



### Description:

SPI's LF Series Lead Free Area Dissipative Two-Layer Rubber provides an effective ESD worksurface anywhere electrostatic charges are a problem. Excellent for use in assembly operations where matting may come in contact with hot soldering iron tips or solder splashes.

Matting is easily grounded with the use of a Common Point Ground Cord. All mats are easily maintained and should be regularly cleaned using SPI's Resque 2 Worksurface Cleaner.

Green color can be used to designate lead-free area of factory.

### Specifications:

Resistance Top to Top (RTT): 10EG - 10E8 Ohms, per ESD S4.1

Resistance Top to Ground point (RTG): 10E6 - 10E8 Ohms, per ESD STM S4.1

Thickness: 0.060" tolerance ± .010"

Color: Green

### Standards:

- Meets the recommended technical range of ANSI/ESD S20.20, ESD S4.1, EIA 625, MIL- HDBK - 263 and MIL-STD-1686.

### Features:

- Compatible with constant monitors
- Good electrical performance
- Chemical and heat resistant
- Bottom conductive layer

#### Disclaimer:

All statements, technical data, and recommendations contained herein are based upon tests we believe to be reliable. However, the accuracy or completeness thereof is not guaranteed. The proper and correct applications of products and data is the responsibility of the user. Statements or recommendations not contained herein shall have no force or effect unless embodied in a written agreement signed by authorized offers of Desco Industries, Inc.

#### RoHS Compliance Statement

None of the following materials are intentionally added in manufacturing this product: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) as outlined in the Directive 2002/95/EC Article 4.1. See Desco Industries Inc. letter on-line at [SPIWestek.com](http://SPIWestek.com).

*See reverse side for available mat and roll sizes.*

### LF Series Lead-Free Area Dissipative Two-Layer Rubber

**ESD SYSTEMS.com**

ESD SYSTEMS.COM  
432 NORTHBORO ROAD CENTRAL  
MARLBORO, MA 01752 USA  
TEL. (508) 485-7390 FAX (508) 480-0257



Visit our online  
library of Tech Drawings:  
[ESDSYSTEMS.com](http://ESDSYSTEMS.com)

**DRAWING NUMBER**  
LF Series

**DATE:**  
December  
2008

**Item Number Reference For LF Series Lead-Free Area Dissipative Two-Layer Rubber**

# KITS

**MAT TOP KIT INCLUDES**  
One installed 10mm Female snap

**Mat Top Kit Item Numbers**

| SIZE      | GREEN |
|-----------|-------|
| 24" x 36" | 96260 |
| 24" x 48" | 96261 |
| 24" x 60" | 96262 |
| 24" x 72" | 96263 |
| 30" x 48" | 96264 |



For best results use 95329  
Common Point Ground Cord



# ROLL STOCK



LF Series  
Is Also  
Available In  
Full  
Rolls

**Roll Stock Item Numbers**

| SIZE      | GREEN |
|-----------|-------|
| 24" x 50' | 96270 |
| 30" x 50' | 96271 |
| 36" x 50' | 96272 |
| 48" x 50' | 96273 |

Hardware is not included  
with rolls.

**Grounding Intervals for ESD Mats**

Sufficient ground cords should be used to reliably meet ANSI/ESD S20.20 Table 1 less than 1 x 10E9 ohms for worksurfaces. An industry recommendation has been that continuous runs of ESD matting should be grounded at ten-foot intervals to allow proper charge decay rates with each individual ESD mat should be grounded with ground snap located no further than five feet from either end.



Matting materials have a tendency to shrink slightly when first unrolled. In applications where length is critical, allow the material to relax for at least 4 hours before cutting to size. Always trim with a sharp knife or razor blade.