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<div style="writing-mode: vertical-rl; transform: rotate(180deg);"> CHECKED IN </div>	Date:	22-03-2018		
	Program & PCB Name:	NanoPower BP8 Heater		
	Part Number:	?		
	Revision:	1		
	PCB Designer:	Mogens Groth Nicolaisen		
	PCB Specifications:			
	Base Specification:	IPC-6013-D class 2+ (Class 3 regarding requirements for Annular ring breakout, Surface and copper plating, and Copper wrap plating)		
	Material:	Flexible Metal-Clad Dielectrics IPC-4204A Dupont Pyralux		
	Construction:	Two layer flex		
	Layer count:	2		
Stackup details:	See Stack-up sheet			
Tolerances:	Thickness: +/- 10%, Outline: +/- 10%, Cluster dimensions: +/- 10%			
Special requirements:				
<input type="checkbox"/>	Notation Top	White low-outgassing epoxy		
<input type="checkbox"/>	Notation Bottom	White low-outgassing epoxy		
<input type="checkbox"/>	Nickel/Hard Gold edge plating:	See Gold plated mechanical layer in files included below.		
<input type="checkbox"/>	Vias in pad has to be filled and capped	All drilled vias		
<input type="checkbox"/>	All Microvia has to be with copper filling.	Unless otherwise agreed		
<input type="checkbox"/>	Surface finish:	Hot Oil reflow SnPb - unless otherwise agreed		
<input type="checkbox"/>	Nickel/Hard gold contacts:	See Gold plated mechanical layer in files included below.		
<input type="checkbox"/>	Panelization	Use Gomspace standard cluster template - Choose Cluster 1 or Cluster 2		
<input checked="" type="checkbox"/>	Minimum isolation distance:	200um		
<input type="checkbox"/>	Countersunk holes	All 2.5 mm holes countersunk by 90 degrees to 5.5mm opening from the bottom layer.		
<input checked="" type="checkbox"/>	PCB manufacturer logo - Not allowed	unless otherwise agreed		
<input type="checkbox"/>	PCB Manufacturer serial number	See specified area in mechanical layer 7		
<input type="checkbox"/>	Stencil data required	Stencil data shall be based on compensated production files		
<input checked="" type="checkbox"/>	Electrically test to be done.	In accordance with IPC-9552, test level B		
<input type="checkbox"/>	Peelable Solder Mask:			
<input checked="" type="checkbox"/>	Impedance controlled nets	Top layer 150 ohm +/- 3%		
<input type="checkbox"/>	Tolerances	Thickness: +/- 10%, Outline: +/- 10%, Cluster dimensions: +/- 10%		
Files included in data package				
	File Description	File Name	Format	Comments
<input checked="" type="checkbox"/>	Read-Me File	ReadMe.pdf	ACROBAT	This Document
<input checked="" type="checkbox"/>	Outline (Mechanical 4)	GND_breaker_default.GM4	OBD++	Board Outline
<input type="checkbox"/>	CID+LOGO (Mechanical 6)	GND_breaker_default.GM6	ODB++	Notation Top - white low-outgassing epoxy
<input checked="" type="checkbox"/>	Top Paste	GND_breaker_default.GTP	OBD++	Top Paste
<input checked="" type="checkbox"/>	Top side flex	GND_breaker_default.GTL	ODB++	L1 in stackup
<input checked="" type="checkbox"/>	Bottom side flex	GND_breaker_default.GBL	OBD++	L2 in stackup
<input checked="" type="checkbox"/>	Bottom Paste	GND_breaker_default.GBP	OBD++	Bottom Paste
<input checked="" type="checkbox"/>	ODB++	GND_breaker_default.zip	ODB	Netlist etc.
<input checked="" type="checkbox"/>	Stackup details	Stack-up.pdf	ACROBAT	
<input type="checkbox"/>	ID-text (Mechanical 7)	GND_breaker_default.GM7	ODB++	Manufacturer serial no. notation Bottom - white low-outgassing epoxy
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				

All files are in millimeters and showed from top view.

Format: 4:3

Any changes/production optimizations shall be approved by GomSpace.