

*We did it first...we do it best!*



# Profile Selection Guide



# Fabric Over Foam



[www.schlegelemi.com](http://www.schlegelemi.com)

# Content

## Fabric-Over-Foam

|                                          |           |
|------------------------------------------|-----------|
| Reference Guide .....                    | P.1-P.2   |
| Conductive Materials Specifications..... | P.3       |
| Part Number Guide.....                   | P.4       |
| Profiles.....                            | P.5-P.12  |
| Finishing Information.....               | P.13-P.14 |
| Dynashear.....                           | P.15      |

## Conductive Tapes..... P.16-P.17

## D-Sub Connectors..... P.18-P.21



## Reference Guide: Cross-Reference Guide to EMI Shielding Gaskets

The listing below is a numerical listing of the fabric-over-foam profiles. For additional product and/or ordering information, please contact a Schlegel EMI representative.

| Profile | Complex Shape  | Dimensions      | Page # | Profile      | Complex Shape               | Dimensions      | Page # |
|---------|----------------|-----------------|--------|--------------|-----------------------------|-----------------|--------|
| E01     | Rectangle      | 3.0mm x 4.0mm   | 6      | E93*         | Mini-Clip                   | 2.5mm x 8.4mm   | 8      |
| E02*    | C-Fold         | 23.9mm x 14.0mm | 11     | E96          | Knife Edge                  | 2.7mm x 8.0mm   | 8      |
| E03     | Rectangle      | 1.0mm x 4.0mm   | 5      | E97*         | Rectangle                   | 1.2mm x 8.0mm   | 5      |
| E04     | D-Shape        | 4.8mm x 7.6mm   | 10     | E98          | C-Fold                      | 9.8mm x 10.7mm  | 11     |
| E05*    | Rectangle      | 7.5mm x 15.0mm  | 8      | E98(Rivets)* | C-Fold                      | 9.8mm x 10.7mm  | 11     |
| E06     | Rectangle      | 1.0mm x 7.0mm   | 5      | E99          | Rectangle                   | 1.0mm x 13.0mm  | 5      |
| E07*    | Rectangle      | 2.0mm x 41.3mm  | 6      | EA1          | D-Shape                     | 3.1mm x 6.4mm   | 10     |
| E08     | Rectangle      | 2.0mm x 10.0mm  | 6      | EA3          | D-Shape                     | 3.1mm x 3.8mm   | 10     |
| E09*    | Rectangle      | 2.0mm x 28.6mm  | 6      | EA5          | D-Shape                     | 4.0mm x 6.0mm   | 10     |
| E10     | D-Shape        | 6.4mm x 9.5mm   | 11     | EA6*         | D-Shape                     | 6.4mm x 9.5mm   | 11     |
| E11     | Rectangle      | 1.0mm x 10.0mm  | 5      | EA7*         | P-Shape                     | 11.4mm x 16.0mm | 8      |
| E12     | Rectangle      | 1.0mm x 5.0mm   | 5      | EA8*         | Rectangle                   | 1.5mm x 27.0mm  | 5      |
| E13*    | L-Shape        | 5.5mm x 12.0mm  | 8      | EA9          | T-Shape                     | 4.0mm x 6.2mm   | 12     |
| E14     | Square         | 5.1mm x 5.1mm   | 7      | EB1*         | D-Clip                      | 4.7mm x 12.2mm  | 10     |
| E16*    | C-Fold         | 18.0mm x 14.2mm | 11     | EB4          | Square                      | 4.0mm x 4.0mm   | 7      |
| E17     | D-Shape        | 1.5mm x 3.8mm   | 9      | EB5          | Rectangle                   | 1.5mm x 14.0mm  | 5      |
| E18     | Square         | 3.0mm x 3.0mm   | 6      | EB9          | Mini-Clip                   | 3.7mm x 6.5mm   | 8      |
| E19*    | Knife Edge     | 6.4mm x 19.1mm  | 8      | EC3          | C-Fold                      | 6.4mm x 7.1mm   | 11     |
| E20*    | Rectangle      | 9.5mm x 25.4mm  | 8      | EC5*         | Rectangle                   | 1.0mm x 41.3mm  | 5      |
| E21     | C-Fold         | 6.4mm x 5.9mm   | 11     | EC6*         | Rectangle                   | 3.0mm x 40.9mm  | 6      |
| E24     | Rectangle      | 2.0mm x 12.7mm  | 6      | EC7*         | Rectangle                   | 2.0mm x 7.5mm   | 6      |
| E25     | Rectangle      | 6.4mm x 12.7mm  | 7      | EC9          | Low D-Shape                 | 5.0mm x 17.2mm  | 10     |
| E26     | D-Shape        | 3.1mm x 9.1mm   | 10     | ED1*         | T-Shape                     | 4.0mm x 6.2mm   | 12     |
| E27*    | Self-Mounting  | 16.2mm x 5.8mm  | 8      | ED2*         | L-Shape                     | 5.0mm x 8.5mm   | 8      |
| E28     | Rectangle      | 3.2mm x 12.7mm  | 7      | ED3          | Rectangle                   | 2.0mm x 17.5mm  | 6      |
| E29     | Rectangle      | 1.0mm x 25.4mm  | 5      | ED4*         | T-Shape                     | 3.9mm x 6.0mm   | 12     |
| E30*    | Rectangle      | 2.0mm x 60.0mm  | 6      | ED5*         | Rectangle                   | 3.0mm x 43.0mm  | 6      |
| E31     | Knife Edge     | 2.7mm x 11.3mm  | 8      | ED7          | D-Shape                     | 2.3mm x 12.7mm  | 9      |
| E32     | C-Fold         | 17.1mm x 14.7mm | 11     | ED8*         | C-Fold                      | 11.4mm x 16.0mm | 11     |
| E35     | D-Clip         | 4.0mm x 7.4mm   | 10     | ED9          | Rectangle                   | 1.5mm x 5.0mm   | 5      |
| E36*    | Rectangle      | 25.0mm x 20.0mm | 8      | EG2          | Rectangle                   | 1.5mm x 10.0mm  | 5      |
| E37     | Rectangle      | 1.0mm x 3.0mm   | 5      | EG3*         | C-Fold                      | 9.8mm x 10.7mm  | 11     |
| E39     | Rectangle      | 1.0mm x 18.0mm  | 5      | EG4          | D-Shape                     | 3.8mm x 3.8mm   | 10     |
| E40     | C-Fold         | 10.0mm x 10.9mm | 11     | EG5          | U-Shape(Environmental Seal) | 9.5mm x 12.7mm  | 12     |
| E41*    | T-Shape        | 5.1mm x 4.8mm   | 12     | EG6*         | D-Shape                     | 1.8mm x 4.6mm   | 9      |
| E43*    | D-Clip         | 4.0mm x 7.4mm   | 10     | EG7*         | Rectangle                   | 2.0mm x 19.0mm  | 6      |
| E44*    | Rectangle      | 3.0mm x 25.4mm  | 6      | EG8          | Square                      | 8.0mm x 8.0mm   | 8      |
| E45     | D-Shape        | 2.3mm x 3.9mm   | 9      | EG9*         | Rectangle                   | 6.4mm x 41.3mm  | 7      |
| E47*    | Rectangle      | 4.6mm x 41.3mm  | 7      | EH1          | D-Shape                     | 4.0mm x 12.7mm  | 10     |
| E49*    | Square         | 17.0mm x 17.0mm | 8      | EH2          | D-Shape                     | 2.0mm x 17.1mm  | 9      |
| E50*    | D-Shape        | 4.3mm x 9.7mm   | 10     | EH3          | C-Fold                      | 8.0mm x 8.0mm   | 11     |
| E51     | Low D-Shape    | 2.0mm x 17.1mm  | 9      | EH4*         | Rectangle                   | 2.0mm x 22.0mm  | 6      |
| E52*    | Wedge          | 4.0mm x 8.2mm   | 8      | EH5          | D-Shape                     | 9.5mm x 12.7mm  | 11     |
| E53*    | T-Shape        | 7.6mm x 6.9mm   | 12     | EH6*         | Knife Edge                  | 2.7mm x 11.3mm  | 8      |
| E55*    | C-Fold         | 9.8mm x 12.2mm  | 11     | EH7          | D-Shape                     | 4.0mm x 12.7mm  | 10     |
| E56*    | C-Fold         | 6.1mm x 7.4mm   | 11     | EH8*         | T-Shape                     | 10.0mm x 10.0mm | 12     |
| E57     | D-Shape        | 2.3mm x 2.3mm   | 9      | EH9*         | C-Fold                      | 9.8mm x 10.6mm  | 11     |
| E58     | Rectangle      | 2.0mm x 21.0mm  | 6      | EJ1          | D-Shape                     | 5.5mm x 12.7mm  | 11     |
| E59     | Rectangle      | 0.5mm x 5.0mm   | 5      | EJ2          | T-Shape                     | 4.0mm x 6.2mm   | 12     |
| E60     | P-Shape        | 3.3mm x 13.2mm  | 8      | EJ4          | Rectangle                   | 6.0mm x 8.0mm   | 7      |
| E61     | Rectangle      | 1.5mm x 7.0mm   | 5      | EJ5          | D-Shape                     | 3.0mm x 12.7mm  | 10     |
| E62     | Rectangle      | 3.2mm x 9.5mm   | 6      | EJ6*         | Rectangle                   | 1.0mm x 15.0mm  | 5      |
| E63     | Square         | 9.5mm x 9.5mm   | 8      | EJ7          | Rectangle                   | 5.0mm x 9.0mm   | 7      |
| E64*    | D-Shape        | 4.7mm x 12.2mm  | 10     | EJ8          | D-Shape                     | 2.0mm x 10.0mm  | 9      |
| E65     | Rectangle      | 3.7mm x 21.0mm  | 6      | EJ9          | D-Shape                     | 2.3mm x 10.0mm  | 9      |
| E66     | Rectangle      | 6.4mm x 9.5mm   | 7      | EK1          | D-Shape                     | 2.7mm x 10.0mm  | 9      |
| E67     | Knife Edge     | 2.7mm x 11.3mm  | 8      | EK2          | D-Shape                     | 3.3mm x 10.0mm  | 10     |
| E68     | Rectangle      | 9.5mm x 12.7mm  | 8      | EK3          | D-Shape                     | 3.8mm x 10.0mm  | 10     |
| E70     | Rectangle      | 3.2mm x 6.4mm   | 6      | EK4          | D-Shape                     | 2.0mm x 12.7mm  | 9      |
| E73     | Rectangle      | 5.0mm x 8.0mm   | 7      | EK5          | D-Shape                     | 2.3mm x 12.7mm  | 9      |
| E74     | Rectangle      | 3.3mm x 4.8mm   | 7      | EK6          | D-Shape                     | 2.7mm x 12.7mm  | 9      |
| E75*    | Rectangle      | 15.9mm x 25.4mm | 8      | EK7          | D-Shape                     | 3.3mm x 12.7mm  | 10     |
| E77     | Rectangle      | 2.0mm x 7.0mm   | 6      | EK8          | D-Shape                     | 3.8mm x 12.7mm  | 10     |
| E78     | Rectangle      | 4.0mm x 15.0mm  | 7      | EK9          | D-Shape                     | 2.0mm x 6.0mm   | 9      |
| E79     | Square         | 6.0mm x 6.0mm   | 7      | UC301612*    | Wedge                       | 11.1mm x 33.3mm | 8      |
| E80     | Rectangle      | 11.5mm x 10.5mm | 8      | EM2*         | D-Shape                     | 5.0mm x 17.2mm  | 10     |
| E81     | Rectangle      | 2.0mm x 4.0mm   | 6      | EM3*         | D-Shape                     | 4.0mm x 12.7mm  | 10     |
| E83     | Rectangle      | 0.5mm x 4.0mm   | 5      | EM4*         | C-Fold                      | 9.8mm x 10.7mm  | 11     |
| E84*    | Rectangle      | 9.5mm x 20.0mm  | 8      | EM5          | D-Shape                     | 4.3mm x 9.7mm   | 10     |
| E85     | C-Fold         | 11.8mm x 10.7mm | 11     | EM6          | D-Shape                     | 3.5mm x 9.5mm   | 10     |
| E86*    | Self Mounting  | 18.8mm x 9.7mm  | 8      | EM7          | Rectangle                   | 3.2mm x 17.5mm  | 7      |
| E87     | Double D-Shape | 2.8mm x 9.7mm   | 10     | EM8*         | Rectangle                   | 3.0mm x 5.0mm   | 6      |
| E88     | Rectangle      | 0.5mm x 7.0mm   | 5      | EM9          | Rectangle                   | 3.2mm x 20.2mm  | 7      |
| E90     | D-Shape        | 3.6mm x 6.4mm   | 10     | EN1*         | Rectangle                   | 4.0mm x 10.0mm  | 7      |
| E91     | Rectangle      | 0.5mm x 10.0mm  | 5      | EN2          | Rectangle                   | 5.0mm x 5.5mm   | 7      |

These profiles are also recognized under CSA C  (Canada) and IEC 707, ISO 1210, and ISO 9773 Classifications.

\* Contact your sales or customer service representative for details, special minimum order quantity may apply.

