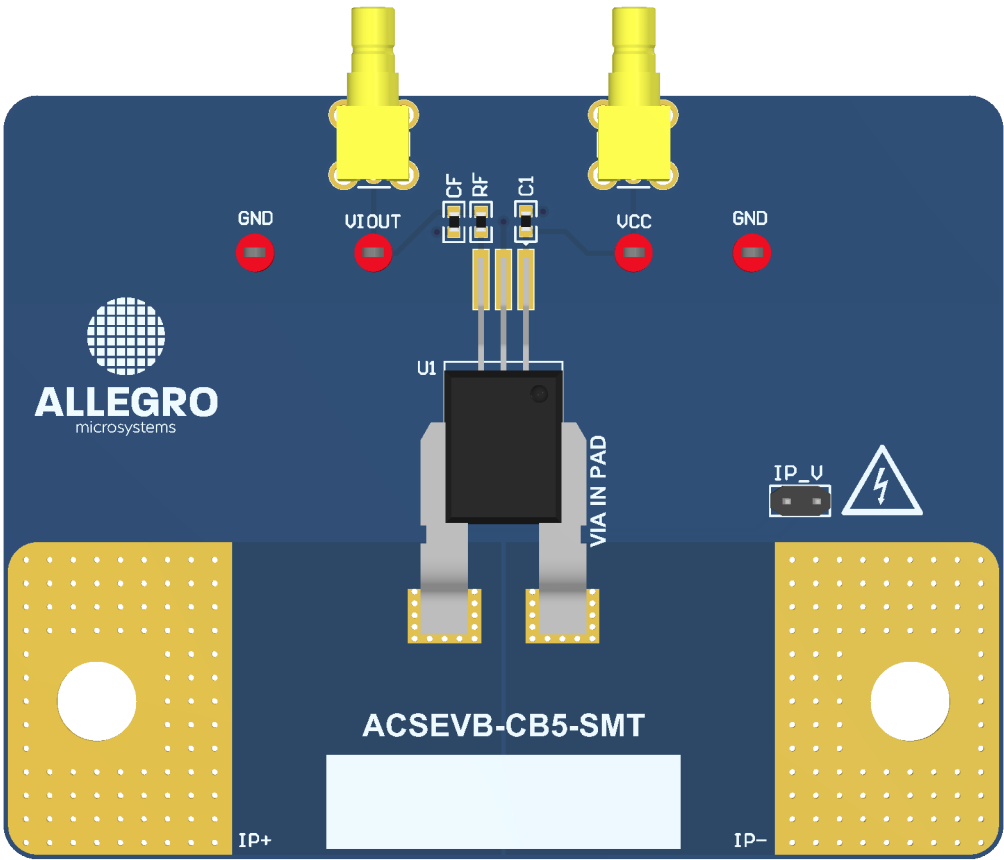


TED-0004118 (ACSEVB-CB5-SMT)
PCB INFO

3D Top Side View



Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	TopOverlay			Legend	GTO
Surface Material	TopSolder	0.025mm	SM-003	Solder Mask	GTS
Nickel, Gold	TopSurfaceFinish	0.004mm		Surface Finish	
CF-004	TopLayer	0.070mm		Signal	GTL
Prepreg		0.250mm	PP-006	Dielectric	
CF-004	Int1	0.070mm		Signal	G1
Core		0.200mm	Core-035	Dielectric	
CF-004	Int2	0.070mm		Signal	G2
Prepreg		0.250mm	PP-006	Dielectric	
CF-004	Int3	0.070mm		Signal	G3
Core		0.200mm	Core-035	Dielectric	
CF-004	Int4	0.070mm		Signal	G4
Prepreg		0.250mm	PP-006	Dielectric	
CF-004	BottomLayer	0.070mm		Signal	GBL
Nickel, Gold	BottomSurfaceFinish	0.004mm		Surface Finish	
Surface Material	BottomSolder	0.025mm	SM-003	Solder Mask	GBS
	BottomOverlay			Legend	GBO
Total thickness: 1.629mm					

NOTES:

- 1) Soldermask color: BLUE
- 2) Silkscreen color: White (Top & Bottom)
- 3) Finished PCB is RoHS
- 4) Manufacture in accordance to IPC-6011, IPC-6012 for Class 2 applications
- 5) PCB shall meet acceptance criteria as required for Class 2 PCB as defined in IPC-600
- 6) Laminate type: High-TG FR4 (TG = 150°C)
- 7) Minimum clearance: 0.254mm
- 8) Minimum track width: 0.254mm
- 9) Surface Finish: Immersion Gold
- 10) Hole sizes are specified after plating
- 11) No blind or buried vias
- 12) VIAS in PAD as defined by IPC 4761 (Type VII)

