

Layer Stack

Flex Area 1	Rigid Area	Flex Area 2	Flex Area 2 with Stiffener
I lex Alea I		I lex Alea 2	Tiex Alea 2 with Stilleller
	Paste Mask, GTP Solder Mask, 1.0mil, GTS		
	· · ·		
	Layer 1, 0.5 oz base, 0.7mil, Copper, GTL		
	Dielectric, 2.75mil, Prepreg 1080NF IT 180A		
	Layer 2, 0.7mil, Copper, G1		
	Dielectric, 6.0mil, FR4 0.006 IT 180A		Core, 12.0mil, 0.012 IT 180A
	Layer 3, 0.7mil, Copper, G2		Flex Bond-Ply, 1.0mil, PSA
Flex Coverlay Top, 2.0mil, MCL Plus 110	Dielectric, 5.5mil, Prepreg 1080NF IT 180A	Flex Coverlay, 2.0mil, MCL Plus 110	Flex Coverlay Top, 2.0mil, MCL Plus 110
Layer 4, 0.7mil, Copper	Layer 4, 0.7mil, Copper, G3	Layer 4, 0.7mil, Copper	Layer 4, 0.7mil, Copper
Dielectric (Core), 2.0mil, Polyimide RF775 0.002 H/H	Dielectric (Core), 2.0mil, Polyimide RF775 0.002 H/H	Dielectric (Core), 2.0mil, Polyimide RF775 0.002 H/H	Dielectric (Core), 2.0mil, Polyimide RF775 0.002 H/H
Layer 5, 0.7mil, Copper	Layer 5, 0.7mil, Copper, G4	Flex Coverlay, 2.0mil, MCL Plus 110	Flex Coverlay Bottom, 2.0mil, MCL Plus 110
Flex Coverlay Bottom, 2.0mil, MCL Plus 110	Dielectric, 5.5mil, Prepreg 1080NF IT 180A		Flex Bond-Ply, 1.0mil, PSA
	Layer 6, 0.7mil, Copper, G5		Core, 12.0mil, 0.012 IT 180A
	Dielectric, 6.0mil, FR4 0.006 IT 180A		
	Layer 7, 0.7mil, Copper, G6		
	Dielectric, 2.75mil, Prepreg 1080 NFIT 180A		
	Layer 8, 0.5 oz base, 0.7mil, Copper, GBL		
	Paste Mask, GBP Solder Mask, 1.0mil, GBS		

## **Gerber Files**

7
Top Overlay
Top Paste
Top Mask
Top Copper
Layer 2 GND, Plane
Layer 3 Rigid, Singal 1
Layer 4 Flex, Singal 2
Layer 5 Flex, Signal3
Layer 6 3.3V, Plane
Layer 7 GND, Plane
Bottom Copper
Bottom Mask
Bottom Paste
Bottom Overlay
Frame Outline

## **Drill Files**

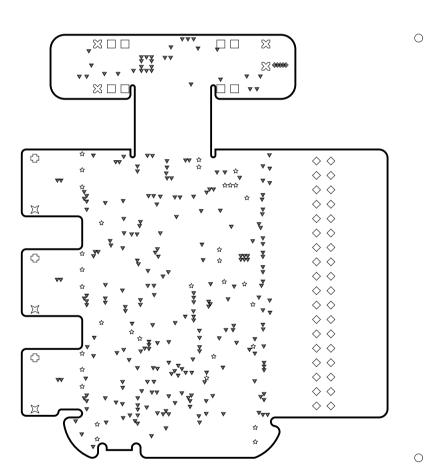
.GD1 Rev. 04	Drill Table 1, L1 Top - L8 Bottom
.GD2 Rev. 04	Drill Table 2, L1 Top - L2 Ground 1
.GD3 Rev. 04	Drill Table 3, L8 Bottom - L7 Ground 2
.GG1 Rev. 04	Drill Guide 1, L1 Top - L8 Bottom
.GG2 Rev. 04	Drill Guide 2, L1 Top - L2 Ground 1
.GG3 Rev. 04	Drill Guide 3, L8 Bottom - L7 Ground 2
.TXT Rev. 04	NC Drill 1, L1 Top - L8 Bottom
.TXT1 Rev. 04	NC Drill 2, L1 Top - L2 Ground 1
.TXT2 Rev. 04	NC Drill 3, L8 Bottom - L7 Ground 2
.apr Rev. 04	Aperture APR File