## Reference Guide: Cross-Reference Guide to EMI Shielding Gaskets

The listing below is a numerical listing of the fabric-over-foam profiles. For additional product and/or ordering information, please contact a Schlegel EMI representative.

| Profile | Complex Shape | Dimensions      | Page # | Profile | Complex Shape | Dimensions     | Page # |
|---------|---------------|-----------------|--------|---------|---------------|----------------|--------|
| EN3     | Rectangle     | 5.5mm x 10.0mm  | 7      | EY6     | D-Shape       | 1.5mm x 17.0mm | 9      |
| EN4     | Rectangle     | 6.0mm x 6.5mm   | 7      | EY7     | D-Shape       | 2.0mm x 17.0mm | 9      |
| EN5     | Rectangle     | 6.5mm x 10.0mm  | 7      | EY8     | D-Shape       | 2.7mm x 17.0mm | 9      |
| EN6     | Rectangle     | 1.5mm x 3.8mm   | 5      | EY9     | D-Shape       | 3.3mm x 17.0mm | 10     |
| EN8     | Rectangle     | 2.0mm x 18.0mm  | 6      | E1A     | D-Shape       | 3.8mm x 17.0mm | 10     |
| EN9*    | Rectangle     | 3.2mm x 19.0mm  | 7      | E1B     | D-Shape       | 0.8mm x 6.0mm  | 5      |
| EP1     | D-Shape       | 2.3mm x 8.0mm   | 9      |         |               |                |        |
| EP2     | Rectangle     | 5.0mm x 14.5mm  | 7      |         |               |                |        |
| EP3     | Rectangle     | 6.5mm x 14.5mm  | 7      |         |               |                |        |
| EP4     | D-Shape       | 8.5mm x 10.0mm  | 11     |         |               |                |        |
| EP6     | Rectangle     | 4.0mm x 8.0mm   | 7      |         |               |                |        |
| EP7*    | C-Fold        | 11.8mm x 10.7mm | 11     |         |               |                |        |
| EP8     | Rectangle     | 5.1mm x 6.4mm   | 7      |         |               |                |        |
| EP9*    | Square        | 7.0mm x 7.0mm   | 7      |         |               |                |        |
| EQ1     | Rectangle     | 3.2mm x 9.5mm   | 6      |         |               |                |        |
| EQ2*    | T-Shape       | 4.8mm x 6.4mm   | 12     |         |               |                |        |
| EQ3     | C-Fold        | 10.7mm x 11.8mm | 11     |         |               |                |        |
| EQ4     | P-Shape       | 16.0mm x 10.0mm | 8      |         |               |                |        |
| EQ5     | T-Shape       | 15.0mm x 6.4mm  | 12     |         |               |                |        |
| EQ6     | D-Shape       | 2.3mm x 6.0mm   | 9      |         |               |                |        |
| EQ7     | D-Shape       | 2.7mm x 6.0mm   | 9      |         |               |                |        |
| EQ8     | D-Shape       | 3.3mm x 6.0mm   | 10     |         |               |                |        |
| EQ9     | D-Shape       | 3.8mm x 6.0mm   | 10     |         |               |                |        |
| ES1     | Rectangle     | 0.5mm x 6.0mm   | 5      |         |               |                |        |
| ES2     | Rectangle     | 0.5mm x 17.0mm  | 5      |         |               |                |        |
| ES3     | D-Shape       | 2.0mm x 6.0mm   | 9      |         |               |                |        |
| ES4     | D-Shape       | 2.5mm x 6.4mm   | 9      |         |               |                |        |
| ES5     | Rectangle     | 3.0mm x 7.0mm   | 6      |         |               |                |        |
| ES6     | Rectangle     | 3.0mm x 16.0mm  | 6      |         |               |                |        |
| ES7     | Rectangle     | 5.0mm x 12.0mm  | 7      |         |               |                |        |
| ES8     | Rectangle     | 6.0mm x 25.4mm  | 7      |         |               |                |        |
| ES9     | Rectangle     | 6.2mm x 22.0mm  | 7      |         |               |                |        |
| ET1     | Rectangle     | 6.2mm x 28.5mm  | 7      |         |               |                |        |
| ET2     | Bell-Shape    | 3.0mm x 8.0mm   | 8      |         |               |                |        |
| ET3     | Rectangle     | 1.0mm x 11.0mm  | 5      |         |               |                |        |
| ET4     | Rectangle     | 1.0mm x 13.6mm  | 5      |         |               |                |        |
| ET5     | Rectangle     | 1.0mm x 16.0mm  | 5      |         |               |                |        |
| ET6     | D-Shape       | 1.5mm x 6.4mm   | 9      |         |               |                |        |
| ET7     | Rectangle     | 1.5mm x 16.2mm  | 5      |         |               |                |        |
| ET8     | Rectangle     | 0.5mm x 22.5mm  | 5      |         |               |                |        |
| ET9     | D-Shape       | 2.5mm x 7.6mm   | 9      |         |               |                |        |
| EU1     | Rectangle     | 0.5mm x 15.0mm  | 5      |         |               |                |        |
| EU2     | Rectangle     | 2.0mm x 2.5mm   | 6      |         |               |                |        |
| EU4     | Rectangle     | 2.0mm x 3.0mm   | 6      |         |               |                |        |
| EU5     | Rectangle     | 3.0mm x 2.0mm   | 6      |         |               |                |        |
| EU7     | Bell-Shape    | 2.5mm x 7.6mm   | 8      |         |               |                |        |
| EU8     | D-Shape       | 2.7mm x 8.0mm   | 9      |         |               |                |        |
| EU9     | D-Shape       | 6.4mm x 6.4mm   | 11     |         |               |                |        |
| EV1     | D-Shape       | 3.3mm x 4.8mm   | 10     |         |               |                |        |
| EV2     | D-Shape       | 4.6mm x 10.2mm  | 10     |         |               |                |        |
| EV3     | D-Shape       | 2.0mm x 8.0mm   | 9      |         |               |                |        |
| EV6     | D-Shape       | 3.3mm x 8.0mm   | 10     |         |               |                |        |
| EV7     | D-Shape       | 3.8mm x 8.0mm   | 10     |         |               |                |        |
| EV8     | D-Shape       | 2.3mm x 17.0mm  | 9      |         |               |                |        |
| EV9     | Kinfe Edge    | 2.7mm x 13.3mm  | 8      |         |               |                |        |
| EW1     | D-Shape       | 1.0mm x 3.8mm   | 9      |         |               |                |        |
| EW2     | Rectangle     | 4.0mm x 6.0mm   | 7      |         |               |                |        |
| EW3     | D-Shape       | 5.8mm x 12.7mm  | 11     |         |               |                |        |
| EW4     | Rectangle     | 1.5mm x 25.4mm  | 5      |         |               |                |        |
| EW5     | Rectangle     | 0.7mm x 7.0mm   | 5      |         |               |                |        |
| EW6     | Rectangle     | 1.3mm x 22.8mm  | 5      |         |               |                |        |
| EW7     | Rectangle     | 12.7mm x 12.7mm | 8      |         |               |                |        |
| EW8     | Rectangle     | 3.0mm x 9.0mm   | 6      |         |               |                |        |
| EW9     | Rectangle     | 2.0mm x 6.0mm   | 6      |         |               |                |        |
| EX3     | Rectangle     | 1.0mm x 22.8mm  | 5      |         |               |                |        |
| EX4     | D-Shape       | 12.7mm x 12.7mm | 11     |         |               |                |        |
| EX5     | D-Shape       | 4.1mm x 14.2mm  | 10     |         |               |                |        |
| EX6     | D-Shape       | 2.5mm x 10.0mm  | 9      |         |               |                |        |
| EX7     | D-Shape       | 3.1mm x 12.7mm  | 10     |         |               |                |        |
| EX8     | Wedge         | 7.6mm x 17.8mm  | 8      |         |               |                |        |
| EY1     | D-Shape       | 2.7mm x 2.9mm   | 9      |         |               |                |        |
| EY2     | D-Shape       | 1.5mm x 12.7mm  | 9      |         |               |                |        |
| EY3     | D-Shape       | 1.5mm x 6.0mm   | 9      |         |               |                |        |
| EY4     | D-Shape       | 1.5mm x 8.0mm   | 9      |         |               |                |        |
| EY5     | D-Shape       | 1.5mm x 10.0mm  | 9      |         |               |                |        |

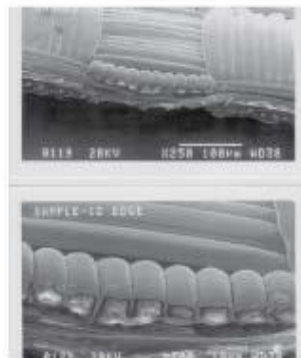
These profiles are also recognized under CSA C  (Canada) and IEC 707, ISO 1210, and ISO 9773 Classifications.

\* Contact your sales or customer service representative for details, special minimum order quantity may apply.



# SCHLEGEL CONDUCTIVE MATERIALS

## - SPECIFICATIONS



As the inventor of conductive fabrics over foam shielding gaskets in 1987, Schlegel Electronic Materials has always set the industry standard for highly flexible conductive fabrics. Over 20 years of continuous research and development on substrates, plating process and protective coatings confer today to our conductive fabrics improved shielding effectiveness, excellent environmental durability and abrasion resistance. Reference on the market, Schlegel Electronic Materials fabrics are used from grounding pads in consumer products to high frequency shielding gaskets in supercomputers. Fabric-Over-Foam technology provides continuous contact with applications which ensures consistent shielding efficiency at very high frequencies and is non-abrasive to plated and painted surfaces.

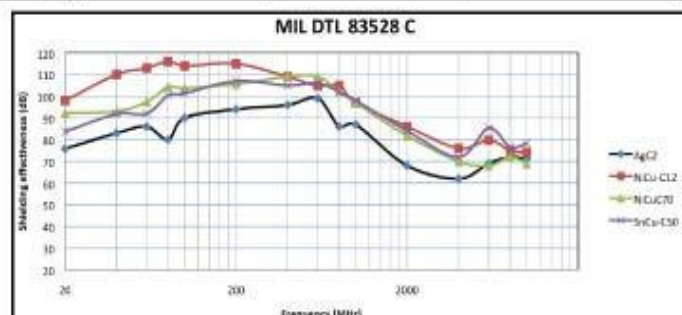
3 : NiCu-C70 : Nickel-Copper plated polyester ripstop fabric sealed with Schlegel C70 coating.

4 : NiCu-C12 : Nickel-Copper plated polyester plain weave fabric sealed with Schlegel C12 coating

7 : SnCu-C50 : Tin Copper plated nylon plain weave fabric sealed with Schlegel C50 coating

9 : Ag-C2 : Silver plated nylon ripstop fabric sealed with schlegel C2 coating

|                                              | NiCu-C70                           | NiCu-C12                           | Ag-C2                                | SnCu-C50                           |
|----------------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|
| <b>Fabric type</b>                           | PE<br>Rip-stop                     | PE<br>Plain Weave                  | PA 6<br>Rip-stop                     | PA 6<br>Plain Weave                |
| <b>Top Coating-Basis</b>                     | Acrylic                            | Acrylic                            | Urethane                             | Acrylic                            |
| <b>Surface resistivity</b>                   | 0.066 $\Omega$ /sq.                | 0.02 $\Omega$ /sq.                 | 0.5 $\Omega$ /sq.                    | 0.016 $\Omega$ /sq.                |
| <b>Shielding Effectiveness</b>               | 96 dB<br>MIL DTL 83528C            | 97.4 dB<br>MIL DTL 83528C          | 95 dB<br>MIL DTL 83528C              | 95.3 dB<br>MIL DTL 83528C          |
| <b>Contact Resistance (@1 kg load)</b>       | 0.08 $\Omega$ -inch<br>SEM LP 3001 | 0.11 $\Omega$ -inch<br>SEM LP 3001 | < 1.00 $\Omega$ -inch<br>SEM LP 3001 | 0.09 $\Omega$ -inch<br>SEM LP 3001 |
| <b>Abrasion resistance (cycles)</b>          | 1,000,000<br>ASTM D3886            | 1,000,000<br>ASTM D3886            | 800,000<br>ASTM D3886                | 1,000<br>ASTM D3884                |
| <b>Core</b>                                  | All types                          | All types                          | All types                            | EEH                                |
| <b>Compliances</b>                           | 2002/95/EC<br>(RoHs)               | 2002/95/EC<br>(RoHs)               | 2002/95/EC<br>(RoHs)                 | 2002/95/EC<br>(RoHs)               |
| <b>Galvanic compatibility (Ni,Tin,Al,Zn)</b> | SAE ARP 1481<br>classB             | SAE ARP 1481<br>classB             | SAE ARP 1481<br>classB               | SAE ARP 1481<br>classB             |



# Part Number Guide

## SCHLEGEL EMI Shielding Gaskets

**E    XX    X    X X    XXXXX**

E = EMI

SHAPE I.D.

