

Design Guide

1. Composition:

Composition	Materials	Applications
Press-Formed-Cover	PC (Polycarbonate)	Electrical conductive PSA Screw Electrical conductive hot melt
	PEEK	Solderable
Metallization	Cu/NiCr	Standard process
	Al	Low cost version
	Cu/NiCr/Sn	Solderable
Attaching Methods	Electrical conductive PSA	Standard process
	Screw	Screw
	Electrical conductive hot melt	Hot press
	Solder paste	Solderable

2. Dimension parameters:

	Standard	Minimum	Maximum
Film thickness	0.012"(0.3mm)	0.010"(0.25mm)	0.024"(0.6mm)
Long side	-	0.47"(12mm)	7.87"(200mm)
Short side	-	0.31"(8mm)	4.72"(120mm)
Height	0.080~0.120" (2.5~3mm)	-	1.00"(25mm)
Draft	0.012"(0.3mm) (Top – Bottom side)	3°	6°
Radius	0.012"(0.3mm)	-	-
Foot print	0.030~0.040" (0.8~1.0mm)	0.020"(0.5mm)	-
Tolerance	0.004"(0.10mm)	-	-
Enhanced Structural Rib	0.012"(0.3mm)	-	-

Refer to attached PDF drawing

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3. Installation parameters to attach PFcan on PCB: Electrical conductive PSA

Setting	Parameters
Force	5~10 psi
Time	10~15 sec
Temperature	Room temperature

Step 1: Ensure bonding surfaces are free from oil, dust etc.

Step 2: Put PFcan into jig on a simple press, remove release liner.

Step 3: Load PCB into fixture on the press.

Step 4: Press the PFcan on PCB under force 5 – 10 psi, holding time for 10 – 15 sec.

Step 5: Release press

4. Removal Instructions:

- Materials needed: Single-edge Razor blade or a small, thin-bladed knife and a soft, thin metal spatula.

- Cleaning solvent: Mild solvent like IPA (Isopropyl Alcohol), MEK, etc.

Step 1: Carefully use knife to break bond line at edge between Pcan and PCB.

Step 2: Remove the COVER by hand.

Step 3: Clean the remaining PSA by solvent.

Step 4: Apply new PFcan