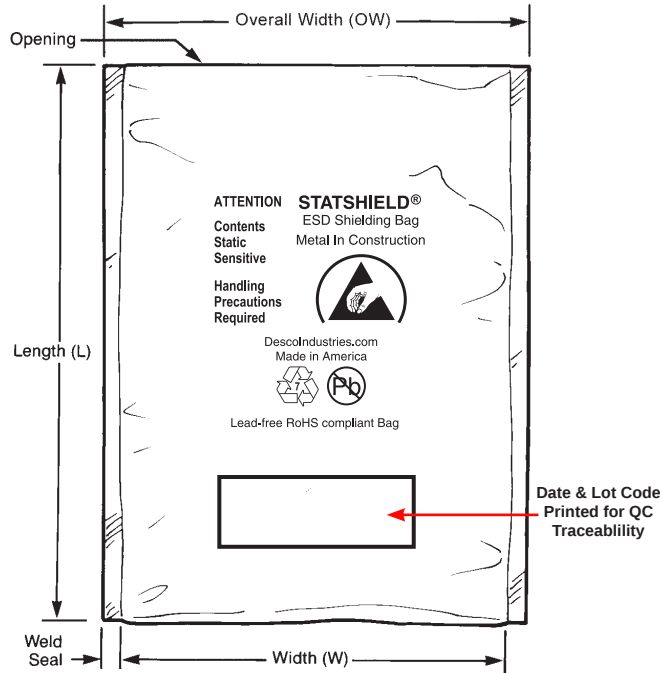


## STATSHIELD® METAL-IN BOXED SERIES

Meets the required limits of ANSI/ESD S20.20, Packaging standard ANSI/ESD S541, and Static Control Bag standard ANSI/ESD S11.4-2012 Level 3.



Side Weld Seals 3/8 in. (±0.10)

Low Charging Static  
Dissipative Proprietary  
Outer Polyester Layer

Aluminum Shielding Layer

Low Charging Static  
Dissipative Proprietary  
Inner Polyethylene Layer



### Mixed Unsortable Plastic Scrap

Mixed unsortable plastic scrap shall contain assorted plastics of multiple grades that are co-extruded, bonded or laminated together which are unsortable into individual grades

**Desco's bags are recyclable**

Statshield® bags are packaged 100 per package in an oversized shielding bag.  
See Shielding Bag Storage at [TB-7057](#).

### Specifications:

#### Electrical Properties

Surface Resistance:

Outer Surface

Inner Surface

Discharge Shielding

Charge Generation

Capacitance Probe (to dissipate 1 kV)

#### Typical Values

$1 \times 10^4$  to  $< 1 \times 10^{11}$  ohms

$1 \times 10^4$  to  $< 1 \times 10^{11}$  ohms

$< 20$  nJ

Teflon: 0.09 nC/sq. in.

Quartz: 0.01 nC/sq. in.

$< 30$  volts

#### Test Procedures/Method

ANSI/ESD STM11.11

ANSI/ESD STM11.11

ANSI/ESD STM11.31, EIA 541

Modified Incline Plane

Modified Incline Plane

ANSI/EIA-541/Appendix E, 1kV Discharge

#### Physical Properties

Bag Thickness:

Thickness

Width (Inside Dimensions)

Length (Inside Dimensions)

Light Transmission

Heat Seal

Tensile

Puncture Resistance

MVTR

Non-corrosive

Nominal 0.0030" (0.0762mm)  $\pm 10\%$  MIL-STD-3010, 1003

Nominal -0" / + 0.125"

Nominal  $\pm 0.125$ "

$> 40\%$  (Tobias)

$> 10$  lbs/in

9000 PSI

$> 10$  lbs

$< 0.40$

Pass

ASTM D-1003

375°F, 1/2 sec 60 psi

ASTM D882

MIL-STD-3010, 2065

FTMS 101C/2065

MIL-STD-3010, M3005

#### Chemical Properties

Corrosion

No effect on aluminum, copper, silver, Sn-Pb coated foil, stainless steel, low carbon steel

Polycarbonate Capability,

Yes

Bag is free of amines, N-octanoic acid, silicones and heavy metals.

#### ANSI/ESD S541 Section 6.2 Outside an EPA

"Transportation of sensitive products outside of an EPA shall require packaging that provides:

1. Low charge generation
2. Dissipative or conductive materials for intimate contact
3. A structure that provides electrostatic discharge shielding."

#### RoHS 2 and REACH Compliance Statement

None of the RoHS 2 restricted materials or REACH substances of very high concern as of 2013/06/20 are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See [Desco Limited Warranty at Desco.com](#).



\*Made in the  
United States of America

The bag's material meets the required limits of ANSI/ESD S541 per ANSI/ESD S20.20.

Statshield® and Statfree® are Registered Trademarks of Desco Industries Inc. See Bag Selection Chart Click [HERE](#).

Specifications and procedures subject to change without notice.

\*Film made in USA or Malaysia

### STATSHIELD® METAL-IN BOXED, 0.0030" (0.0762mm)

DESCO WEST: 3651 WALNUT AVE., CHINO, CA 91710 WEB SITE: [Desco.com](#)  
PHONE (909) 627-8178

DESCO EAST: ONE COLGATE WAY, CANTON, MA 02021-1407  
PHONE (781) 821-8370

**DRAWING  
NUMBER**  
13330

**DATE:**  
April  
2014

**DESCO**

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Desco:

[13330](#) [13331](#) [13332](#) [13333](#) [13334](#) [13335](#) [13336](#) [13337](#) [13338](#) [13339](#) [13340](#)