### FOAM TYPE

- 1 = UL 94- HB recognized
- 5 = Bromine free - UL94-V0 recognized
- 6 = UL94-V0 recognized
- 7 = Ultrasoft UL94-V0 recognized (\*)
- 8 = Halogen free (IEC 61249-2-21) UL94-V0 recognized (\*)
- 9 = Poron UL94-HB recognized (\*)  
under the component program of Underwriters Laboratories, Inc. in specified claddings and thicknesses

### CONDUCTIVE FABRIC CLADDINGS

- 3 = Nickel/Copper C70 Polyester Ripstop
- 4 = Nickel/Copper C12 Polyester Plain Weave
- 7 = Tin/Copper C50 (\*)
- 9 = Silver C2 Nylon Ripstop

### FINISHING/ATTACHMENT SYSTEM

- = No Pressure-Sensitive Adhesive (PSA)
- E = Die Cut
- N = Narrow PSA
- R = PSA
- J = Rivets
- C = PSA in Center
- P = PSA on Inside Leg
- Z = Wide Release Liner\* Tape
- \*\*2Z/2R = 2 rows of PSA on same side
- A = PSA on Adjacent Side
- B = PSA on Backside
- L = PSA on Lead Edge or Opposite Seam Side
- W= Wide PSA
- K = Kiss Cut + PSA
- D = Conductive Adhesive (for mechanical issues)

### LENGTH (in inches)

(all 0's if continuous)

Examples:    04800 cut-to-length\*    48.000" [1219.0mm]  
                   00138 cut-to-length\*    01.375" [034.9mm]  
                   00152 cut-to-length\*    01.520" [038.6mm]

Think Schlegel EMI  
For Shielding.

\* New Foams and Fabrics option in limited profiles. Please consult Schlegel EMI representative for details.

\*\*If specifying 2Z or 2R, drop the first digit of the length field. I.e. 2R4800

The preceding information is believed accurate by Schlegel. In no event, however, shall Schlegel have any liability whatsoever for inaccuracies or omissions contained therein. In all cases, details and values should be verified by the customer. These products are covered by various U.S. and foreign patents.

UL is a registered trademark of Underwriters Laboratories, Inc.  
 Poron is a registered mark from Rogers Corporation



EMI Shielding Products  
**SCHLEGEL**  
 electronic materials

www.schlegelemi.com

© Schlegel Electronic Materials, Inc.



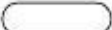
|           |                                                                                                                        |                                                                                                                        |                                                                                                                        |                                                                                                                          |                                                                                                                           |           |
|-----------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------|
| Rectangle | <b>E83</b>                                                                                                             | <b>E59</b>                                                                                                             | <b>ES1</b>                                                                                                             | <b>E88</b>                                                                                                               | <b>E91</b>                                                                                                                | Rectangle |
|           | <br>0.5mm x 4.0mm<br>.020" x .157"    | <br>0.5mm x 5.0mm<br>.020" x .197"    | <br>0.5mm x 6.0mm<br>.020" x .236"    | <br>0.5mm x 7.0mm<br>.020" x .276"     | <br>0.5mm x 10.0mm<br>.020" x .394"    |           |
|           | <b>EU1</b>                                                                                                             | <b>ES2</b>                                                                                                             | <b>ET8</b>                                                                                                             | <b>EW5</b>                                                                                                               | <b>E1B</b>                                                                                                                |           |
| Rectangle | <br>0.5mm x 15.0mm<br>.020" x .591"   | <br>0.5mm x 17.0mm<br>.020" x .669"   | <br>0.5mm x 22.5mm<br>.020" x .886"   | <br>0.7mm x 7.0mm<br>.028" x .276"    | <br>0.8mm x 6.0mm<br>.031" x .236"     | Rectangle |
|           | <b>E37</b>                                                                                                             | <b>E03</b>                                                                                                             | <b>E12</b>                                                                                                             | <b>E06</b>                                                                                                               | <b>E11</b>                                                                                                                |           |
|           | <br>1.0mm x 3.0mm<br>.039" x .118"    | <br>1.0mm x 4.0mm<br>.039" x .157"    | <br>1.0mm x 5.0mm<br>.039" x .197"    | <br>1.0mm x 7.0mm<br>.039" x .276"    | <br>1.0mm x 10.0mm<br>.039" x .394"    |           |
| Rectangle | <b>ET3</b>                                                                                                             | <b>E99</b>                                                                                                             | <b>ET4</b>                                                                                                             | <b>EJ6+</b>                                                                                                              | <b>ET5</b>                                                                                                                | Rectangle |
|           | <br>1.0mm x 11.0mm<br>.039" x .433" | <br>1.0mm x 13.0mm<br>.039" x .512" | <br>1.0mm x 13.6mm<br>.039" x .535" | <br>1.0mm x 15.0mm<br>.039" x .591"  | <br>1.0mm x 16.0mm<br>.039" x .630"  |           |
|           | <b>E39</b>                                                                                                             | <b>EX3</b>                                                                                                             | <b>E29</b>                                                                                                             | <b>EC5+</b>                                                                                                              |                                                                                                                           |           |
| Rectangle | <br>1.0mm x 18.0mm<br>.039" x .710" | <br>1.0mm x 22.8mm<br>.039" x .898" | <br>1.0mm x 25.4mm<br>.039" x 1.0"  | <br>1.0mm x 41.3mm<br>.039" x 1.627" |                                                                                                                           | Rectangle |
|           | <b>E97+</b>                                                                                                            | <b>EW6</b>                                                                                                             | <b>EN6</b>                                                                                                             | <b>ED9</b>                                                                                                               | <b>E61</b>                                                                                                                |           |
|           | <br>1.2mm x 8.0mm<br>.049" x .315"  | <br>1.3mm x 2.3mm<br>.051" x .898"  | <br>1.5mm x 3.8mm<br>.059" x .150"  | <br>1.5mm x 5.0mm<br>.059" x .197"  | <br>1.5mm x 7.0mm<br>.059" x .275"   |           |
| Rectangle | <b>EG2</b>                                                                                                             | <b>EB5</b>                                                                                                             | <b>ET7</b>                                                                                                             | <b>EW4</b>                                                                                                               | <b>EA8+</b>                                                                                                               | Rectangle |
|           | <br>1.5mm x 10.0mm<br>.059" x .390" | <br>1.5mm x 14.0mm<br>.059" x .551" | <br>1.5mm x 16.2mm<br>.059" x .638" | <br>1.5mm x 25.4mm<br>.059" x 1.000" | <br>1.5mm x 27.0mm<br>.059" x 1.063" |           |

✦ Contact your sales or customer service representative for details, special minimum order quantity may apply.

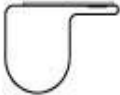
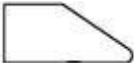
|           |                                                                                                                         |                                                                                                                          |                                                                                                                          |                                                                                                                         |                                                                                                                          |           |
|-----------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------|
| Rectangle | <b>EU2</b>                                                                                                              | <b>EU4</b>                                                                                                               | <b>E81</b>                                                                                                               | <b>EW9</b>                                                                                                              | <b>E77</b>                                                                                                               | Rectangle |
|           | <br>2.0mm x 2.5mm<br>.079" x .098"     | <br>2.0mm x 3.0mm<br>.079" x .118"      | <br>2.0mm x 4.0mm<br>.079" x .157"      | <br>2.0mm x 6.0mm<br>.079" x .236"   | <br>2.0mm x 7.0mm<br>.079" x .275"    |           |
|           | <b>EC7+</b>                                                                                                             | <b>E08</b>                                                                                                               | <b>E24</b>                                                                                                               | <b>ED3</b>                                                                                                              | <b>EN8</b>                                                                                                               |           |
| Rectangle | <br>2.0mm x 7.5mm<br>.079" x .295"     | <br>2.0mm x 10.0mm<br>.079" x .394"     | <br>2.0mm x 12.7mm<br>.079" x .500"     | <br>2.0mm x 17.5mm<br>.079" x .689"   | <br>2.0mm x 18.0mm<br>.079" x .710"   | Rectangle |
|           | <b>EG7+</b>                                                                                                             | <b>E58</b>                                                                                                               | <b>EH4+</b>                                                                                                              | <b>E09+</b>                                                                                                             |                                                                                                                          |           |
|           | <br>2.0mm x 19.0mm<br>.079" x .750"    | <br>2.0mm x 21.0mm<br>.079" x .827"     | <br>2.0mm x 22.0mm<br>.079" x .866"     | <br>2.0mm x 28.6mm<br>.079" x 1.125" |                                                                                                                          |           |
| Rectangle | <b>E07+</b>                                                                                                             | <b>E30+</b>                                                                                                              |                                                                                                                          |                                                                                                                         | <b>EU5</b>                                                                                                               | Rectangle |
|           | <br>2.0mm x 41.3mm<br>.079" x 1.625" | <br>2.0mm x 60.0mm<br>.079" x 2.362" |                                                                                                                          |                                                                                                                         | <br>3.0mm x 2.0mm<br>.118" x .079"  |           |
|           | <b>E18</b>                                                                                                              | <b>E01</b>                                                                                                               | <b>EM8</b>                                                                                                               | <b>ES5</b>                                                                                                              | <b>EW8</b>                                                                                                               |           |
| Rectangle | <br>3.0mm x 3.0mm<br>.118" x .118"   | <br>3.0mm x 4.0mm<br>.118" x .157"    | <br>3.0mm x 5.0mm<br>.118" x .197"    | <br>3.0mm x 7.0mm<br>.118" x .275" | <br>3.0mm x 9.0mm<br>.0118" x .354" | Rectangle |
|           | <b>ES6</b>                                                                                                              | <b>E44+</b>                                                                                                              | <b>EC6+</b>                                                                                                              |                                                                                                                         |                                                                                                                          |           |
|           | <br>3.0mm x 16.0mm<br>.118" x .630"  | <br>3.0mm x 25.4mm<br>.118" x 1.000"  | <br>3.0mm x 40.9mm<br>.118" x 1.610" |                                                                                                                         |                                                                                                                          |           |
| Rectangle | <b>ED5+</b>                                                                                                             |                                                                                                                          | <b>E70</b>                                                                                                               | <b>EQ1</b>                                                                                                              | <b>E62</b>                                                                                                               | Rectangle |
|           | <br>3.0mm x 43.0mm<br>.118" x 1.693" |                                                                                                                          | <br>3.2mm x 6.4mm<br>.125" x .250"    | <br>3.2mm x 9.5mm<br>.125" x .375" | <br>3.2mm x 9.5mm<br>.125" x .375"  |           |

✦ Contact your sales or customer service representative for details, special minimum order quantity may apply.



|           |                                                                                                                         |                                                                                                                         |                                                                                                                        |                                                                                                                          |                                                                                                                           |
|-----------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Rectangle | <b>E28</b>                                                                                                              | <b>EM7+</b>                                                                                                             | <b>EN9+</b>                                                                                                            | <b>EM9+</b>                                                                                                              | <b>E74</b>                                                                                                                |
|           | <br>3.2mm x 12.7mm<br>.125" x .500"    | <br>3.2mm x 17.5mm<br>.125" x .689"    | <br>3.2mm x 19.0mm<br>.125" x .750"   | <br>3.2mm x 20.2mm<br>.125" x .794"    | <br>3.3mm x 4.8mm<br>.130" x .190"     |
|           | <b>E65</b>                                                                                                              | <b>EB4</b>                                                                                                              | <b>EW2</b>                                                                                                             | <b>EP6</b>                                                                                                               | <b>EN1</b>                                                                                                                |
|           | <br>3.7mm x 21.0mm<br>.146" x .827"    | <br>4.0mm x 4.0mm<br>.157" x .157"     | <br>4.0mm x 6.0 mm<br>.157" x .236"   | <br>4.0mm x 8.0mm<br>.157" x .315"     | <br>4.0mm x 10.0mm<br>.157" x .394"    |
| Rectangle | <b>E78</b>                                                                                                              | <b>E47+</b>                                                                                                             |                                                                                                                        | <b>EN2</b>                                                                                                               | <b>E73</b>                                                                                                                |
|           | <br>4.0mm x 15.0mm<br>.157" x .591"    | <br>4.6mm x 41.3mm<br>.180" x 1.625"   |                                                                                                                        | <br>5.0mm x 5.5mm<br>.197" x .217"     | <br>5.0mm x 8.0mm<br>.197" x .315"     |
|           | <b>EJ7</b>                                                                                                              | <b>ES7</b>                                                                                                              | <b>EP2</b>                                                                                                             | <b>E14</b>                                                                                                               | <b>EP8</b>                                                                                                                |
|           | <br>5.0mm x 9.0mm<br>.197" x .354"   | <br>5.0mm x 12.0mm<br>.197" x .472"  | <br>5.0mm x 14.5mm<br>.197" x .571" | <br>5.1mm x 5.1mm<br>.200" x .200"  | <br>5.1mm x 6.4mm<br>.200" x .250"   |
| Rectangle | <b>EN3</b>                                                                                                              | <b>E79</b>                                                                                                              | <b>EN4</b>                                                                                                             | <b>EJ4</b>                                                                                                               | <b>ES8</b>                                                                                                                |
|           | <br>5.5mm x 10.0mm<br>.217" x .394"  | <br>6.0mm x 6.0mm<br>.236" x .236"   | <br>6.0mm x 6.5mm<br>.236" x .256"  | <br>6.0mm x 8.0mm<br>.236" x .315"   | <br>6.0mm x 25.4mm<br>.236" x 1.000" |
|           | <b>ES9</b>                                                                                                              | <b>ET1</b>                                                                                                              | <b>E66</b>                                                                                                             | <b>E25</b>                                                                                                               |                                                                                                                           |
|           | <br>6.2mm x 22.0mm<br>.244" x .866"  | <br>6.2mm x 28.5mm<br>.244" x 1.122" | <br>6.4mm x 9.5mm<br>.250" x .375"  | <br>6.4mm x 12.7mm<br>.250" x .500" |                                                                                                                           |
| Rectangle | <b>EG9+</b>                                                                                                             |                                                                                                                         | <b>EN5</b>                                                                                                             | <b>EP3</b>                                                                                                               | <b>EP9</b>                                                                                                                |
|           | <br>6.4mm x 41.3mm<br>.250" x 1.625" |                                                                                                                         | <br>6.5mm x 10.0mm<br>.256" x .394" | <br>6.5mm x 14.5mm<br>.256" x .571"  | <br>7.0mm x 7.0mm<br>.275" x .275"   |

♦ Contact your sales or customer service representative for details, special minimum order quantity may apply.

