











# Design Kits - Multifuse® PPTC Resettable Fuses

Bourns has a wide range of sample kits comprising of specific Multifuse® PPTC resettable fuse products. These design kits are made to help engineers easily select the best product for their application. They also come available for specific applications and markets. In order to obtain a Bourns® Design Kit please contact your [local Bourns sales office or authorized Bourns distributor](#).

| Kit Number                     | Kit Photo   | Description   | Part Numbers  |
|--------------------------------|---|---|---|
| <a href="#">MF-AUTOLAB</a>     |    | Resettable fuses for automotive applications                  | <a href="#">MF-SMHT136-2</a><br><a href="#">MF-SMHT160-2</a><br><a href="#">MF-RHT070-0</a><br><a href="#">MF-RHT450-0</a><br><a href="#">MF-RHT650-0</a><br><a href="#">MF-RHT1300-0</a><br><a href="#">MF-MSMF020-2</a><br><a href="#">MF-MSMF075/30-2</a>  |
| <a href="#">MF-BATTERYLAB</a>  |    | Resettable fuses for battery pack applications                | <a href="#">MF-LS180</a><br><a href="#">MF-S120</a><br><a href="#">MF-VS210-0</a><br><a href="#">MF-MSMF250/16X-2</a><br><a href="#">MF-LR260</a><br><a href="#">MF-LR380</a><br><a href="#">MF-LR730/20-0</a><br><a href="#">MF-LR550</a><br><a href="#">MF-LSMF300/24X-2</a><br><a href="#">MF-S420</a> |
| <a href="#">MF-DATAPORTLAB</a> |  | Resettable fuses for dataport applications                    | <a href="#">MF-NSMF150-2</a><br><a href="#">MF-MSMF110-2</a><br><a href="#">MF-SMDF050-2</a><br><a href="#">MF-SM150/33-2</a><br><a href="#">CG0603MLG-05E</a><br><a href="#">CG0603MLG-12E</a><br><a href="#">MF-MSMF250X/16-2</a><br><a href="#">MF-PSMF110X-2</a>                                      |
| <a href="#">MF-FREEX</a>       |  | Resettable fuses with freeXpansion™ design                    | <a href="#">MF-FSMF 010X-2</a><br><a href="#">MF-MSMF 110/24X-2</a><br><a href="#">MF-MSMF 150/24X-2</a><br><a href="#">MF-MSMF 250/16X-2</a><br><a href="#">MF-NSMF 035X-2</a><br><a href="#">MF-PSMF 035X-2</a><br><a href="#">MF-LSMF 185/33X-2</a><br><a href="#">MF-LSMF 300/24X-2</a>               |
| <a href="#">MF-MSMFLAB</a>     |  | 1812 (4532 metric) sized SMD models                           | <a href="#">MF-MSMF010-2</a><br><a href="#">MF-MSMF014-2</a><br><a href="#">MF-MSMF050-2</a><br><a href="#">MF-MSMF075/24-2</a><br><a href="#">MF-MSMF110/16-2</a><br><a href="#">MF-MSMF150-2</a><br><a href="#">MF-MSMF125-2</a><br><a href="#">MF-MSMF250/16X-2</a>                                    |
| <a href="#">MF-NSMFLAB</a>     |  | 1206 (3216 metric) sized SMD models                           | <a href="#">MF-NSMF012-2</a><br><a href="#">MF-NSMF020-2</a><br><a href="#">MF-NSMF035-2</a><br><a href="#">MF-NSMF050-2</a><br><a href="#">MF-NSMF075-2</a><br><a href="#">MF-NSMF150-2</a><br><a href="#">MF-NSMF200-2</a><br><a href="#">MF-NSMF110-2</a>  |
| <a href="#">MF-NSML-LAB1</a>   |  | 1206 (3216 metric) sized SMD Low Ohmic models (1.5 A - 3.8 A) | <a href="#">MF-NSML150-2</a><br><a href="#">MF-NSML175-2</a><br><a href="#">MF-NSML190-2</a><br><a href="#">MF-NSML200-2</a><br><a href="#">MF-NSML260-2</a><br><a href="#">MF-NSML300-2</a><br><a href="#">MF-NSML350-2</a><br><a href="#">MF-NSML380-2</a>  |
| <a href="#">MF-NSML-LAB2</a>   |  | 1206 (3216 metric) sized SMD Low Ohmic models (4.0 A - 6.0 A) | <a href="#">MF-NSML400-2</a><br><a href="#">MF-NSML450-2</a><br><a href="#">MF-NSML500-2</a>  |