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF Allegro Microsystems. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN

PROPRIETARY AND CONFIDENTIAL

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Allegro Microsystems		
		DIMENSIONS ARE IN INCHES	DRAWN		9/27/2023	TITLE TED-0004118-R2		
		TOLERANCES:	CHECKED					
		FRACTIONAL±	ENG APPR.					
		ANGULAR: MACH± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±	Q.A.					
		THREE PLACE DECIMAL ±	COMMENTS:			SIZE	DWG. NO.	
		INTERPRET GEOMETRIC						
		TOLERANCING PER:						
		MATERIAL						
NEXT ASSY	USED ON	FINISH						
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:1	WEIGHT:	SHEET 1 OF 6

A

B

C

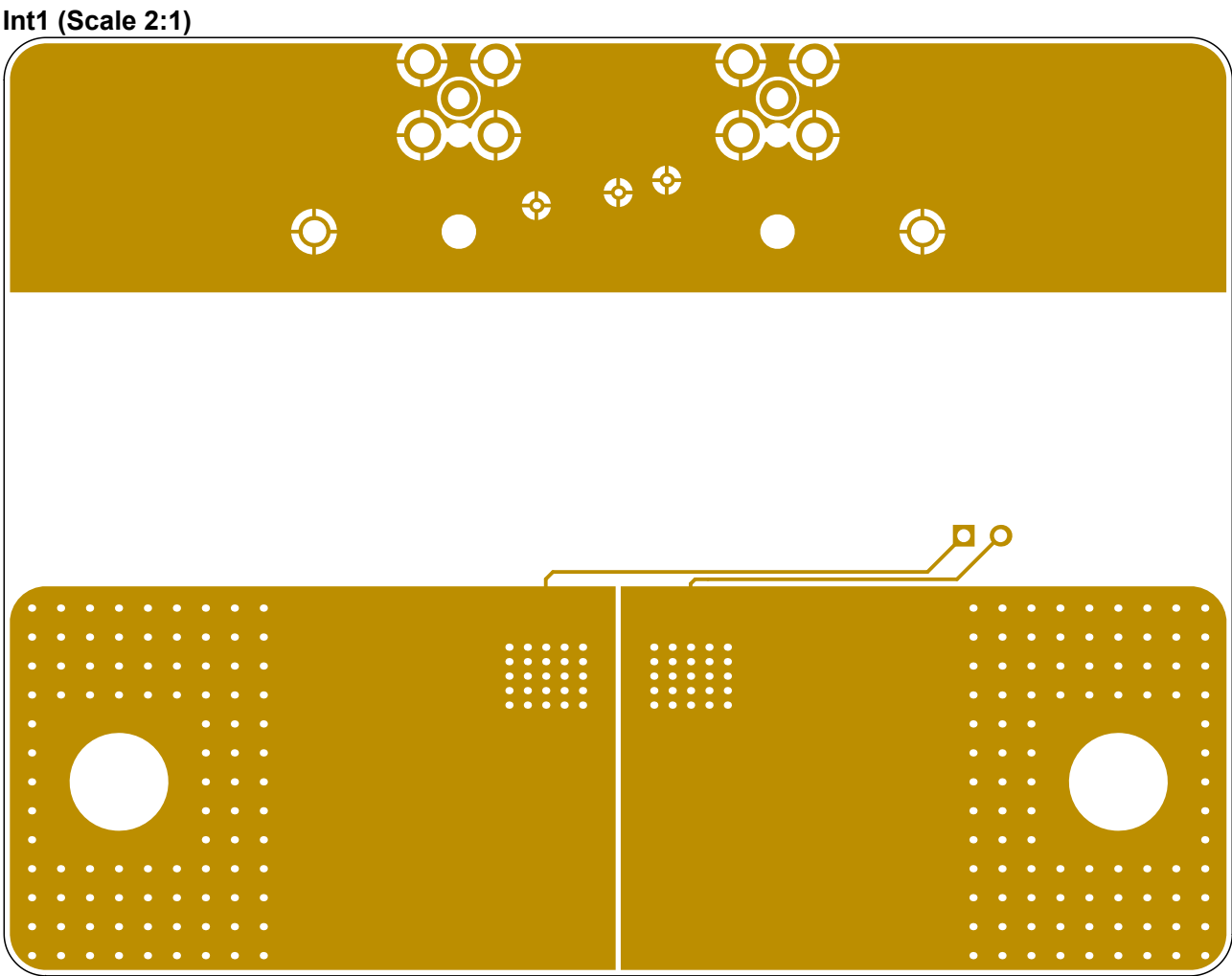
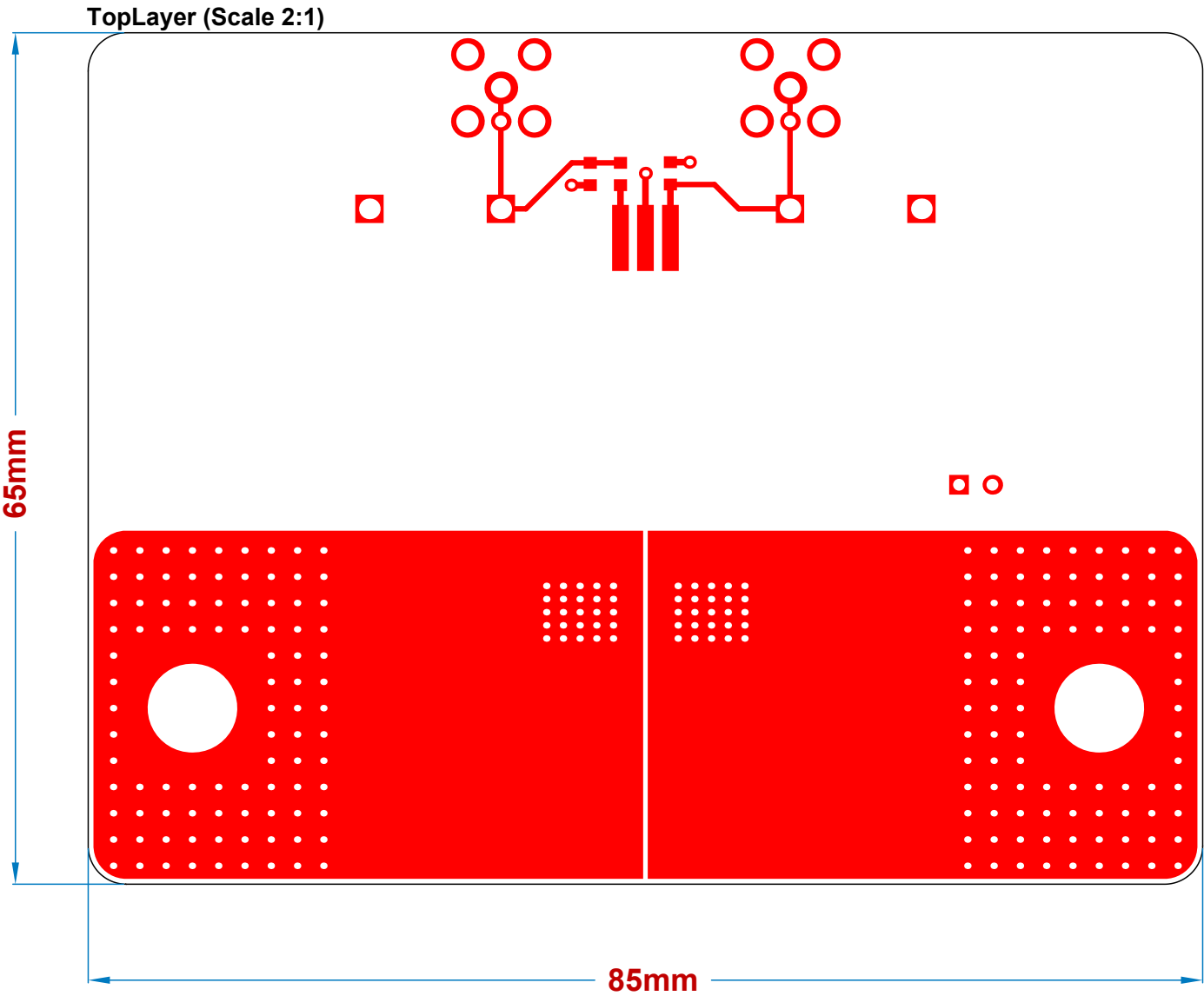
D

1

1

2

2



THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF Allegro Microsystems. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN