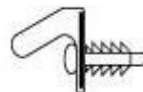
|            |                                                                                                                        |                                                                                                                        |                                                                                                                           |                                                                                                                          |                                                                                                                          |
|------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Rectangle  | <b>E05+</b>                                                                                                            | <b>EG8</b>                                                                                                             | <b>E63</b>                                                                                                                | <b>E68</b>                                                                                                               | <b>E84+</b>                                                                                                              |
|            | <br>7.5mm x 15.0mm<br>.295" x .591"   | <br>8.0mm x 8.0mm<br>.315" x .315"    | <br>9.5mm x 9.5mm<br>.375" x .375"       | <br>9.5mm x 12.7mm<br>.375" x .500"   | <br>9.5mm x 20.0mm<br>.375" x .787"   |
|            | <b>E20+</b>                                                                                                            | <b>E80</b>                                                                                                             | <b>EW7</b>                                                                                                                | <b>E75+</b>                                                                                                              |                                                                                                                          |
|            | <br>9.5mm x 25.4mm<br>.375" x 1.000"  | <br>11.5mm x 10.5mm<br>.453" x .414"  | <br>12.7mm x 12.7mm<br>.500" x .500"     | <br>15.9mm x 25.4mm<br>.625" x 1.000" |                                                                                                                          |
| P-Shape    | <b>E49+</b>                                                                                                            | <b>E36+</b>                                                                                                            | <b>E60</b>                                                                                                                | <b>EA7+</b>                                                                                                              | <b>EQ4</b>                                                                                                               |
|            | <br>17.0mm x 17.0mm<br>.669" x .669"  | <br>25.0mm x 20.0mm<br>.984" x .787"  | <br>3.3mm x 13.2mm<br>.130" x .402"      | <br>11.4mm x 16.0mm<br>.448" x .630"   | <br>16mm x 11.4mm<br>.629" x .448"    |
|            | <b>E52+</b>                                                                                                            | <b>EX8</b>                                                                                                             | <b>UC301612+</b>                                                                                                          |                                                                                                                          | <b>E96</b>                                                                                                               |
| Wedge      | <br>4.0mm x 8.2mm<br>.157" x .324"  | <br>7.6mm x 17.8mm<br>.299" x .701" | <br>11.1mm x 33.3mm<br>.436" x 1.313" |                                                                                                                          | <br>2.7mm x 8.0mm<br>.106" x .315"  |
| Mini Clip  | <b>E67</b>                                                                                                             | <b>EH6+</b>                                                                                                            | <b>E31</b>                                                                                                                | <b>EV9</b>                                                                                                               | <b>E19+</b>                                                                                                              |
|            | <br>2.7mm x 11.3mm<br>.106" x .445" | <br>2.7mm x 11.3mm<br>.106" x .445" | <br>2.7mm x 11.3mm<br>.106" x .445"    | <br>2.7mm x 13.3mm<br>.106" x .524"  | <br>6.4mm x 19.1mm<br>.250" x .750" |
|            | <b>E93+</b>                                                                                                            | <b>EB9</b>                                                                                                             | <b>E27+</b>                                                                                                               | <b>E86+</b>                                                                                                              |                                                                                                                          |
|            | <br>2.5mm x 8.4mm<br>.100" x .330"  | <br>3.7mm x 6.5mm<br>.145" x .256"  | <br>16.2mm x 5.8mm<br>.638" x .230"    | <br>18.8mm x 9.7mm<br>.740" x .380" |                                                                                                                          |
| Bell Shape | <b>EU7</b>                                                                                                             | <b>ET2</b>                                                                                                             | <b>ED2+</b>                                                                                                               | <b>E13+</b>                                                                                                              |                                                                                                                          |
|            | <br>2.5mm x 7.6mm<br>.098" x .300"  | <br>3.0mm x 8.0mm<br>.118" x .315"  | <br>5.0mm x 8.5mm<br>.197" x .335"     | <br>5.5mm x 12.0mm<br>.217" x .472" |                                                                                                                          |
|            |                                                                                                                        |                                                                                                                        |                                                                                                                           | <b>L-Shape</b>                                                                                                           |                                                                                                                          |

† Contact your sales or customer service representative for details, special minimum order quantity may apply.



|         |                                                                                                                        |                                                                                                                        |                                                                                                                        |                                                                                                                         |                                                                                                                          |         |
|---------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------|
| D-Shape | <b>EW1</b>                                                                                                             | <b>E17</b>                                                                                                             | <b>EY3</b>                                                                                                             | <b>ET6</b>                                                                                                              | <b>EY4</b>                                                                                                               | D-Shape |
|         | <br>1.0mm x 3.8mm<br>.039" x .150"    | <br>1.5mm x 3.8mm<br>.060" x .150"    | <br>1.5mm x 6.0mm<br>.059" x .236"    | <br>1.5mm x 6.4mm<br>.059" x .250"    | <br>1.5mm x 8.0mm<br>.059" x .315"    |         |
|         | <b>EY5</b>                                                                                                             | <b>EY2</b>                                                                                                             |                                                                                                                        | <b>EY6</b>                                                                                                              | <b>EG6+</b>                                                                                                              |         |
| D-Shape | <br>1.5mm x 10.0mm<br>.059" x .394"   | <br>1.5mm x 12.7mm<br>.059" x .500"   |                                                                                                                        | <br>1.5mm x 17.0mm<br>.059" x .669"   | <br>1.8mm x 4.6mm<br>.070" x .180"    |         |
|         | <b>EK9</b>                                                                                                             | <b>ES3</b>                                                                                                             | <b>EV3</b>                                                                                                             | <b>EJ8</b>                                                                                                              | <b>EK4</b>                                                                                                               |         |
|         | <br>2.0mm x 6.0mm<br>.078" x .236"    | <br>2.0mm x 6.0mm<br>.079" x .236"    | <br>2.0mm x 8.0mm<br>.079" x .315"    | <br>2.0mm x 10.0mm<br>.079" x .394"   | <br>2.0mm x 12.7mm<br>.079" x .500"   |         |
| D-Shape | <b>EY7</b>                                                                                                             | <b>E51</b>                                                                                                             | <b>EH2</b>                                                                                                             | <b>EP1</b>                                                                                                              | <b>E57</b>                                                                                                               | D-Shape |
|         | <br>2.0mm x 17.0mm<br>.079" x .669" | <br>2.0mm x 17.1mm<br>.080" x .675" | <br>2.0mm x 17.2mm<br>.080" x .675" | <br>2.3mm x 8.0mm<br>.090" x .315"  | <br>2.3mm x 2.3mm<br>.090" x .090"  |         |
|         | <b>E45</b>                                                                                                             | <b>EQ6</b>                                                                                                             | <b>EJ9</b>                                                                                                             | <b>EK5</b>                                                                                                              | <b>ED7</b>                                                                                                               |         |
| D-Shape | <br>2.3mm x 3.9mm<br>.090" x .155"  | <br>2.3mm x 6.0mm<br>.090" x .0236" | <br>2.3mm x 10.0mm<br>.090" x .394" | <br>2.3mm x 12.7mm<br>.090" x .500" | <br>2.3mm x 12.7mm<br>.090" x .500" |         |
|         | <b>EV8</b>                                                                                                             | <b>ES4</b>                                                                                                             | <b>ET9</b>                                                                                                             | <b>EX6</b>                                                                                                              | <b>EY1</b>                                                                                                               |         |
|         | <br>2.3mm x 17.0mm<br>.091" x .669" | <br>2.5mm x 6.4mm<br>.100" x .250"  | <br>2.5mm x 7.6mm<br>.100" x .300"  | <br>2.5mm x 10.0mm<br>.100" x .394" | <br>2.7mm x 2.9mm<br>.106" x .114"  |         |
| D-Shape | <b>EQ7</b>                                                                                                             | <b>EU8</b>                                                                                                             | <b>EK1</b>                                                                                                             | <b>EK6</b>                                                                                                              | <b>EY8</b>                                                                                                               |         |
|         | <br>2.7mm x 6.0mm<br>.106" x .0236" | <br>2.7mm x 8.0mm<br>.106" x .315"  | <br>2.7mm x 10.0mm<br>.106" x .394" | <br>2.7mm x 12.7mm<br>.106" x .500" | <br>2.7mm x 17.0mm<br>.106" x .669" |         |

|                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>E87</b>                                                                          | <b>EJ5</b>                                                                          | <b>EA3</b>                                                                          | <b>EA1</b>                                                                            | <b>E26</b>                                                                            |
|    |    |    |    |    |
| 2.8mm x 9.7mm<br>.110" x .380"                                                      | 3.0mm x 12.7mm<br>.118" x .500"                                                     | 3.1mm x 3.8mm<br>.120" x .150"                                                      | 3.1mm x 6.4mm<br>.120" x .250"                                                        | 3.1mm x 9.1mm<br>.120" x .360"                                                        |
| <b>EX7</b>                                                                          | <b>EQ8</b>                                                                          | <b>EV1</b>                                                                          | <b>EV6</b>                                                                            | <b>EK2</b>                                                                            |
|    |    |    |    |    |
| 3.1mm x 12.7mm<br>.122" x .500"                                                     | 3.3mm x 6.0mm<br>.129" x .0236"                                                     | 3.3mm x 4.8mm<br>.130" x .189"                                                      | 3.3mm x 8.0mm<br>.130" x .315"                                                        | 3.3mm x 10.0mm<br>.130" x .394"                                                       |
| <b>EK7</b>                                                                          | <b>EY9</b>                                                                          | <b>EM6</b>                                                                          | <b>E90</b>                                                                            | <b>EG4</b>                                                                            |
|    |    |    |    |    |
| 3.3mm x 12.7mm<br>.130" x .500"                                                     | 3.3mm x 17.0mm<br>.130" x .669"                                                     | 3.5mm x 9.5mm<br>.140" x .375"                                                      | 3.6mm x 6.4mm<br>.140" x .250"                                                        | 3.8mm x 3.8mm<br>.150" x .150"                                                        |
| <b>EQ9</b>                                                                          | <b>EV7</b>                                                                          | <b>EK3</b>                                                                          | <b>EK8</b>                                                                            | <b>E1A</b>                                                                            |
|  |  |  |  |  |
| 3.8mm x 6.0mm<br>.149" x .236"                                                      | 3.8 mm x 8.0mm<br>.150" x .315"                                                     | 3.8mm x 10.0mm<br>.150" x .394"                                                     | 3.8mm x 12.7mm<br>.150" x .500"                                                       | 3.8mm x 17.0mm<br>.149" x .669"                                                       |
| <b>EA5</b>                                                                          | <b>E35</b>                                                                          | <b>E43<sup>+</sup></b>                                                              | <b>EH1</b>                                                                            | <b>EH7</b>                                                                            |
|  |  |  |   |  |
| 4.0mm x 6.0mm<br>.156" x .236"                                                      | 4.0mm x 7.4mm<br>.156" x .292"                                                      | 4.0mm x 7.4mm<br>.156" x .292"                                                      | 4.0mm x 12.7mm<br>.157" x .500"                                                       | 4.0mm x 12.7mm<br>.157" x .500"                                                       |
| <b>EM3<sup>+</sup></b>                                                              | <b>EX5</b>                                                                          | <b>E50<sup>+</sup></b>                                                              | <b>EM5</b>                                                                            | <b>EV2</b>                                                                            |
|  |  |  |  |  |
| 4.0mm x 12.7mm<br>.157" x .500"                                                     | 4.1mm x 14.2mm<br>.161" x .559"                                                     | 4.3mm x 9.7mm<br>.170" x .380"                                                      | 4.3mm x 9.7mm<br>.170" x .380"                                                        | 4.6mm x 10.2mm<br>.181" x .402"                                                       |
| <b>E64<sup>+</sup></b>                                                              | <b>EB1<sup>+</sup></b>                                                              | <b>E04</b>                                                                          | <b>EC9</b>                                                                            | <b>EM2</b>                                                                            |
|  |  |  |   |  |
| 4.7mm x 12.2mm<br>.185" x .480"                                                     | 4.7mm x 12.2mm<br>.185" x .480"                                                     | 4.8mm x 7.6mm<br>.189" x .300"                                                      | 5.0mm x 17.2mm<br>.197" x .675"                                                       | 5.0mm x 17.2mm<br>.197" x .675"                                                       |

