joint construction provides protection against access of dust and splashing water.
- Designed to meet IP54
- Molded in flame retardant ABS plastic (material carries a UL flammability rating of 94V-0).
- Lid is secured with M3 x 10 mm Philips machine screws, threaded into integral brass bushings. The black enclosure comes with black screws. All others are nickel plated.

## ACCESSORIES



### P.C. Board Card Adaptors

Allows horizontal mounting of P.C. board(s). See "Accessories Section" for full details!

- 1591Z6** - Package of 6
- 1591Z50** - Package of 50
- 1591Z100** - Package of 100



### Replacement Screws

Machine screws, nickel plated, M3 - 0.5 x 10mm

**1591MS100** - Package of 100

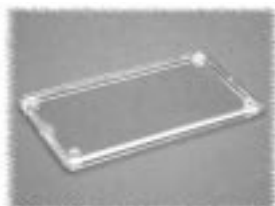
Machine screws, black, M3 - 0.5 x 10mm

**1591MS100BK** - Package of 100



### Flange Kits

Mount to either the rear (using glue) or can be attached to the lid using existing lid screws and holes. See "Accessories Section" for full details!



### Clear Lids

Stocked in prototype quantities - made of clear, flame retardant polycarbonate. Lid ONLY.

- 1591LC** - use with 1591L & M
- 1591AC** - use with 1591A
- 1591BC** - use with 1591B
- 1591CC** - use with 1591C
- 1591DC** - use with 1591D
- 1591EC** - use with 1591E
- 1591GC** - use with 1591G
- 1591HC** - use with 1591H
- 1591SC** - use with 1591S
- 1591TC** - use with 1591T
- 1591UC** - use with 1591U
- 1591VC** - use with 1591V

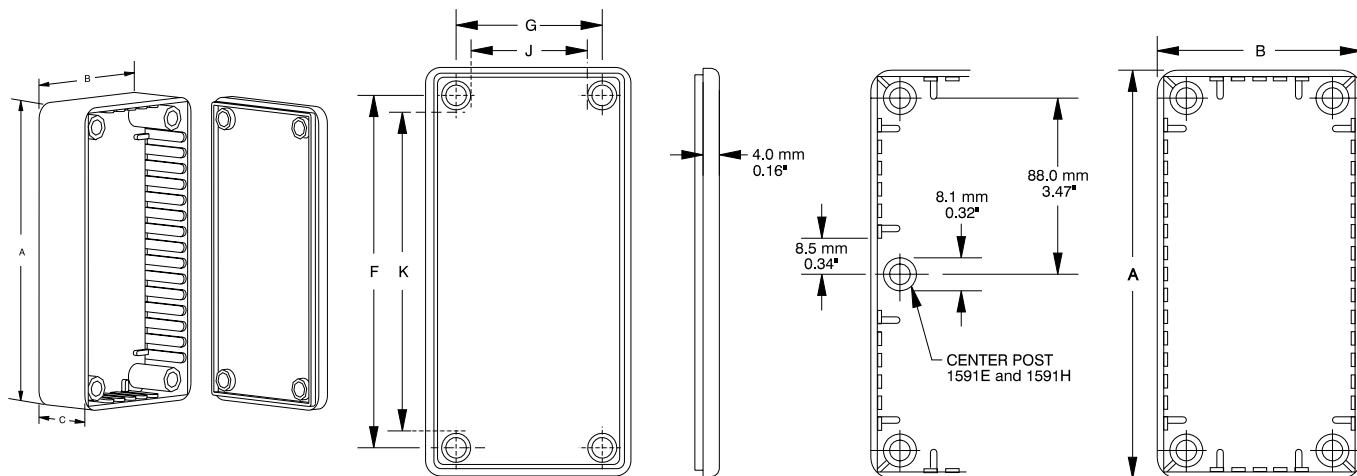


### Belt or Pocket Clip

Molded from tough nylon, includes 2 nylon screws (insulated to avoid internal interference) and mounting template.

- 1599CLIP** - Black
- 1599CLIPGY** - Grey

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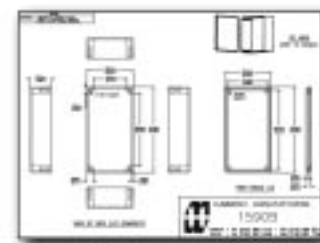
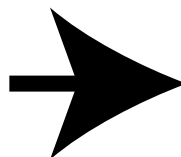
Lid (Inside & Edge View)