PROPRIETARY AND CONFIDENTIAL

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Allegro Microsystems			
		DIMENSIONS ARE IN INCHES	DRAWN		9/27/2023				
		TOLERANCES:	CHECKED			TITLE			
		FRACTIONAL±							
		ANGULAR: MACH± BEND ±	ENG APPR.						
		TWO PLACE DECIMAL ±							
		THREE PLACE DECIMAL ±	MFG APPR.			TED-0004118-R2			
		INTERPRET GEOMETRIC	Q.A.						
		TOLERANCING PER:	COMMENTS:						
		MATERIAL							
NEXT ASSY	USED ON	FINISH							
APPLICATION		DO NOT SCALE DRAWING				SCALE:	1:1	WEIGHT:	SHEET 2 OF 6

A

B

C

D

A

B

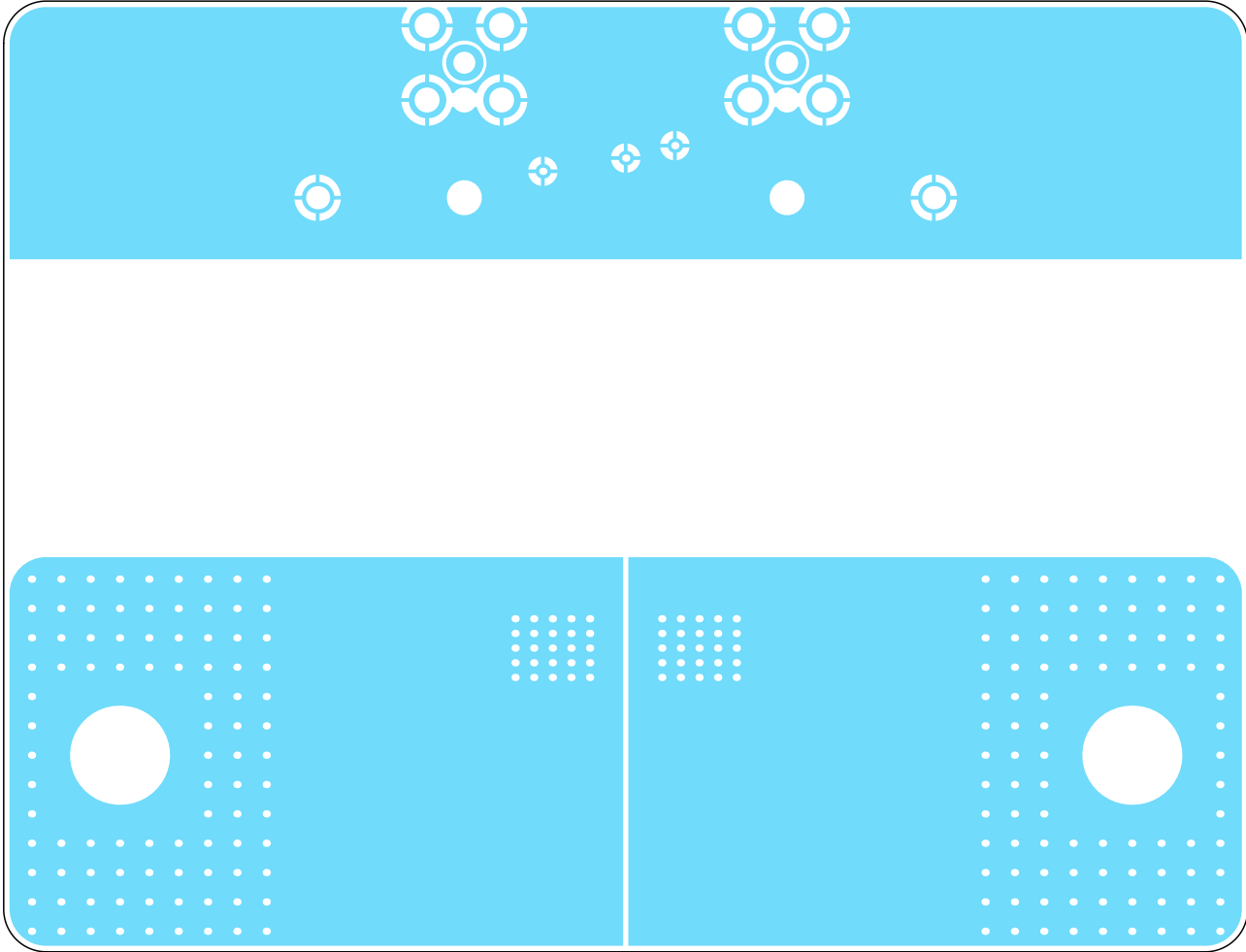
C

D

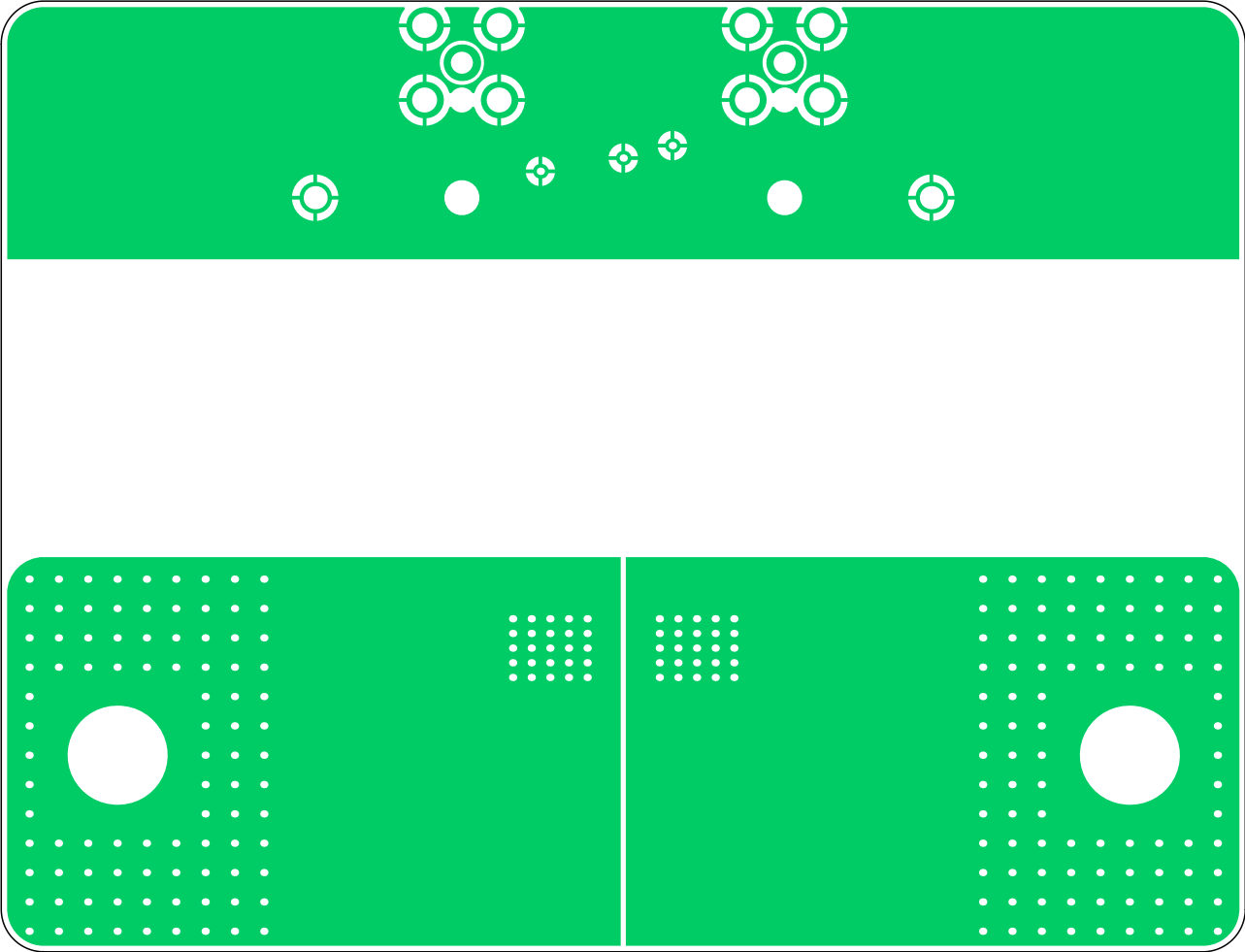
1

1

Int2 (Scale 2:1)



Int3 (Scale 2:1)



2

2

THE INFORMATION CONTAINED IN
THIS DRAWING IS THE SOLE
PROPERTY OF
Allegro Microsystems. ANY
REPRODUCTION IN PART OR AS A
WHOLE WITHOUT THE WRITTEN
PROPRIETARY AND CONFIDENTIAL