| D-Shape | EJ1                                                                                 | EW3                                                                                 | EU9                                                                                 | E10                                                                                   | EA6 <sup>+</sup>                                                                      |
|---------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|         |    |    |    |     |    |
|         | 5.5mm x 12.7mm<br>.217" x .500"                                                     | 5.8mm x 12.7mm<br>.228" x .500"                                                     | 6.4mm x 6.4mm<br>.252" x .254"                                                      | 6.4mm x 9.5mm<br>.250" x .375"                                                        | 6.4mm x 9.5mm<br>.250" x .375"                                                        |
|         | EP4                                                                                 | EH5                                                                                 |                                                                                     | EX4                                                                                   |                                                                                       |
| C-Fold  |    |    |                                                                                     |    |                                                                                       |
|         | 8.5mm x 10.0mm<br>.335" x .394"                                                     | 9.53mm x 12.7mm<br>.375" x .500"                                                    |                                                                                     | 12.7mm x 12.7mm<br>.500" x .500"                                                      |                                                                                       |
|         | E56 <sup>+</sup>                                                                    | E21                                                                                 | EC3                                                                                 | EH3                                                                                   | EG3 <sup>+</sup>                                                                      |
|         |    |    |    |     |    |
| C-Fold  | 6.1mm x 7.4mm<br>.240" x .292"                                                      | 6.4mm x 5.9mm<br>.250" x .234"                                                      | 6.4mm x 7.1mm<br>.250" x .280"                                                      | 8.0mm x 8.0mm<br>.315" x .315"                                                        | 9.8mm x 10.7mm<br>.385" x .420"                                                       |
|         | EM4 <sup>+</sup>                                                                    | E98                                                                                 | E98 Riveted <sup>+</sup>                                                            | EH9 <sup>+</sup>                                                                      | E55 <sup>+</sup>                                                                      |
|         |  |  |  |   |  |
|         | 9.8mm x 10.7mm<br>.385" x .420"                                                     | 9.8mm x 10.7mm<br>.385" x .420"                                                     | 9.8mm x 10.7mm<br>.385" x .420"                                                     | 9.8mm x 10.7mm<br>.385" x .420"                                                       | 9.8mm x 12.2mm<br>.385" x .480"                                                       |
| C-Fold  | E40                                                                                 | EQ3                                                                                 | ED8 <sup>+</sup>                                                                    | E85                                                                                   | EP7                                                                                   |
|         |  |  |  |   |  |
|         | 10.0mm x 10.9mm<br>.395" x .430"                                                    | 10.7mm x 11.8mm<br>.421" x .464"                                                    | 11.4mm x 16.0mm<br>.448" x .630"                                                    | 11.8mm x 10.7mm<br>.465" x .420"                                                      | 11.8mm x 10.7mm<br>.465" x .420"                                                      |
| C-Fold  | E32                                                                                 | E16 <sup>+</sup>                                                                    |                                                                                     | E02 <sup>+</sup>                                                                      |                                                                                       |
|         |  |  |                                                                                     |  |                                                                                       |
|         | 17.1mm x 14.7mm<br>.675" x .580"                                                    | 18.0mm x 142mm<br>.710" x .560"                                                     |                                                                                     | 23.9mm x 14.0mm<br>.940" x .550"                                                      |                                                                                       |



| ED4 <sup>+</sup>                                                                                                     | ED1 <sup>+</sup>                                                                                                    | EA9                                                                                                                   | EJ2                                                                                                                     | EQ2 <sup>+</sup>                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <br>3.9mm x 6.0mm<br>.152" x .235"  | <br>4.0mm x 6.2mm<br>.157" x .244" | <br>4.0mm x 6.2mm<br>.157" x .244"   | <br>4.0mm x 6.2mm<br>.157" x .244"   | <br>4.8mm x 6.4mm<br>.190" x .250" |
| E41 <sup>+</sup>                                                                                                     | E53 <sup>+</sup>                                                                                                    | EH8 <sup>+</sup>                                                                                                      | EQ5                                                                                                                     |                                                                                                                       |
| <br>5.1mm x 4.8mm<br>.200" x .190"  | <br>7.6mm x 6.9mm<br>.300" x .272" | <br>10.0mm x 10.0mm<br>.395" x .395" | <br>15.0mm x 10.0mm<br>.590" x .393" |                                                                                                                       |
| EG5                                                                                                                  |                                                                                                                     |                                                                                                                       |                                                                                                                         |                                                                                                                       |
| <br>9.5mm x 12.7mm<br>.374" x .500" |                                                                                                                     |                                                                                                                       |                                                                                                                         |                                                                                                                       |

Drawings are representative of the profile.  
Please contact your Schlegel EMI representative  
for engineering drawings.

<sup>+</sup> Contact your sales or customer service representative for details, special minimum order quantity may apply.

EMI Shielding Products



**SCHLEGEL**  
electronic materials

# Finishing Information

## Standard Pressure-Sensitive Adhesive (PSA)

Schlegel EMI gaskets come with adhesive that is made to order. This chart contains the standard PSA widths used on gaskets in the Profile Selection Guide. Other PSA widths may be requested. The Wide Release Liner™ tape option is also available for many profiles for "pick-n-place" assembly. For information on PSA options, please contact your Schlegel EMI representative.

Self-Mounting gaskets are designed to be applied without adhesives. Adhesive mounting is an option on these profiles.

For I/O information, please call your Schlegel EMI representative.

| PSA WIDTH        |              |             |             | PSA WIDTH |              |             |             |
|------------------|--------------|-------------|-------------|-----------|--------------|-------------|-------------|
| Part             | Inches       | mm          | Inches [mm] | Part      | Inches       | mm          | Inches [mm] |
| <b>Rectangle</b> |              |             |             |           |              |             |             |
| E01              | .118 x .157  | 3.0 x 4.0   | .070 [1.8]  | ED5       | .118 x 1.693 | 3.0 x 43.0  | .070 [1.8]  |
| E03              | .039 x .157  | 1.0 x 4.0   | .070 [1.8]  | ED9       | .059 x .197  | 1.5 x 5.0   | .100 [2.5]  |
| E05              | .295 x .591  | 7.5 x 15.0  | .250 [6.4]  | EG2       | .059 x .390  | 1.5 x 10.0  | .125 [3.2]  |
| E06              | .039 x .276  | 1.0 x 7.0   | .125 [3.2]  | EG7       | .079 x .750  | 2.0 x 19.0  | .125 [3.2]  |
| E07              | .079 x 1.625 | 2.0 x 41.3  | .125 [3.2]  | EG8       | .315 x .315  | 8.0 x 8.0   | .125 [3.2]  |
| E08              | .079 x .394  | 2.0 x 10.0  | .125 [3.2]  | EG9       | .250 x 1.625 | 6.4 x 41.3  | .125 [3.2]  |
| E09              | .079 x 1.125 | 2.0 x 28.6  | .125 [3.2]  | EH4       | .079 x .866  | 2.0 x 22.0  | .250 [6.4]  |
| E11              | .039 x .394  | 1.0 x 10.0  | .125 [3.2]  | EJ4       | .236 x .315  | 6.0 x 8.0   | .125 [3.2]  |
| E12              | .039 x .197  | 1.0 x 5.0   | .100 [2.5]  | EJ6       | .039 x .591  | 1.0 x 15.0  | .250 [6.4]  |
| E14              | .200 x .200  | 5.1 x 5.1   | .100 [2.5]  | EJ7       | .197 x .354  | 5.0 x 9.0   | .125 [3.2]  |
| E18              | .118 x .118  | 3.0 x 3.0   | .070 [1.8]  | EM7       | .125 x .689  | 3.2 x 17.5  | .125 [3.2]  |
| E20              | .375 x 1.000 | 9.5 x 25.4  | .500 [12.7] | EM8       | .118 x .197  | 3.0 x 5.0   | .100 [2.5]  |
| E24              | .079 x .500  | 2.0 x 12.7  | .250 [6.4]  | EM9       | .125 x .794  | 3.2 x 20.2  | .100 [2.5]  |
| E25              | .250 x .500  | 6.4 x 12.7  | .250 [6.4]  | EN1       | .157 x .394  | 4.0 x 10.0  | .188 [4.8]  |
| E28              | .125 x .500  | 3.2 x 12.7  | .250 [6.4]  | EN2       | .197 x .217  | 5.0 x 5.5   | .100 [2.5]  |
| E29              | .039 x 1.0   | 1.0 x 25.4  | .250 [6.4]  | EN3       | .217 x .394  | 5.5 x 10    | .125 [3.2]  |
| E30              | .079 x 2.362 | 2.0 x 60.0  | .125 [3.2]  | EN4       | .236 x .256  | 6.0 x 6.5   | .125 [3.2]  |
| E36              | .984 x .787  | 25.0 x 20.0 | .313 [8.0]  | EN5       | .256 x .394  | 6.5 x 10    | .125 [3.2]  |
| E37              | .039 x .118  | 1.0 x 3.0   | .070 [1.8]  | EN6       | .059 x .150  | 1.5 x 3.8   | .100 [2.5]  |
| E39              | .039 x .710  | 1.0 x 18.0  | .125 [3.2]  | EN8       | .079 x .710  | 2.0 x 18.0  | .070 [1.8]  |
| E44              | .118 x 1.000 | 3.0 x 25.4  | .500 [12.8] | EN9       | .125 x .750  | 3.2 x 19    | .100 [2.5]  |
| E47              | .180 x 1.625 | 4.6 x 41.3  | .250 [6.4]  | EP2       | .197 x .571  | 5.0 x 14.5  | .250 [6.4]  |
| E49              | .669 x .669  | 17.0 x 17.0 | .312 [7.9]  | EP3       | .256 x .571  | 6.5 x 14.5  | .250 [6.4]  |
| E58              | .079 x .827  | 2.0 x 21.0  | .125 [3.2]  | EP6       | .157 x .315  | 4.0 x 8.0   | .125 [3.2]  |
| E59              | .020 x .197  | 0.5 x 5.0   | .100 [2.5]  | EP8       | .200 x .250  | 5.1 x 6.4   | .125 [3.2]  |
| E61              | .059 x .275  | 1.5 x 7.0   | .125 [3.2]  | EP9       | .275 x .275  | 7.0 x 7.0   | .125 [3.2]  |
| E62              | .125 x .375  | 3.2 x 9.5   | .188 [4.8]  | EQ1       | .125 x .375  | 3.2 x 9.5   | .188 [4.8]  |
| E63              | .375 x .375  | 9.5 x 9.5   | .188 [4.8]  | ES1       | .020 x .236  | 0.5 x 6.0   | .100 [2.5]  |
| E65              | .146 x .827  | 3.7 x 21.0  | .125 [3.2]  | ES2       | .020 x .669  | 0.5 x 17.0  | .100 [3.2]  |
| E66              | .250 x .375  | 6.4 x 9.5   | .188 [4.8]  | ES5       | .118 x .275  | 3.0 x 7.0   | .125 [3.2]  |
| E68              | .375 x .500  | 9.5 x 12.7  | .250 [6.4]  | ES6       | .118 x .630  | 3.0 x 16.0  | .125 [2.5]  |
| E70              | .125 x .250  | 3.2 x 6.4   | .125 [3.2]  | ES7       | .197 x .472  | 5.0 x 12.0  | .250 [6.4]  |
| E73              | .197 x .315  | 5.0 x 8.0   | .125 [3.2]  | ES8       | .236 x 1.000 | 6.0 x 25.4  | .500 [12.7] |
| E74              | .130 x .190  | 3.3 x 4.8   | .100 [2.5]  | ES9       | .244 x .866  | 6.2 x 22    | .500 [12.7] |
| E75              | .625 x 1.000 | 15.9 x 25.4 | .250 [6.4]  | ET1       | .244 x 1.122 | 6.2 x 28.5  | .500 [12.7] |
| E77              | .079 x .275  | 2.0 x 7.0   | .125 [3.2]  | ET3       | .039 x .433  | 1.0 x 11.0  | .250 [6.4]  |
| E78              | .157 x .591  | 4.0 x 15.0  | .250 [6.4]  | ET4       | .039 x .535  | 1.0 x 13.6  | .250 [6.4]  |
| E79              | .236 x .236  | 6.0 x 6.0   | .125 [3.2]  | ET5       | .039 x .630  | 1.0 x 16.0  | .100 [2.5]  |
| E80              | .453 x .414  | 11.5 x 10.5 | .188 [4.8]  | ET7       | .059 x .638  | 1.5 x 16.2  | .100 [2.5]  |
| E81              | .079 x .157  | 2.0 x 4.0   | .070 [1.8]  | ET8       | .020 x .886  | 0.5 x 22.5  | .250 [6.4]  |
| E83              | .020 x .157  | 0.5 x 4.0   | .070 [1.8]  | EU1       | .020 x .591  | 0.5 x 15.0  | .070 [1.8]  |
| E84              | .375 x .787  | 9.5 x 20    | .250 [6.4]  | EU2       | .079 x .098  | 2.0 x 2.5   | .070 [1.8]  |
| E88              | .020 x .276  | 0.5 x 7.0   | .125 [3.2]  | EU4       | .079 x .118  | 2.0 x 3.0   | .070 [1.8]  |
| E91              | .020 x .394  | 0.5 x 10.0  | .125 [3.2]  | EU5       | .118 x .079  | 3.0 x 2.0   | .070 [1.8]  |
| E97              | .049 x .315  | 1.2 x 8.0   | .070 [1.8]  | EW2       | .157 x .236  | 4.0 x 6.0   | .125 [3.2]  |
| E99              | .039 x .512  | 1.0 x 13.0  | .250 [6.4]  | EW4       | .059 x 1.000 | 1.5 x 25.4  | .188 [4.8]  |
| EA8              | .059 x 1.063 | 1.5 x 27.0  | .125 [3.2]  | EW5       | .028 x .276  | 0.7 x 7.0   | .100 [2.5]  |
| EB4              | .157 x .157  | 4.0 x 4.0   | .070 [1.8]  | EW6       | .051 x .898  | 1.3 x 2.3   | .060 [1.5]  |
| EB5              | .059 x .551  | 1.5 x 14.0  | .250 [6.4]  | EW7       | .500 x .500  | 12.7 x 12.7 | .188 [4.8]  |
| EC5              | .039 x 1.627 | 1.0 x 41.3  | .250 [6.4]  | EW8       | .0118 x .354 | 3.0 x 9.0   | .160 [4.1]  |
| EC6              | .118 x 1.610 | 3.0 x 40.9  | .100 [2.5]  | EW9       | .079 x .236  | 2.0 x 6.0   | .100 [2.5]  |
| EC7              | .079 x .295  | 2.0 x 7.5   | .125 [3.2]  | EX3       | .039 x .898  | 1.0 x 22.8  | .250 [6.4]  |
| ED3              | .079 x .689  | 2.0 x 17.5  | .188 [4.8]  |           |              |             |             |

