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## ABS Plastic Multipurpose Enclosures w/ Card Guides 1591 Series

Flame Retardant, General Purpose, Flanged Lid or Bottom

### Key Features



- Ideally suited for vertical mounting of printed circuit boards.
- Card guides are molded into all side walls and accept 1.5 mm (0.062") thick boards.
- Lap joint construction provides protection against access of dust and splashing water.
- Designed to meet IP54.
- Standard versions are molded from easy-to-machine flame retardant ABS plastic which carries a UL flammability rating of UL94 V-0.
- Economy versions are molded from general purpose plastic and are not flame retardant.
- On standard versions the lid is secured with M3 x 10 mm Phillips machine screws, threaded into integral brass bushings. Perfect for applications when repetitive assembly and disassembly are required.
- Economy versions are assembled with self-tapping screws into fully plastic posts.
- Black enclosures include black screws, while light gray enclosures include standard nickel finish screws.

### Alternatives

- If EMI/ RFI Shielding is required, try series **1591R**.
- If card guides are not required or horizontal mounting of printed circuit boards is preferred, try series **1591XX**.
- For transparent polycarbonate versions, try series **1591T**.



### Photo Features

1591 Series enclosures are available in two colors.

- Light Gray ("GY")
- Black ("BK")



Integral card guides accept

Available with wall mounting

Also available with an

1.5 mm (0.062") PC boards. flanges molded into the lid. accessory flange attached to the bottom.

Machine screws thread into brass bushing to attach the lid.

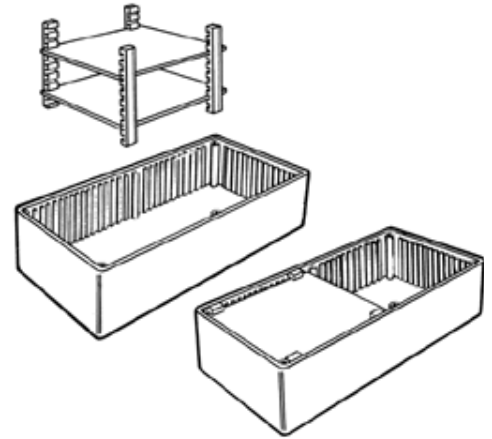
### PC Board Card Adaptors:

- Allows mounting of PC boards horizontally within the enclosure.
- Molded from Flame retardant ABS plastic

Part Number **1591Z6** - Package of 6

Part Number **1591Z50** - Package of 50

Part Number **1591Z100** - Package of 100



### Hardware:

- Replacement machine lid screws for standard flame-retardant versions are available in packs of 100: **1591MS100** (nickel plated) or **1591MS100BK** (black).
- Replacement self-tapping lid screws for economy versions are available in packs of 100: **1591TS100** (nickel plated) or **1591TS100BK** (black).

### Enclosures Without Mounting Flanges

| Flame Retardant ABS Enclosures |         | General Purpose ABS Enclosures |          | Length | Width | Depth | Clear Lid Accessory |
|--------------------------------|---------|--------------------------------|----------|--------|-------|-------|---------------------|
| Black                          | Gray    | Black                          | Gray     |        |       |       |                     |
| 1591MBK                        | 1591MGY | 1591MSBK                       | 1591MSGY | 85     | 56    | 26    | 1591LC              |
| 1591LBK                        | 1591LGY | 1591LSBK                       | 1591LSGY | 85     | 56    | 39    | 1591LC              |
| 1591ABK                        | 1591AGY | 1591ASBK                       | 1591ASGY | 100    | 50    | 25    | 1591AC              |
| 1591SBK                        | 1591SGY | 1591SSBK                       | 1591SSGY | 110    | 82    | 44    | 1591SC              |
| 1591BBK                        | 1591BGY | 1591BSBK                       | 1591BSGY | 112    | 62    | 31    | 1591BC              |
| 1591CBK                        | 1591CGY | 1591CSBK                       | 1591CSGY | 120    | 65    | 40    | 1591CC              |
| 1591TBK                        | 1591TGY | 1591TSBK                       | 1591TSGY | 120    | 80    | 59    | 1591TC              |
| 1591UBK                        | 1591UGY | 1591USBK                       | 1591USGY | 120    | 120   | 59    | 1591UC              |
| 1591VBK                        | 1591VGY | 1591VSBK                       | 1591VSGY | 120    | 120   | 94    | 1591VC              |
| 1591GBK                        | 1591GGY | 1591GSBK                       | 1591GSGY | 121    | 94    | 34    | 1591GC              |
| 1591DBK                        | 1591DGY | 1591DSBK                       | 1591DSGY | 150    | 80    | 50    | 1591DC              |
| 1591HBK                        | 1591HGY | 1591HSBK                       | 1591HSGY | 166    | 71    | 29    | 1591HC              |
| 1591EBK                        | 1591EGY | 1591ESBK                       | 1591ESGY | 190    | 111   | 61    | 1591EC              |