BY	DATE			• '			
DRAWN R. Yoder	10-4-2018		4				
CHECKED A. Zbrzeski	10-4-2018	DOCL	JMEN	SYN IT NAME	<u>INPSE</u>	Biom	edical Inc.
				NNP Po	ower Module PCI	3,	
MATERIAL See Notes	; }						
		SIZE	DOG	CUMENT	NO.		REV
FINISH See Notes		В		52-2001			04
See Notes				NEXT ASSY	51-2001	SHE	ET 2 OF 6

## Drill Table

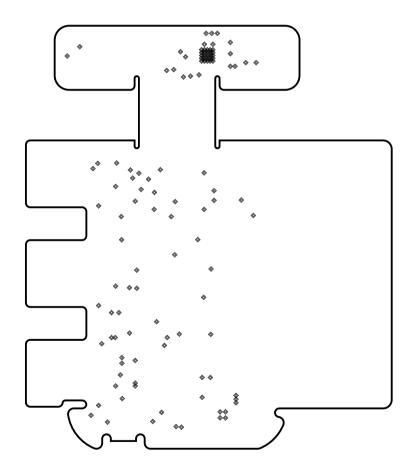
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Symbol	Count	Hole Size	Plated	Hole Tolerance
<b>*</b>	5	0.10mm	Plated	
▼	260	0.20mm	Plated	
☆	33	0.40mm	Plated	
$\bowtie$	4	0.64mm	Plated	
	8	0.76mm	Plated	
$\Diamond$	36	0.90mm	Plated	
Ħ	3	1.17mm	Plated	
¢	3	1.52mm	Plated	
0	4	4.01mm	Non-Plated	
	356 Total			



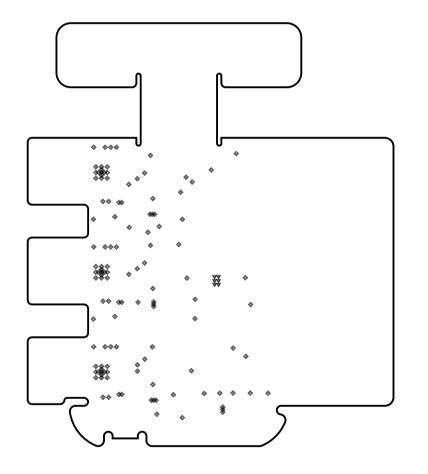
Drill Table - L1 Top - L2 Gnd

Symbol	Count	Hole Size	Plated	Hole Tolerance
<b>*</b>	114	3.937mil(0.100mm)	Plated	
	114 Total			