## C-Fold

|     |             |             |               |           |             |             |             |
|-----|-------------|-------------|---------------|-----------|-------------|-------------|-------------|
| E02 | .940 x .550 | 23.9 x 14.0 | .250 [6.4]    | E98+Rivet | .385 x .420 | 9.8 x 10.7  | rivet       |
| E16 | .710 x .560 | 18.0 x 14.2 | .250 [6.4]    | EC3       | .250 x .280 | 6.4 x 7.1   | .125 [3.2]  |
| E21 | .250 x .234 | 6.4 x 5.9   | .125 [3.2]    | ED8       | .448 x .630 | 11.4 x 16.0 | .250 [6.4]  |
| E32 | .675 x .580 | 17.1 x 14.7 | .250 [6.4]    | EG3       | .385 x .420 | 9.8 x 10.7  | .188 [4.8]  |
| E40 | .395 x .430 | 10.0 x 10.9 | .188 [4.8]    | EH3       | .315 x .315 | 8.0 x 8.0   | .125 [3.2]  |
| E55 | .385 x .480 | 9.8 x 12.2  | self-mounting | EH9       | .385 x .420 | 9.8 x 10.7  | .188 [4.8]  |
| E56 | .240 x .292 | 6.1 x 7.4   | self-mounting | EP7       | .465 x .420 | 11.8 x 10.7 | .188 [4.8]  |
| E85 | .465 x .420 | 11.8 x 10.7 | .188 [4.8]    | EM4       | .385 x .420 | 9.8 x 10.7  | .188 [4.8]  |
| E98 | .385 x .420 | 9.8 x 10.7  | .188 [4.8]    | EQ3       | .465 x .420 | 10.7 x 11.8 | .421 [10.7] |

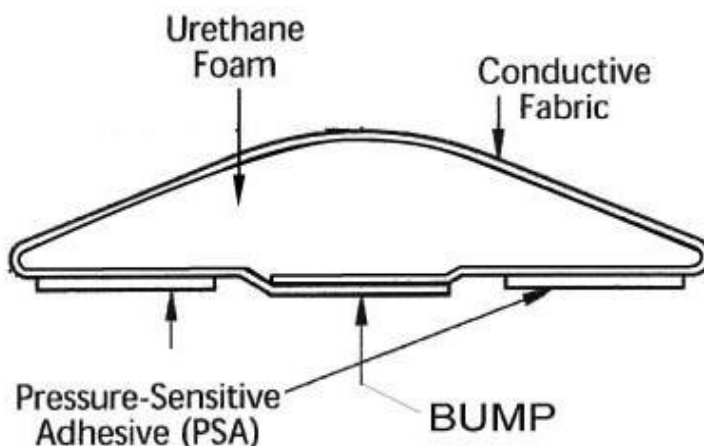


| PSA WIDTH         |             |             |               | PSA WIDTH            |              |             |               |
|-------------------|-------------|-------------|---------------|----------------------|--------------|-------------|---------------|
| Part              | Inches      | mm          | Inches [mm]   | Part                 | Inches       | mm          | Inches [mm]   |
| <b>D-Shape</b>    |             |             |               |                      |              |             |               |
| E04               | .189 x .300 | 4.8 x 7.6   | .125 [3.2]    | EM2                  | .197 x .675  | 5.0 x 17.2  | .160 [4.1]    |
| E10               | .250 x .375 | 6.4 x 9.5   | .188 [4.8]    | EM3                  | .157 x .500  | 4.0 x 12.7  | .100 [2.5]    |
| E17               | .060 x .150 | 1.5 x 3.8   | .070 [1.8]    | EM5                  | .170 x .380  | 4.3 x 9.7   | .188 [4.8]    |
| E26               | .120 x .360 | 3.1 x 9.1   | .188 [4.8]    | EM6                  | .140 x .375  | 3.5 x 9.5   | .188 [4.8]    |
| E35               | .156 x .292 | 4.0 x 7.4   | self-mounting | EP1                  | .079 x .315  | 2.0 x 8.0   | .070 [1.8]    |
| E43               | .156 x .292 | 4.0 x 7.4   | self-mounting | EP4                  | .335 x .394  | 8.5 x 10    | .188 [4.8]    |
| E45               | .090 x .155 | 2.3 x 3.9   | .070 [1.8]    | EQ6                  | .090 x .024  | 2.3 x 6.0   | .050 [1.3]    |
| E50               | .170 x .380 | 4.3 x 9.7   | .188 [4.8]    | EQ7                  | .106 x .024  | 2.7 x 6.0   | .050 [1.3]    |
| E51               | .080 x .675 | 2.0 x 17.1  | .160 [4.1]    | EQ8                  | .129 x .024  | 3.3 x 6.0   | .050 [1.3]    |
| E57               | .090 x .090 | 2.3 x 2.3   | .070 [1.8]    | EQ9                  | .149 x .236  | 3.8 x 6.0   | .050 [1.3]    |
| E64               | .185 x .480 | 4.7 x 12.2  | self-mounting | ES3                  | .079 x .236  | 2.0 x 6.0   | .125 [3.2]    |
| E87               | .110 x .380 | 2.8 x 9.7   | .188 [4.8]    | ES4                  | .100 x .250  | 2.5 x 6.4   | .125 [3.2]    |
| E90               | .140 x .250 | 3.6 x 6.4   | .125 [3.2]    | ET6                  | .059 x .250  | 1.5 x 6.4   | .125 [3.2]    |
| EA1               | .120 x .250 | 3.1 x 6.4   | .125 [3.2]    | ET9                  | .100 x .300  | 2.5 x 7.6   | .070 [1.8]    |
| EA3               | .120 x .150 | 3.1 x 3.8   | .070 [1.8]    | EU8                  | .100 x .315  | 2.5 x 8.0   | .100 [2.5]    |
| EA5               | .156 x .236 | 4.0 x 6.0   | .125 [3.2]    | EU9                  | .252 x .254  | 6.4 x 6.4   | .125 [3.2]    |
| EA6               | .250 x .375 | 6.4 x 9.5   | .188 [4.8]    | EV1                  | .130 x .189  | 3.3 x 4.8   | .070 [1.8]    |
| EB1               | .185 x .480 | 4.7 x 12.2  | self-mounting | EV2                  | .181 x .402  | 4.6 x 10.2  | .188 [4.8]    |
| EC9               | .197 x .675 | 5.0 x 17.2  | .160 [4.1]    | EV3                  | .079 x .315  | 2.0 x 8.0   | .070 [1.8]    |
| ED7               | .080 x .500 | 2.3 x 12.7  | .125 [3.2]    | EV6                  | .130 x .315  | 3.3 x 8.0   | .070 [1.8]    |
| EG4               | .150 x .150 | 3.8 x 3.8   | .070 [1.8]    | EV7                  | .150 x .315  | 3.8 x 8.0   | .070 [1.8]    |
| EG6               | .070 x .180 | 1.8 x 4.6   | .100 [2.5]    | EV8                  | .091 x .669  | 2.3 x 17.0  | .160 [4.1]    |
| EH1               | .157 x .500 | 4.0 x 12.7  | .100 [2.5]    | EW1                  | .039 x .150  | 1.0 x 3.8   | .070 [1.8]    |
| EH2               | .080 x .675 | 2.0 x 17.2  | .160 [4.1]    | EW3                  | .228 x .500  | 5.8 x 12.7  | .100 [2.5]    |
| EH5               | .375 x .500 | 9.53 x 12.7 | .250 [6.4]    | EX4                  | .500 x .500  | 12.7 x 12.7 | .250 [6.4]    |
| EH7               | .157 x .500 | 4.0 x 12.7  | .100 [2.5]    | EX5                  | .161 x .559  | 4.1 x 14.2  | .100 [2.5]    |
| EJ1               | .217 x .500 | 5.5 x 12.7  | .100 [2.5]    | EX6                  | .100 x .394  | 2.5 x 10.0  | .100 [2.5]    |
| EJ5               | .118 x .500 | 3.0 x 12.7  | .100 [2.5]    | EX7                  | .122 x .500  | 3.1 x 12.7  | .100 [2.5]    |
| EJ8               | .079 x .394 | 2.0 x 10.0  | .100 [2.5]    | EY1                  | .106 x .114  | 2.7 x 2.9   | .070 [1.8]    |
| EJ9               | .090 x .394 | 2.3 x 10.0  | .100 [2.5]    | EY2                  | .059 x .500  | 1.5 x 12.7  | .100 [2.5]    |
| EK1               | .106 x .394 | 2.7 x 10.0  | .100 [2.5]    | EY3                  | .059 x .236  | 1.5 x 6.0   | .350 [1.3]    |
| EK2               | .130 x .394 | 3.3 x 10.0  | .100 [2.5]    | EY4                  | .059 x .315  | 1.5 x 8.0   | .070 [1.8]    |
| EK3               | .150 x .394 | 3.8 x 10.0  | .100 [2.5]    | EY5                  | .059 x .394  | 1.5 x 10.0  | .098 [2.5]    |
| EK4               | .079 x .500 | 2.0 x 12.7  | .100 [2.5]    | EY6                  | .059 x .669  | 1.5 x 17.0  | .160 [4.1]    |
| EK5               | .090 x .500 | 2.3 x 12.7  | .100 [2.5]    | EY7                  | .079 x .669  | 2.0 x 17.0  | .160 [4.1]    |
| EK6               | .106 x .500 | 2.7 x 12.7  | .100 [2.5]    | EY8                  | .106 x .669  | 2.7 x 17.0  | .160 [4.1]    |
| EK7               | .130 x .500 | 3.3 x 12.7  | .100 [2.5]    | EY9                  | .130 x .669  | 3.3 x 17.0  | .160 [4.1]    |
| EK8               | .150 x .500 | 3.8 x 12.7  | .100 [2.5]    | E1A                  | .149 x .669  | 3.8 x 17.0  | .160 [4.1]    |
| EK9               | .078 x .236 | 2.0 x 6.0   | .100 [2.5]    | E1B                  | .031 x .236  | 0.8 x 6.0   | .125 [3.2]    |
| <b>T-Shape</b>    |             |             |               |                      |              |             |               |
| E41               | .200 x .190 | 5.1 x 4.8   | .125 [3.2]    | ED4                  | .152 x .235  | 3.9 x 6.0   | .125 [3.2]    |
| E53               | .300 x .272 | 7.6 x 6.9   | .188 [4.8]    | EH8                  | .395 x .395  | 10.0 x 10.0 | .188 [4.8]    |
| EA9               | .157 x .244 | 4.0 x 6.2   | .125 [3.2]    | EJ2                  | .157 x .244  | 4.0 x 6.2   | .100 [2.5]    |
| ED1               | .157 x .244 | 4.0 x 6.2   | .125 [3.2]    | EQ5                  | .590 x .393  | 15.0 x 10.0 | NC NC         |
| EQ2               | .190 x .250 | 4.8 x 6.4   | .100 [2.5]    |                      |              |             |               |
| <b>L-Shape</b>    |             |             |               | <b>Knife Edge</b>    |              |             |               |
| E13               | .217 x .472 | 5.5 x 12.0  | .188 [4.8]    | E19                  | .250 x .750  | 6.4 x 19.1  | .250 [6.4]    |
| ED2               | .197 x .335 | 5.0 x 8.5   | .160 [4.1]    | E31                  | .106 x .445  | 2.7 x 11.3  | .188 [4.8]    |
|                   |             |             |               | E67                  | .106 x .445  | 2.7 x 11.3  | .250 [6.4]    |
|                   |             |             |               | E96                  | .106 x .315  | 2.7 x 8.0   | .100 [2.5]    |
|                   |             |             |               | EH6                  | .106 x .445  | 2.7 x 11.3  | .188 [4.8]    |
|                   |             |             |               | EV9                  | .106 x .524  | 2.7 x 13.3  | .250 [6.4]    |
| <b>P-Shape</b>    |             |             |               | <b>Self-Mounting</b> |              |             |               |
| E60               | .130 x .402 | 3.3 x 13.2  | .250 [6.4]    | E27                  | .638 x .230  | 16.2 x 5.8  | self-mounting |
| EA7               | .448 x .630 | 11.4 x 16.0 | .312 [7.9]    | E86                  | .740 x .380  | 18.8 x 9.7  | self-mounting |
| EQ4               | .448 x .630 | 16 x 16.0   | .312 [7.9]    |                      |              |             |               |
| <b>Mini Clip</b>  |             |             |               | <b>U-Shape</b>       |              |             |               |
| E93               | .100 x .330 | 2.5 x 8.4   | self-mounting | EC2                  | .354 x .433  | 9.0 x 11.0  | .125 [3.2]    |
| EB9               | .145 x .256 | 3.7 x 6.5   | self-mounting | EG5                  | .374 x .500  | 9.5 x 12.7  | .250 [6.4]    |
| <b>Bell Shape</b> |             |             |               | <b>Wedge</b>         |              |             |               |
| EU7               | .098 x .300 | 2.5 x 7.6   | .070 [1.8]    | E52                  | .157 x .324  | 4.0 x 8.2   | .125 [3.2]    |
| ET2               | .118 x .315 | 3.0 x 8.0   | .070 [1.8]    | UC301612             | .436 x 1.313 | 11.1 x 33.3 | none          |
|                   |             |             |               | EX8                  | .299 x .701  | 7.6 x 17.8  | .100 [2.5]    |



