

Push pin attachment

Push pin heat sinks require two 3.10mm holes in the circuit card to quickly attach the heat sink over the device. The one piece design makes assembly a snap. Pressure is maintained by the tension of the push pin coil springs to ensure even pressure across the device. Push pins provide a greater margin of reliability in applications where gravity or vibration may cause tapes or adhesives to fail. The addition of a phase change pad optimizes thermal performance.



ORDERING INFORMATION

IC Pkg. Size (mm)	Part Number	"W" (mm)	"L" (mm)	"H" (mm)	"S" (mm)	"T" (mm)	θ_{n^2}	θ_{f^3}	Finish	Fig.	PCB Fig. ¹	Pin Style	Pad
28 x 28	10-6326-27G	28.00	28.00	6.00	46.60	6.50	44.10	13.13	Black anodize	1	A	Plastic	Yes
28 x 28	10-6326-28G	28.00	28.00	6.00	46.60	6.50	44.10	13.13	Black anodize	1	A	Brass	Yes
28 x 28	10-6327-01G	28.50	28.50	10.00	46.60	7.00	30.60	9.26	Black anodize	2	A	Plastic	No
35 x 35	10-TNT2-01G	36.10	48.00	11.60		6.50	18.80	6.13	Black anodize	3	D	Plastic	No
37.5 x 37.5	10-5597-02G	37.40	37.40	6.00	59.00	6.50	33.30	9.91	Green anodize	5	B	Plastic	No
37.5 x 37.5	10-5597-22G	37.40	37.40	6.00	59.00	6.50	33.30	9.91	Gold anodize	5	B	Plastic	Yes
37.5 x 37.5	10-5597-33G	37.40	37.40	6.00	59.00	6.50	33.30	9.91	Gold anodize	5	B	Brass	Yes
37.5 x 37.5	10-5607-04G	37.40	37.40	10.00	59.00	7.00	22.10	6.99	Black anodize	5	B	Plastic	Yes
37.5 x 37.5	10-5607-05G	37.40	37.40	10.00	59.00	7.00	22.10	6.99	Black anodize	5	B	Brass	Yes
37.5 x 37.5	372924M02000G	37.40	37.40	6.00	59.00	6.50	32.60	9.91	Green anodize	5	B	Plastic	No
45 x 45	10-L4LB-03G	45.20	41.40	11.89	58.80	8.00	16.70	5.60	Black anodize	4	C	Plastic	Yes
45 x 45	10-L4LB-05G	45.20	41.40	11.89	58.80	8.00	16.70	5.60	Black anodize	4	C	Brass	Yes
45 x 45	10-L4LB-11G	45.20	41.40	11.70	58.80	8.00	14.20	4.91	Black anodize	4	C	Plastic	No

1. Push pin mechanical drawings and board mounting drawings see page 15
2. Natural convection thermal resistance based on a 75° C heat sink temperature rise.
3. Forced convection thermal resistance based on an entering 1.0 m/s (200LFM) airflow.

Mechanical drawings

FIGURE 1

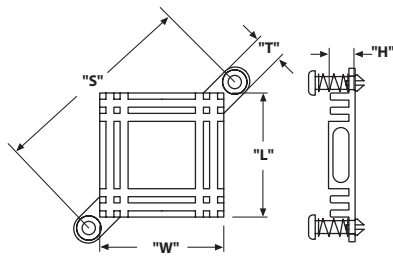


FIGURE 2

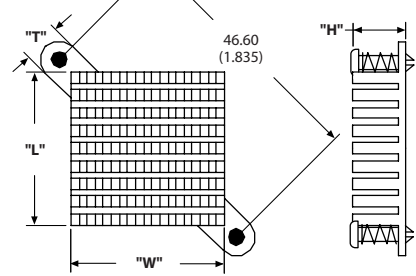


FIGURE 3

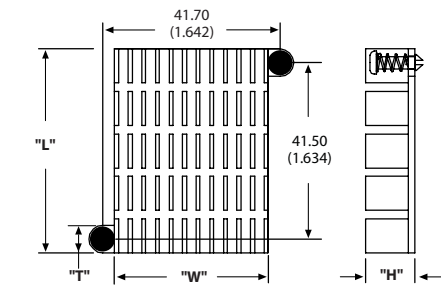


FIGURE 4

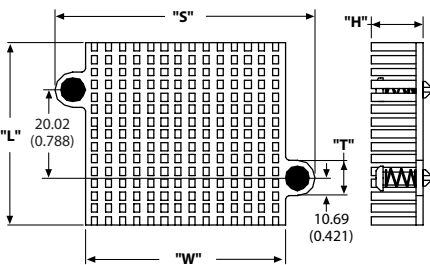
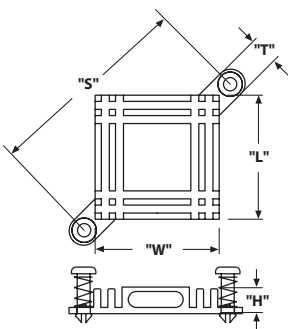


FIGURE 5



Board mounting pattern information

FIGURE A

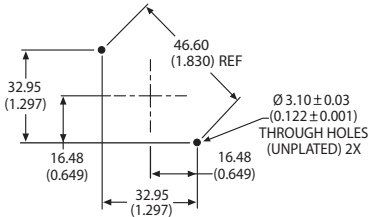


FIGURE B

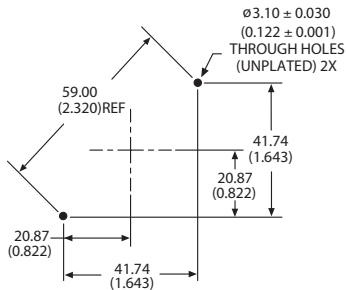


FIGURE C

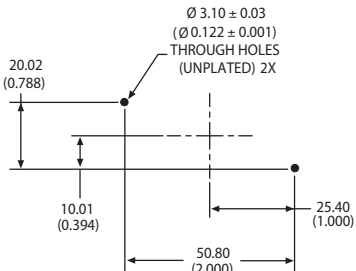


FIGURE D