Top View

| Part Number |         |         |         |                | Units | Dimensions |     |            |     |     | P.C. Card Clearance |     |
|-------------|---------|---------|---------|----------------|-------|------------|-----|------------|-----|-----|---------------------|-----|
| Beige       | Black   | Blue    | Grey    | Black Shielded |       | A          | B   | C (No Lid) | F   | G   | J                   | K   |
| 1591MBG     | 1591MBK | 1591MBU | 1591MGY | 1591RMBK       | inch  | 3.3        | 2.2 | 0.8        | 2.8 | 1.7 | 1.3                 | 2.5 |
|             |         |         |         |                | mm    | 85         | 56  | 21         | 71  | 42  | 34                  | 63  |
| 1591LBG     | 1591LBK | 1591LBU | 1591LGY | 1591RLBK       | inch  | 3.3        | 2.2 | 1.4        | 2.9 | 1.7 | 1.4                 | 2.5 |
|             |         |         |         |                | mm    | 85         | 56  | 35         | 73  | 44  | 35                  | 64  |
| 1591ABG     | 1591ABK | 1591ABU | 1591AGY | 1591RABK       | inch  | 3.9        | 2.0 | 0.8        | 3.4 | 1.4 | 1.1                 | 3.1 |
|             |         |         |         |                | mm    | 100        | 50  | 21         | 86  | 36  | 29                  | 79  |
| 1591SBG     | 1591SBK | 1591SBU | 1591SGY | 1591RSBK       | inch  | 4.3        | 3.2 | 1.6        | 3.8 | 2.7 | 2.4                 | 3.5 |
|             |         |         |         |                | mm    | 110        | 82  | 40         | 98  | 70  | 61                  | 89  |
| 1591BBG     | 1591BBK | 1591BBU | 1591BGY | 1591RBBK       | inch  | 4.4        | 2.4 | 1.1        | 3.9 | 1.9 | 1.6                 | 3.5 |
|             |         |         |         |                | mm    | 112        | 62  | 27         | 98  | 48  | 41                  | 91  |
| 1591CBG     | 1591CBK | 1591CBU | 1591CGY | 1591RCBK       | inch  | 4.7        | 2.6 | 1.4        | 4.2 | 2.0 | 1.7                 | 3.9 |
|             |         |         |         |                | mm    | 120        | 65  | 36         | 106 | 51  | 44                  | 99  |
| 1591TBG     | 1591TBK | 1591TBU | 1591TGY | 1591RTBK       | inch  | 4.7        | 3.2 | 2.2        | 4.2 | 2.6 | 2.3                 | 3.9 |
|             |         |         |         |                | mm    | 120        | 80  | 55         | 106 | 66  | 59                  | 99  |
| 1591UBG     | 1591UBK | 1591UBU | 1591UGY | 1591RUBK       | inch  | 4.7        | 4.7 | 2.2        | 4.2 | 4.2 | 3.9                 | 3.9 |
|             |         |         |         |                | mm    | 120        | 120 | 55         | 106 | 106 | 99                  | 99  |
| 1591VBG     | 1591VBK | 1591VBU | 1591VGY | 1591RVBK       | inch  | 4.7        | 4.7 | 3.5        | 4.2 | 4.2 | 3.9                 | 3.9 |
|             |         |         |         |                | mm    | 120        | 120 | 90         | 106 | 106 | 99                  | 99  |
| 1591GBG     | 1591GBK | 1591GBU | 1591GGY | 1591RGBK       | inch  | 4.8        | 3.7 | 1.2        | 4.2 | 3.1 | 2.8                 | 3.9 |
|             |         |         |         |                | mm    | 121        | 94  | 30         | 106 | 79  | 73                  | 100 |
| 1591DBG     | 1591DBK | 1591DBU | 1591DGY | 1591RDBK       | inch  | 5.9        | 3.2 | 1.8        | 5.4 | 2.6 | 2.3                 | 5.0 |
|             |         |         |         |                | mm    | 150        | 80  | 46         | 136 | 66  | 59                  | 129 |
| 1591HBG     | 1591HBK | 1591HBU | 1591HGY | 1591RHBK       | inch  | 6.5        | 2.8 | 1.0        | 6.0 | 2.2 | 1.9                 | 5.6 |
|             |         |         |         |                | mm    | 165        | 71  | 25         | 153 | 56  | 50                  | 144 |
| 1591EBG     | 1591EBK | 1591EBU | 1591EGY | 1591REBK       | inch  | 7.5        | 4.3 | 2.2        | 6.9 | 3.8 | 3.5                 | 6.6 |
|             |         |         |         |                | mm    | 191        | 110 | 57         | 176 | 96  | 89                  | 170 |

**NOTES:** - Assembled height = dimension "C" + 0.16" (4.0 mm)  
- Average wall thickness: 0.06" (1.5 mm)

For detailed drawings, CAD files and color photos visit our website at:  
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