## DYNASHEAR™

Schlegel Electronic Materials introduces DYNASHEAR™ : an innovative EMI shielding gasket family for the shielding of modules in card/ cages environment that is able to offer superior features over metal fingerstocks and current Fabric-over-Foam gaskets. DYNASHEAR™ utilizes the, now famous and efficient , bump technology.



### DYNASHEAR™ Currently Features:

- High level of shielding effectiveness even when submitted to large compression variations.
- Excellent compression load/deflection ratio due to a low memory ultra-soft foam formulation.
- Highly flexible abrasion resistant conductive fabrics.

| Height<br>Width | 1.5mm       | 2.0mm       | 2.3mm       | 2.7mm       | 3.3mm       | 3.8mm       |
|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 6mm             | EY37n2Zxxxx | EK97n2Zxxxx | EQ67n2Zxxxx | EQ77n2Zxxxx | EQ87n2Zxxxx | EQ97n2Zxxxx |
| 8mm             | EY47n2Zxxxx | EV37n2Zxxxx | EP17n2Zxxxx | EU87n2Zxxxx | EV67n2Zxxxx | EV77n2Zxxxx |
| 10mm            | EY57n2Zxxxx | EJ87n2Zxxxx | EJ97n2Zxxxx | EK17n2Zxxxx | EK27n2Zxxxx | EK37n2Zxxxx |
| 12.7mm          | EY27n2Zxxxx | EK47n2Zxxxx | EK57n2Zxxxx | EK67n2Zxxxx | EK77n2Zxxxx | EK87n2Zxxxx |
| 17 mm           | EY67n2Zxxxx | EY77n2Zxxxx | EV87n2Zxxxx | EY87n2Zxxxx | EY97n2Zxxxx | E1A7n2Zxxxx |

n: specifies the fabric type (3: NiCu-C70 , 4: NiCu-C12) xxxx: specifies length in the form xx.xx"

Standard parts supplied with wide release liner ,PSA : 2 strips of adhesive is standard

Standard Height for untaped and uncompressed parts.

# Schlegel EMI Conductive Tapes

MORE FLEXIBILITY, HIGHER CONDUCTIVITY, AND EASIER INSTALLATION

Schlegel EMI's expanded line of Conductive Tapes meets the customer needs for flexibility, higher conductivity, and easier installation. Schlegel EMI Conductive Tapes feature superior shear strength, 7.6 kPa (72+hours @ 1.1 psi ) in accordance to (PSTC #7) ASTM D 3654, and peel strength, from 10.2 N/2.5cm (36.07 oz/inch width ) to 20.3N/2.5cm. (71.8 oz/inch width) in accordance to (PSTC#1) ASTM D 3330, when compared to other EMI shielding tapes. This is made possible by a unique, cross-linking acrylic based, conductive Pressure Sensitive Adhesive (PSA) that also allows the tapes to be designed into higher temperature applications. Low temp application is possible down to 10°F (-12°C), and excessive pressure is not required for application to the end unit. We also have PSA that are fire-rated to UL 510. There is now an easy-to-apply tape to fit most every EMI shielding design need.

## Conductive Silver Tape(CST)

HIGHER CONDUCTIVITY WITHOUT THE SHARP EDGES

The foundation of Schlegel EMI's tape products is Conductive Silver Fabric Tape. CST offers superb conductivity and ease of installation for a wide range of applications. The smooth, soft-edged tape will not crack after repeated flexing, or cause injuries. Schlegel EMI CST achieves total coverage, even on irregular surfaces and experiences no significant shrinkage at temperatures up to 180°C (356°F). A unique, conductive Pressure Sensitive Adhesive(PSA) allows the tapes to be designed into higher temperature applications. The PSA is fire rate to UL 510, and excessive pressure is not required for application to the end unit.

CST tape has an average shielding effectiveness of 70 dB in the range of 20 MHz to 10 GHz. CST's protective C2 coating lowers the cathodic potential of the silver to make it galvanically compatible with a variety of EMI gaskets and cabinet surfaces. A superior alternative to sharp, non-conforming foil tapes, Schlegel EMI's lightweight Conductive Silver Tape is ideal for grounding and for sealing small apertures in frames. It achieves total coverage, and experiences no significant shrinkage at temperatures up to 180°C (356°F).

For assemblers, the CST's soft fabric is safe and easy to work with, and it stays firmly in place with Schlegel EMI's strong, high-tack conductive adhesive. The conductive fabric base also allows the tape to be custom-cut in virtually any unique shape with simple, inexpensive tooling.

Shielding Effectiveness  
(MIL-STD-285modified):

| Frequency | Attenuation |
|-----------|-------------|
| 100 MHz   | 79 db       |
| 400 MHz   | 64 db       |
| 1 GHz     | 68 db       |



### Sizes

| Tape Width      | Tape Length           | Part Number |
|-----------------|-----------------------|-------------|
| 0.315" (8mm)    | 18 yard (16.45m) roll | 5941-0031-0 |
| 0.500" (12.7mm) | 18 yard (16.45m) roll | 5941-0050-6 |
| 0.788" (20mm)   | 18 yard (16.45m) roll | 5941-0079-8 |
| 1.000" (25.4mm) | 18 yard (16.45m) roll | 5941-0100-3 |
| 1.118" (30mm)   | 18 yard (16.45m) roll | 5941-0118-2 |
| 2.000" (50.8mm) | 18 yard (16.45m) roll | 5941-0200-5 |

### Specifications

- Fabric: Silver woven nylon ripstop fabric with C2 anti-corrosion coating
- Adhesive: High-tack, conductive adhesive system
- Surface Resistivity: less than 0.5 Test Method: ASTM F390 modified
- Volume Resistance: 0.20 -cm Test Method: LP 3007
- Low Temperature Application: 40°F (4°C)
- Abrasion Resistance: No change in surface resistivity and no fabric degradation after more than 800,000 wear cycles
- Shrinkage: <4% at 180°C (356°F) temperature
- Peel Strength Test Method ASTM D3330  
45.80 oz per inch (1.62g per mm) @ 1 hour dwell initial  
47.47 oz per inch (1.67g per mm) @ 24 hour dwell initial



## Conductive Mask & Peel Tape(CMP)

### SHIELD ENCLOSURES SAFELY AND EFFICIENTLY

Schlegel EMI's Conductive Mask & Peel (CMP) tape simplifies the manufacture of painted enclosures. CMP is constructed of impenetrable, heat-release mask, highly conductive nickel copper fabric and strong high-tack, conductive adhesive, which secures the tape to the metal for superior EMI shielding. The tape employs Press, Paint, and Peel application and provides total coverage. The CMP tape's volume resistance is in the range of 0.8  $\Omega$ -cm [average]. When CMP is used with Schlegel Electronic Materials EMI shielding gaskets, a highly conductive pathway is obtained, and provides excellent galvanic capability between mating surfaces. Typical applications include large cabinets, factory automation equipment and data storage units.

Press, Paint and Peel application is simple, safe, and secure. The operator removes the release liner from the back of the fabric tape and applies it to the prepared bare metal surface. No sharp edges exist that could lead to injuries. The 2-mil polyimide mask prevents infiltration of paint during the spraying or powder-coat process. Enclosures with CMP can be baked at temperatures up to 180°C (356°F) for up to 30 minutes. The low-tack mask releases during baking so it can easily be removed to reveal the highly conductive fabric surface.

#### Sizes

| Tape Width       | Tape Length         | Part Number |
|------------------|---------------------|-------------|
| 0.320" (8.0 mm)  | 36 yard (33m) rolls | 5935-0031-4 |
| 0.500" (12.7 mm) | 36 yard (33m) rolls | 5935-0050-0 |
| 0.790" (20.0 mm) | 36 yard (33m) rolls | 5935-0079-4 |
| 1.000" (25.4 mm) | 36 yard (33m) rolls | 5935-0100-7 |
| 1.118" (30.0 mm) | 36 yard (33m) rolls | 5935-0118-8 |
| 1.157" (40.0 mm) | 36 yard (33m) rolls | 5935-0157-6 |
| 2.000" (50.8 mm) | 36 yard (33m) rolls | 5935-0200-9 |
| 2.500" (63.5 mm) | 36 yard (33m) rolls | 5935-0250-4 |

Shielding Effectiveness  
(MIL-STD-285modified):

| Frequency | Attenuation |
|-----------|-------------|
| 100 MHz   | 96 db       |
| 400 MHz   | 87 db       |
| 1 GHz     | 84 db       |



#### Specifications

- Fabric: Woven copper nickel fabric
- Adhesive: High-tack, aggressive conductive adhesive system
- Removable Mask: 2-mil thick removable polyimide liner
- Volume Resistance: 0.8  $\Omega$ -cm [average] Test method: LP-3007
- Abrasion Resistance: No change in surface resistivity after more than 100,000 wear cycles. Test method: ASTM D3886
- Shrinkage: <1% @ 180°C (356°F) for 30 minutes. Test Method: LP-3012
- Peel Strength: 50 oz. Per inch minimum initial. Test Method: ASTM D3330

## Conductive NiCu Fabric Tape(CFT)

Schlegel EMI's CFT is made from the same woven copper nickel fabric as its CMP and has the same conductive and galvanic capabilities. The nickel copper fabric, along with Schlegel EMI's aggressive high temperature resistant conductive PSA, is designed specifically for applications that do not require a mask, i.e., cabinets that are not going to be painted or powder coated.

Shielding Effectiveness  
(MIL-STD-285modified):

| Frequency | Attenuation |
|-----------|-------------|
| 100 MHz   | 96 db       |
| 400 MHz   | 87 db       |
| 1 GHz     | 84 db       |



#### Sizes

| Tape Width       | Tape Length         | Part Number |
|------------------|---------------------|-------------|
| 0.320" (8.0 mm)  | 36 yard (33m) rolls | 5927-0031-0 |
| 0.500" (12.7 mm) | 36 yard (33m) rolls | 5927-0050-6 |
| 0.790" (20.0 mm) | 36 yard (33m) rolls | 5927-0079-2 |
| 1.000" (25.4 mm) | 36 yard (33m) rolls | 5927-0100-3 |
| 1.118" (30.0 mm) | 36 yard (33m) rolls | 5927-0118-8 |
| 1.157" (40.0 mm) | 36 yard (33m) rolls | 5927-0157-2 |
| 2.000" (50.8 mm) | 36 yard (33m) rolls | 5927-0200-5 |

#### Specifications

- Fabric: Woven copper nickel fabric
- Adhesive: High-tack, aggressive conductive adhesive system
- Volume Resistance: 0.8  $\Omega$ -cm [average]. Test method: LP-3007
- Abrasion Resistance: No change in surface resistivity after more than 100,000 wear cycles. Test method: LP-3012
- Peel Strength: 50 oz. Per inch minimum initial. Test Method: ASTM D3330



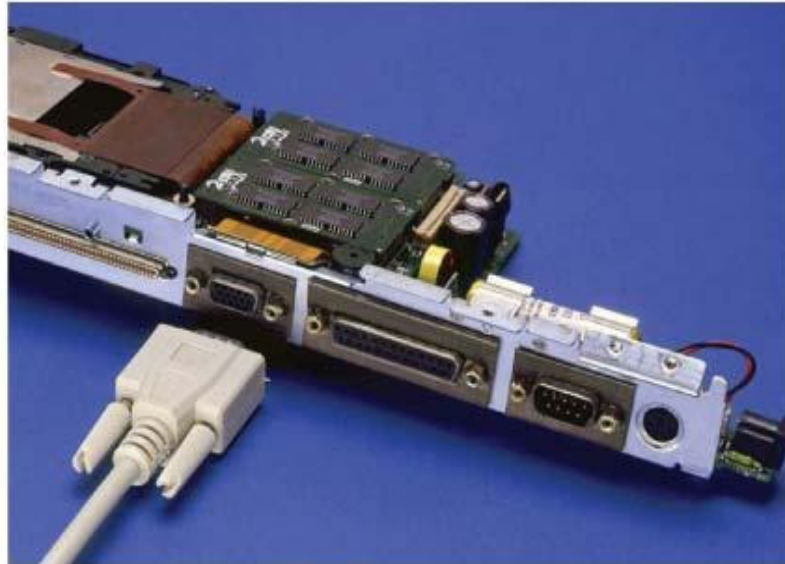
# EMI Shielding For D-SUB Connectors

## I/O SHIELDING FOR ALL STANDARD SIZES.

Sized to fit standard D-Subminiature connectors, installation-friendly SCHLEGEL EMI shielding gaskets enhance the performance of EMI shielding for I/O backplanes. Made of highly conductive fabric clad foam, Schlegel's I/O EMI shielding gaskets provide multiple contact points to maintain conductivity and compensate for tolerance stackup. Pressure-sensitive adhesive is available, but not usually required for installation. There is no need to contend with shard-edged metal shields – simply slip the gaskets over the connector and secure.