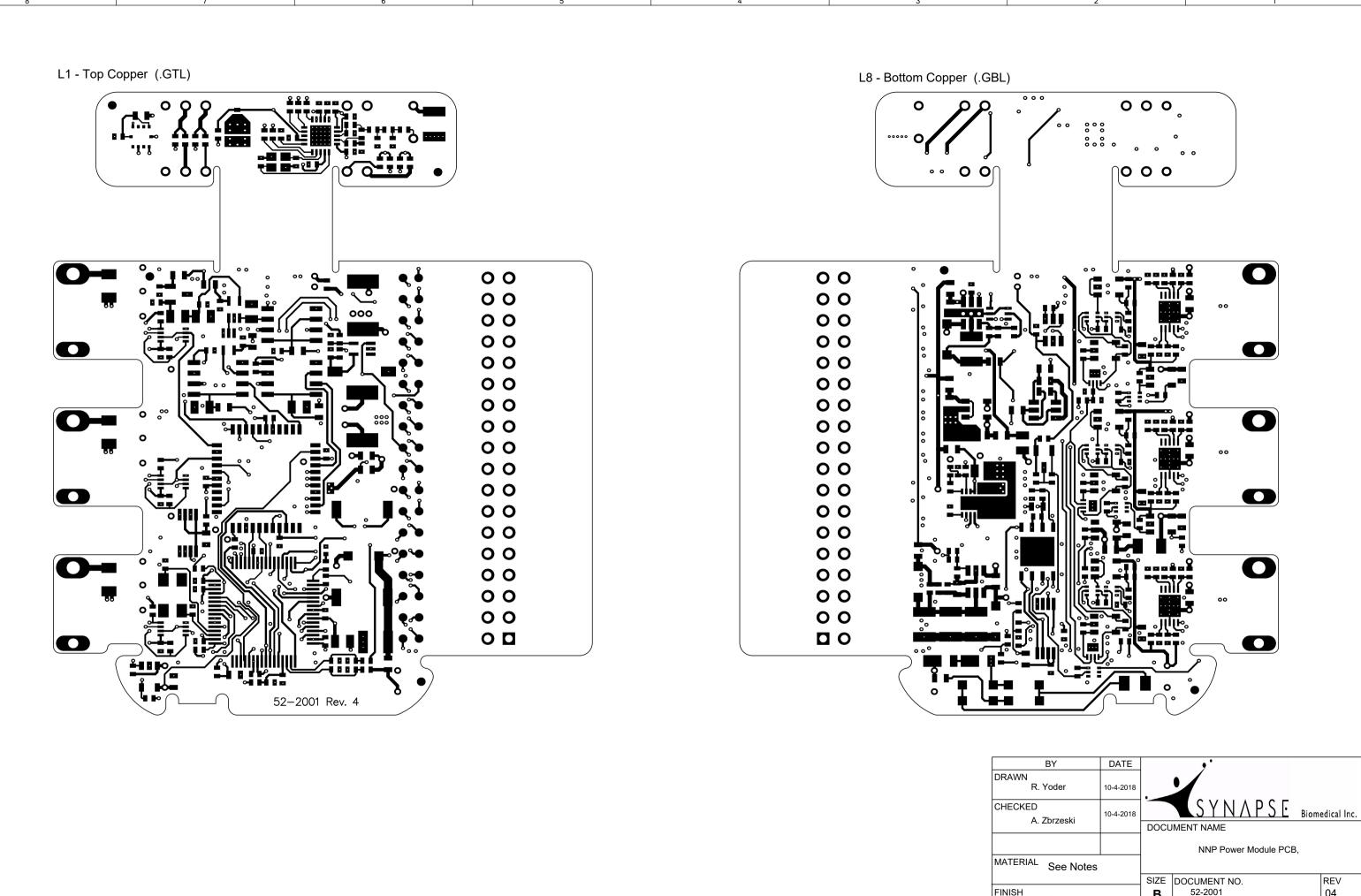


Drill Table - L7 Gnd - L8 Bottom

Symbol	Count	Hole Size	Plated	Hole Tolerance
<b>*</b>	121	3.937mil(0.10mm)	Plated	
♥	6	7.874mil(0.20mm)	Plated	
	127 Total			



BY	DATE			_,			
	DAIL	-		,			
DRAWN R. Yoder	10-4-2018		4				
CHECKED  A. Zbrzeski	10-4-2018		T T	<u> </u>	<u> </u>	Biom	edical Inc.
7 11 22 12 23 11		DOCL	JMEN	NT NAME			
				NNP Po	wer Module PCE	3,	
MATERIAL See Note	s						
		SIZE	DOG	TNAMUC	NO.		REV
FINISH See Not	es	В		52-2001			04
			•	NEXT ASSY	51-2001	SHEE	T 3 OF 6
2					1		



See Notes

NEXT ASSY 51-2001

SHEET 4 OF 6

REV

04

