Shielding at the Source

Diverse board-level shielding solutions for all electronic applications

Leader Tech is not a one-product-fits-all company. We are innovators focused on constant improvement and refinement of proven product platforms and manufacturing methods. This allows us to deliver cost-effective shielding solutions that solve EMI problems for both current and emerging electronic applications.

From small footprints and low-profile applications to multilevel board designs, we offer a wide selection of standard, modified standard and custom board level shielding products to fit your exact specifications.

Four of the Leader Tech's most popular product lines are described below. Additionally, the product comparison chart allows for "at-a-glance" comparisons of all design options.

Leader Tech Standard CBS

Simply one of the best shields ever made.

Our standard CBS products lead the board-level shielding industry in performance, flexibility and value. The highly reliable 2-piece design (fence and cover) accommodates virtually any through-hole or surface mount application.

Multi-Cavity designs

When space, weight and costs are all design priorities.

Our flexible CBS and Slot Lok design and manufacturing processes allow engineers to effectively isolate multiple components using the same shield. The custom designed product typically incorporates multiple internal cavities that share connecting walls and a single cover. This allows for a reduction in shield weight and occupied board space.

Slot-Lok TM Shields

As close to custom as you can get...without the cost!

Slot-LokTM shields are designed and manufactured using proprietary methods that increase shield design flexibility while reducing lead time and total product cost. If you need a cost-effective shielding solution with near limitless design flexibility, Slot-LokTM is the option of choice.

Custom shielding solutions

If you can describe it, we can manufacture it.

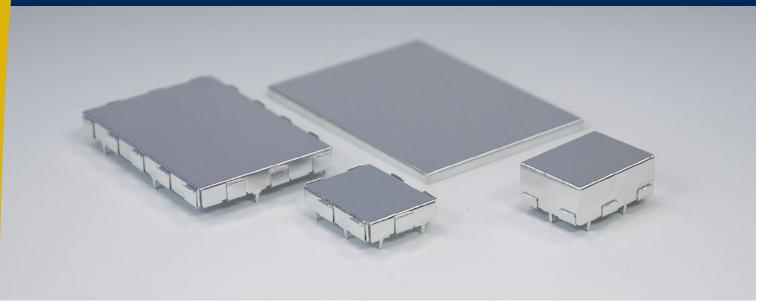
Decades of engineering and manufacturing experience provide you with the ultimate board level shielding flexibility. From 3D modeling, material selection and prototyping to high volume production, we are with you every step of the way.

Product Comparison Chart

					2-2-2-3	
PARAMETERS	STD. CBS	KE CBS	MODIFIED STD.	SLOT-LOK [™]	MULTI-CAVITY	CUSTOM
Through-Hole	Yes	Yes	Yes	Yes	Yes	Yes
Surface Mount	Yes	Yes	Yes	Yes	Yes	Yes
Height Flexibility	0.13"-4.0"	0.40"-2.0"	0.13"-4.0"	.080"-2.0"	0.10"-2.0"	from .080"
Design Flexibility	Good	Good	Very Good	Very Good	Very Good	Excellent
Material Flexibility	Very Good	Very Good	Very Good	Very Good	Very Good	Excellent
Shielding Effectiveness	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Cover Retention	Excellent	Excellent	Excellent	Very Good	Very Good	Excellent
Tooling/NRE	None	None	Low	Low	Low-Med	Low-Med
Lead-Times	Excellent	Excellent	Excellent	Very Good	Very Good	Very Good
RoHS Compliant	Yes	Yes	Yes	Yes	Yes	Yes



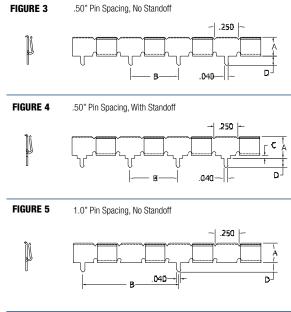
CBS 10 & 20 Series Shield heights from .130"



10 - CBS Series Black = inches Red = mm									
STYLE	FIG.	Н	A EIGHT	B Pin spacing		C Standoffs	D Pin Length		
10-CBS surface mount	1	.13	(3,30)	none		none	none		
14-CBS	5	.13	(3,30)	1.0	(25,4)	none	.05	(1,27)	
14R-CBS	3	.13	(3,30)	.50	(12,7)	none	.10	(2,54)	
14RA-CBS	3	.13	(3,30)	.50	(12,7)	none	.05	(1,27)	
18R-CBS	3	.13	(3,30)	.50	(12,7)	none	.13	(3,30)	