### Enclosures With Mounting Flanges

| Flame Retardant ABS, Flanged Lid |           | General Purpose ABS, Flanged Lid | Flame Retardant, Bottom Flange |           | General Purpose ABS, Bottom Flange |            | Length | Width | Depth | Clear Lid Accessory |
|----------------------------------|-----------|----------------------------------|--------------------------------|-----------|------------------------------------|------------|--------|-------|-------|---------------------|
| Black                            | Gray      | Black                            | Black                          | Gray      | Black                              | Gray       |        |       |       |                     |
| 1591MFLBK                        | 1591MFLGY | 1591MSFLBK                       | 1591MF2BK                      | 1591MF2GY | 1591MF2SBK                         | 1591MF2SGY | 85     | 56    | 26    | 1591LC              |
| 1591LFLBK                        | 1591LFLGY | 1591LSFLBK                       | 1591LF2BK                      | 1591LF2GY | 1591LF2SBK                         | 1591LF2SGY | 85     | 56    | 39    | 1591LC              |

| Flame Retardant ABS,<br>Flanged Lid |           | General Purpose ABS,<br>Flanged Lid |           | Flame Retardant, Bottom<br>Flange |            | General Purpose ABS, Bottom<br>Flange |           | Length | Width | Depth  | Clear Lid |
|-------------------------------------|-----------|-------------------------------------|-----------|-----------------------------------|------------|---------------------------------------|-----------|--------|-------|--------|-----------|
| Black                               | Gray      | Black                               | Black     | Gray                              | Black      | Gray                                  | Accessory |        |       |        |           |
| 1591AFLBK                           | 1591AFLGY | 1591ASFLBK                          | 1591AF2BK | 1591AF2GY                         | 1591AF2SBK | 1591AF2SGY                            | 100       | 50     | 25    | 1591AC |           |
| 1591SFLBK                           | 1591SFLGY | 1591SSFLBK                          | 1591SF2BK | 1591SF2GY                         | 1591SF2SBK | 1591SF2SGY                            | 110       | 82     | 44    | 1591SC |           |
| 1591BFLBK                           | 1591BFLGY | 1591BSFLBK                          | 1591BF2BK | 1591BF2GY                         | 1591BF2SBK | 1591BF2SGY                            | 112       | 62     | 31    | 1591BC |           |
| 1591CFLBK                           | 1591CFLGY | 1591CSFLBK                          | 1591CF2BK | 1591CF2GY                         | 1591CF2SBK | 1591CF2SGY                            | 120       | 65     | 40    | 1591CC |           |
| 1591TFLBK                           | 1591TFLGY | 1591TSFLBK                          | 1591TF2BK | 1591TF2GY                         | 1591TF2SBK | 1591TF2SGY                            | 120       | 80     | 59    | 1591TC |           |
| 1591UFLBK                           | 1591UFLGY | 1591USFLBK                          | 1591UF2BK | 1591UF2GY                         | 1591UF2SBK | 1591UF2SGY                            | 120       | 120    | 59    | 1591UC |           |
| 1591VFLBK                           | 1591VFLGY | 1591VSFLBK                          | 1591VF2BK | 1591VF2GY                         | 1591VF2SBK | 1591VF2SGY                            | 120       | 120    | 94    | 1591VC |           |
| 1591GFLBK                           | 1591GFLGY | 1591GSFLBK                          | 1591GF2BK | 1591GF2GY                         | 1591GF2SBK | 1591GF2SGY                            | 121       | 94     | 34    | 1591GC |           |
| 1591DFLBK                           | 1591DFLGY | 1591DSFLBK                          | 1591DF2BK | 1591DF2GY                         | 1591DF2SBK | 1591DF2SGY                            | 150       | 80     | 50    | 1591DC |           |
| 1591HFLBK                           | 1591HFLGY | 1591HSFLBK                          | 1591HF2BK | 1591HF2GY                         | 1591HF2SBK | 1591HF2SGY                            | 166       | 71     | 29    | 1591HC |           |
| 1591EFLBK                           | 1591EFLGY | 1591ESFLBK                          | 1591EF2BK | 1591EF2GY                         | 1591EF2SBK | 1591EF2SGY                            | 190       | 111    | 61    | 1591EC |           |

Tags: plastic, card guide, project box, ABS, PCB, flanged, bottom flange, flanged lid, multipurpose

Data subject to change without notice