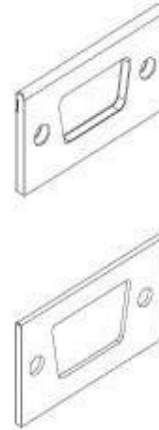
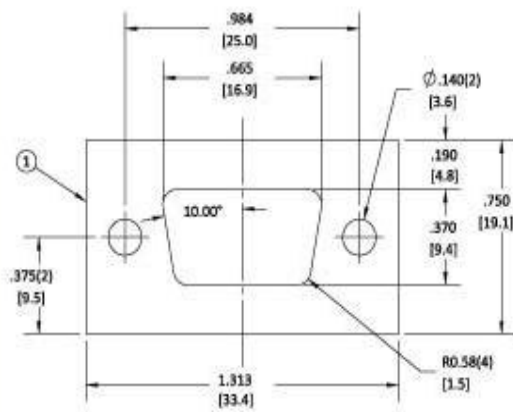
With no tooling costs, easy installation, and off-the-shelf availability, these gaskets are a simple and efficient solution to I/O EMI shielding.

Available D-SUB connector EMI shielding gaskets include:

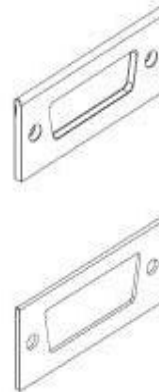
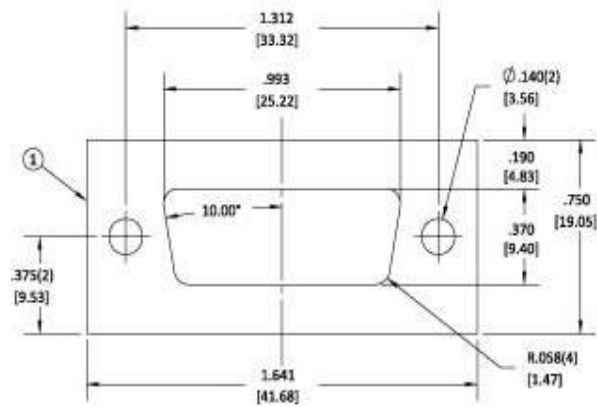


| P/N                                                           | TYPE  | Pin | Thickness    |
|---------------------------------------------------------------|-------|-----|--------------|
| E29XYG-0131                                                   | D-SUB | 9   | 0.04" (1 mm) |
| E58XYG-0131                                                   | D-SUB | 9   | 0.08" (2 mm) |
| E29XYG-0164                                                   | D-SUB | 15  | 0.04" (1 mm) |
| E58XYG-0164                                                   | D-SUB | 15  | 0.08" (2 mm) |
| E29XYG-0219                                                   | D-SUB | 25  | 0.04" (1 mm) |
| E58XYG-0219                                                   | D-SUB | 25  | 0.08" (2 mm) |
| E29XYG-0283                                                   | D-SUB | 37  | 0.04" (1 mm) |
| E58XYG-0283                                                   | D-SUB | 37  | 0.08" (2 mm) |
| E29XYG-0274                                                   | D-SUB | 50  | 0.04" (1 mm) |
| E58XYG-0274                                                   | D-SUB | 50  | 0.08" (2 mm) |
| X: Foam type ( 1: UL94-HB, 5: UL94-V0 , 7: UL94-V0 Ultrasoft) |       |     |              |
| Y: fabric (3: NiCu-C70, 4: NiCu-C12 , 9: AgC2)                |       |     |              |

## 9 Pin

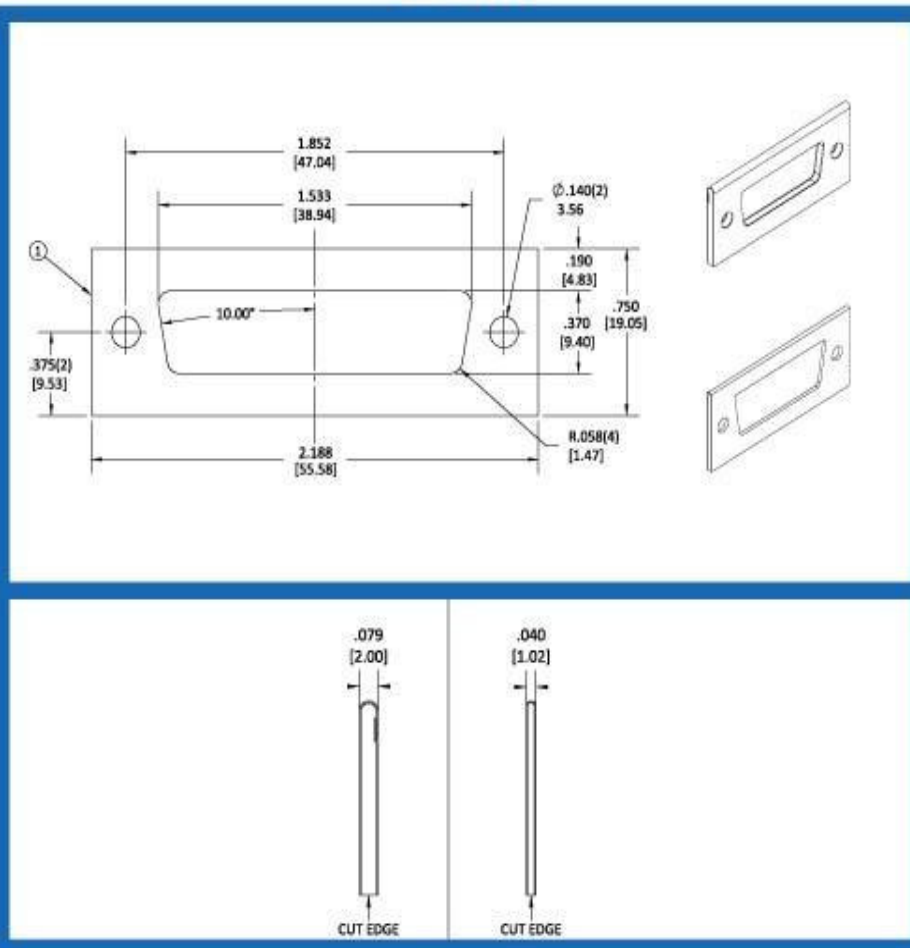


## 15 Pin

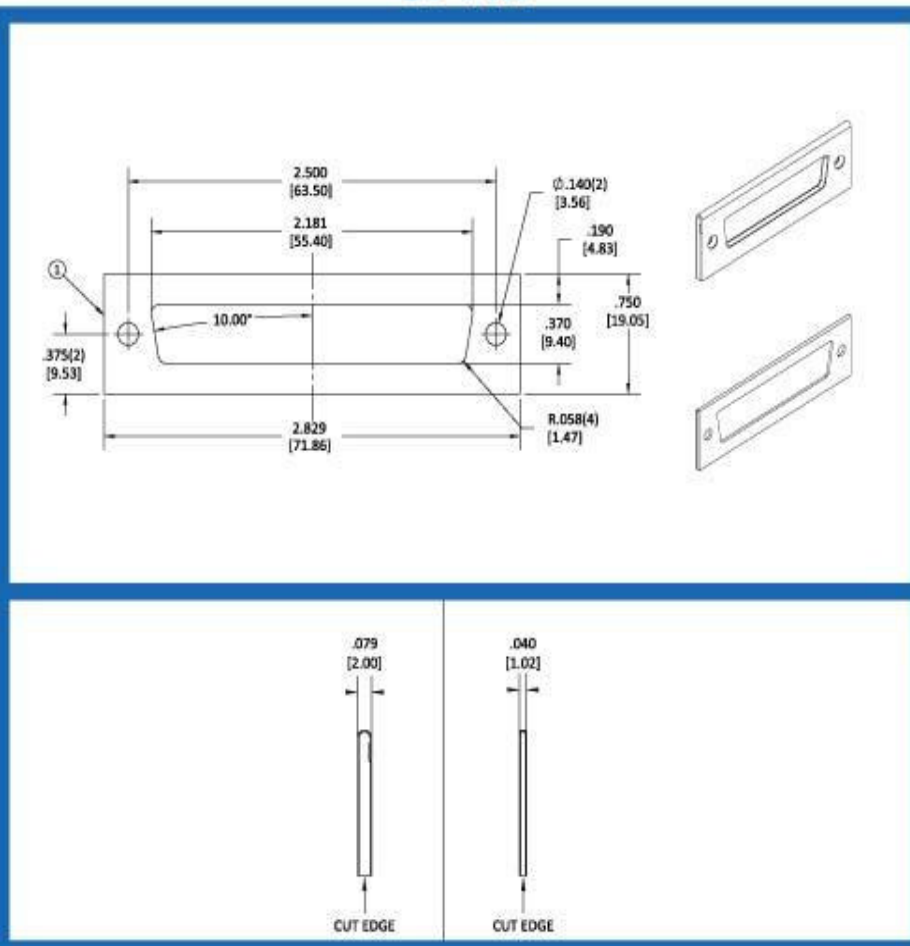




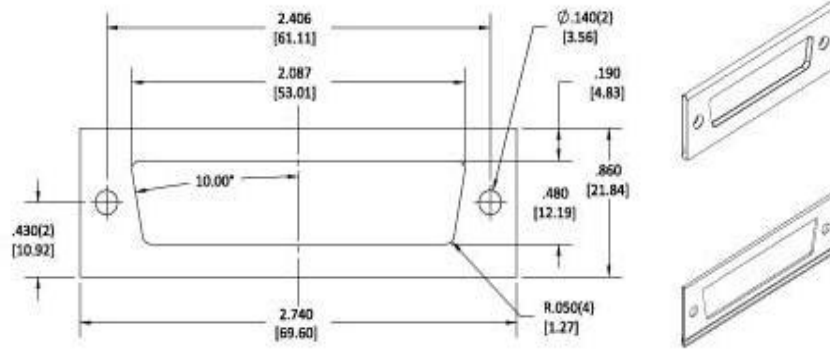
## 25 Pin



## 37 Pin



## 50 Pin



.079  
[2.00]



CUT EDGE

.040  
[1.02]



CUT EDGE



**DEFINING EMI SOLUTIONS**  
[www.schlegelemi.com](http://www.schlegelemi.com)

**NORTH AMERICA**

**Schlegel Electronic Materials, Inc.**  
806 Linden Avenue, Suite 100  
Rochester, NY 14625, USA  
Tel No: +1-585-643 2000  
Fax No: +1 585-427 7216

**EUROPE**

**Schlegel Electronic Materials, bvba**  
Slijpesteenweg 28  
8432 Middelkerke (Leffinge)  
Belgium  
Tel No: +32-59-560 270  
Fax No: +32-59-560 271

**ASIA**

**Schlegel Electronic Materials (Far East) Limited**  
Unit 3, 3/F, Block A, New Trade Plaza,  
6 On Ping Street, Shatin, N.T., Hong Kong.  
Tel No: +852-2686 9872  
Fax No: +852-2686 9728

**Schlegel Electronic Materials (Dongguan) Limited**  
No. 8 Qiaoxin Road, Qiaotou, Dongguan,  
Guangdong, P.R. China  
Postal Code: 523525  
Tel No: +86-769-8356 5686  
Fax No: +86-769-8334 5656

**Schlegel Electronic Materials (Dongguan) Limited -  
Shanghai Office**  
3/F, East, No.4 Unit, 56 Meisheng Road,  
Waigaoqiao P.T.Z., Pudong, Shanghai  
Postal Code: 200131  
Tel No: +86-21-5868 3383  
Fax No: +86-21-5868 3386