| Kit Number                    | Kit Photo | Description  | Part Numbers   |
|-------------------------------|-----------|--|--|
|                               |           |  | <a href="#">MF-NSML550-2</a><br><a href="#">MF-NSML600-2</a>   |
| <a href="#">MF-USML-LAB1</a>  |           | 1210 (3225 metric) sized SMD Low Ohmic models (1.75 A - 3.0 A) | <a href="#">MF-USML175-2</a><br><a href="#">MF-USML190-2</a><br><a href="#">MF-USML200-2</a><br><a href="#">MF-USML230-2</a><br><a href="#">MF-USML250-2</a><br><a href="#">MF-USML270-2</a><br><a href="#">MF-USML300-2</a>   |
| <a href="#">MF-USML-LAB2</a>  |           | 1210 (3225 metric) sized SMD Low Ohmic models (3.5 A - 7.0 A)  | <a href="#">MF-USML350-2</a><br><a href="#">MF-USML380-2</a><br><a href="#">MF-USML400-2</a><br><a href="#">MF-USML450-2</a><br><a href="#">MF-USML500-2</a><br><a href="#">MF-USML600-2</a><br><a href="#">MF-USML650-2</a><br><a href="#">MF-USML700-2</a>   |
| <a href="#">MF-RLAB-H</a>     |           | Radial Leaded Through-Hole Models                              | <a href="#">MF-R135</a><br><a href="#">MF-R160</a><br><a href="#">MF-R185</a><br><a href="#">MF-R250</a><br><a href="#">MF-R300</a><br><a href="#">MF-R400</a><br><a href="#">MF-R500</a><br><a href="#">MF-R600</a><br><a href="#">MF-R700</a><br><a href="#">MF-R800</a><br><a href="#">MF-R900</a>                            |
| <a href="#">MF-RLAB-L</a>     |           | Radial Leaded Through-Hole Models                              | <a href="#">MF-R005</a><br><a href="#">MF-R010</a><br><a href="#">MF-R017</a><br><a href="#">MF-R020</a><br><a href="#">MF-R025</a><br><a href="#">MF-R030</a><br><a href="#">MF-R040</a><br><a href="#">MF-R050</a><br><a href="#">MF-R065</a><br><a href="#">MF-R075</a><br><a href="#">MF-R090</a><br><a href="#">MF-R110</a> |
| <a href="#">MF-RXLAB</a>      |           | Radial Leaded Through-Hole Models                              | <a href="#">MF-RX110</a><br><a href="#">MF-RX135</a><br><a href="#">MF-RX160</a><br><a href="#">MF-RX185</a><br><a href="#">MF-RX250</a><br><a href="#">MF-RX300</a><br><a href="#">MF-RX375</a>   |
| <a href="#">MF-SMLAB</a>      |           | Surface Mount Models   | <a href="#">MF-SM030</a><br><a href="#">MF-SM050</a><br><a href="#">MF-SM075</a><br><a href="#">MF-SM100</a><br><a href="#">MF-SM125</a><br><a href="#">MF-SM150</a><br><a href="#">MF-SM200</a><br><a href="#">MF-SM250</a><br><a href="#">MF-SM260</a>   |
| <a href="#">MF-TELECOMLAB</a> |           | Resettable fuses for telecom applications                      | <a href="#">MF-RX012/250-0</a><br><a href="#">MF-RX012/250U-0</a><br><a href="#">MF-RX014/250-0</a><br><a href="#">MF-RX014/250U-0</a><br><a href="#">MF-RX018/250-0</a><br><a href="#">MF-R015/600-0</a><br><a href="#">MF-R016/600-0</a><br><a href="#">MF-SM013/250-2</a>   |
| <a href="#">MF-USMFLAB</a>    |           | 1210 (3225/metric) sized SMD models                            | <a href="#">MF-USMF005</a><br><a href="#">MF-USMF010</a><br><a href="#">MF-USMF020</a><br><a href="#">MF-USMF035</a><br><a href="#">MF-USMF050</a><br><a href="#">MF-USMF075</a><br><a href="#">MF-USMF110</a><br><a href="#">MF-USMF150</a>   |

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