20-CBS Series Black = inches Red = mm									
STYLE	FIG.	A HEIGHT		B Pin spacing		C Standoffs		D Pin Length	
20-CBS surface mount	1	.200 (5,0	3)	none		none		none	
20S-CBS surface mount	2	.200 (5,0	3)	.50 pad	(12,7) spacing	none		.21L (5,33) .075W (1,90)	
21L-CBS	4	.225 (5,7	2)	.50	(12,7)	.025	(,63)	.15	(3,81)
21M-CBS	4	.225 (5,7)	2)	.50	(12,7)	.025	(,63)	.13	(3,30)
21-CBS	4	.225 (5,7)	2)	.50	(12,7)	.025	(,63)	.10	(2,54)
22-CBS	5	.200 (5,0	3)	1.0	(25,4)	none		.10	(2,54)
23-CBS	4	.250 (6,3	5)	.50	(12,7)	.050	(1,27)	.10	(2,54)
24-CBS	3	.200 (5,0	3)	.50	(12,7)	none		.10	(2,54)
24S-CBS	3	.200 (5,0	3)	.50	(12,7)	none		.05	(1,27)
25-CBS	6	.225 (5,7	2)	1.0	(25,4)	.025	(,63)	.10	(2,54)
29-CBS	3	.200 (5,0	3)	.50	(12,7)	no	ne	.13	(3,30)

FIGURE 1 Surface Mount FIGURE 2 .50" Surface Mount Pad Spacing, No Standoff FIGURE 3 .50" Pin Spacing, No Standoff

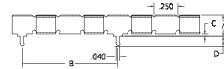


1.0" Pin Spacing, With Standoff

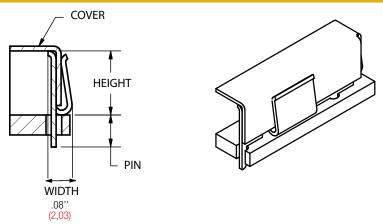
NOTES

- Drawings in figures 1-6 are not to scale; see chart for sizing
- Standard material .015" (,38) pre-tin plated steel
- Other cover heights available, consult factory
- Standard cover height: .115" (2,92) 10-CBS
 .185" (4,70) 20-CBS

FIGURE 6



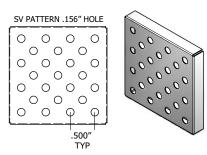
CBS 10 and 20 Series Configuration

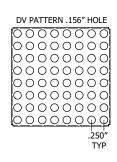


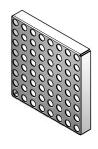
AVAILABLE HEIGHTS:

10 SERIES - .13" TO 2.0" (3,3 TO 50,8) 20 SERIES - .20" TO 2.0" (5,08 TO 50,8) Recommended hole size: .050" (1,27)

Ventilation Patterns

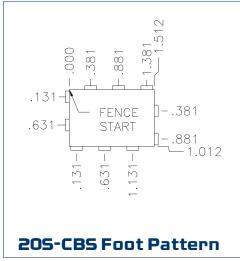


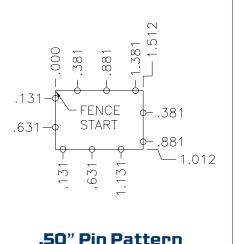




Single density and double density ventilation holes available upon request. SV/DV (Standard) = .156" dia. SV2/DV2 (Alternate) = .08" dia.

Mounting Hole Patterns (10 and 20 series)





Pin pattern viewed from top of shield. Consult factory for pin patterns for your application

10 and 20 Series Specs

Sizes: .50" x .50" to 12" x 24" (.25" increments)

Shapes: Squares, rectangles and odd shapes in .25" increments

Heights: .13" to 2.00"

Mounting Pins: .50" or 1.00" spacing

Surface Mount: Available for all 10 and 20

series CBS

Std Material: .015" (,38) pre-tin plated steel **Cover Retention:** 1.5 - 2.5 lb./linear inch **Shielding Effectiveness:** up to 60 dB

Standard Options

- Formed fence and cover unassembled (F)
- Assembled fence and cover (A)
- Flat fence and formed cover (U)
- Pre-tin plated Phos Bronze (P), Alloy 770 (N)
- Ventilation holes (SV 15% or DV 30%)

Ordering a CBS is Easy

- 1. Select your style number "21-CBS"
- Choose standard options listed above -"21-CBSFNSV"
- 3. Specify your width in .25" increments from .50" to 12.00" "21-CBSFNSV-2.5"
- 4. Specify your length in .25" increments from .50" to 24.00" "21-CBSFNSV-2.5x4.5"
- 5. Specify your height from board to inside cover from .13" to 2.00" "21-CBSFNSV-2.5x4.5x.225"