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Allegro Microsystems					
		DIMENSIONS ARE IN INCHES	DRAWN		9/27/2023	TITLE TED-0004118-R2					
		TOLERANCES:	CHECKED								
		FRACTIONAL±	ENG APPR.								
		ANGULAR: MACH± BEND ±	MFG APPR.								
		TWO PLACE DECIMAL ±	Q.A.								
		THREE PLACE DECIMAL ±	COMMENTS:								
		INTERPRET GEOMETRIC				SIZE			DWG. NO.		
		TOLERANCING PER:									
		MATERIAL									
		FINISH									
NEXT ASSY	USED ON					SCALE: 1:1		WEIGHT:	SHEET 3 OF 6		
APPLICATION		DO NOT SCALE DRAWING									

A

B

C

D

A

B

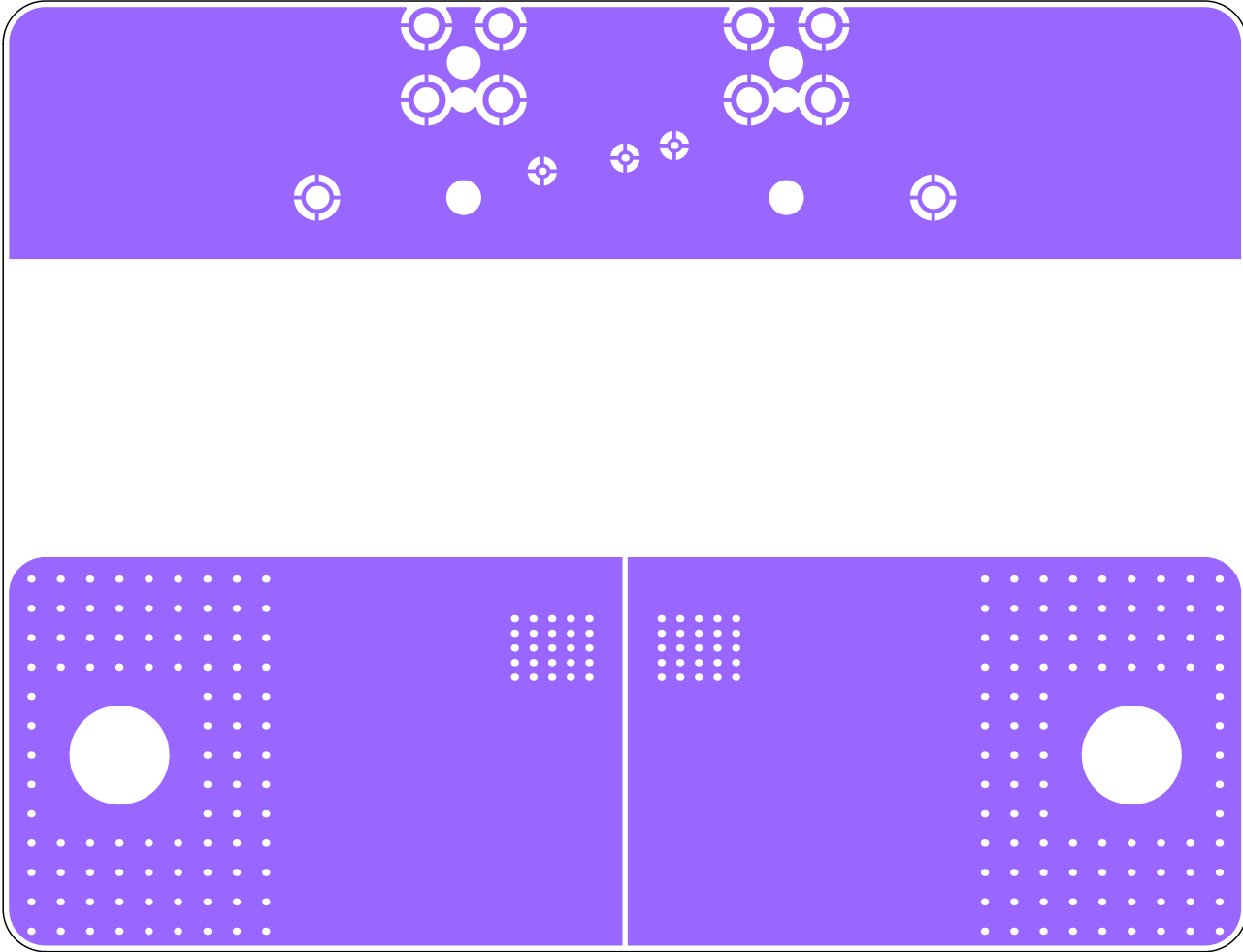
C

D

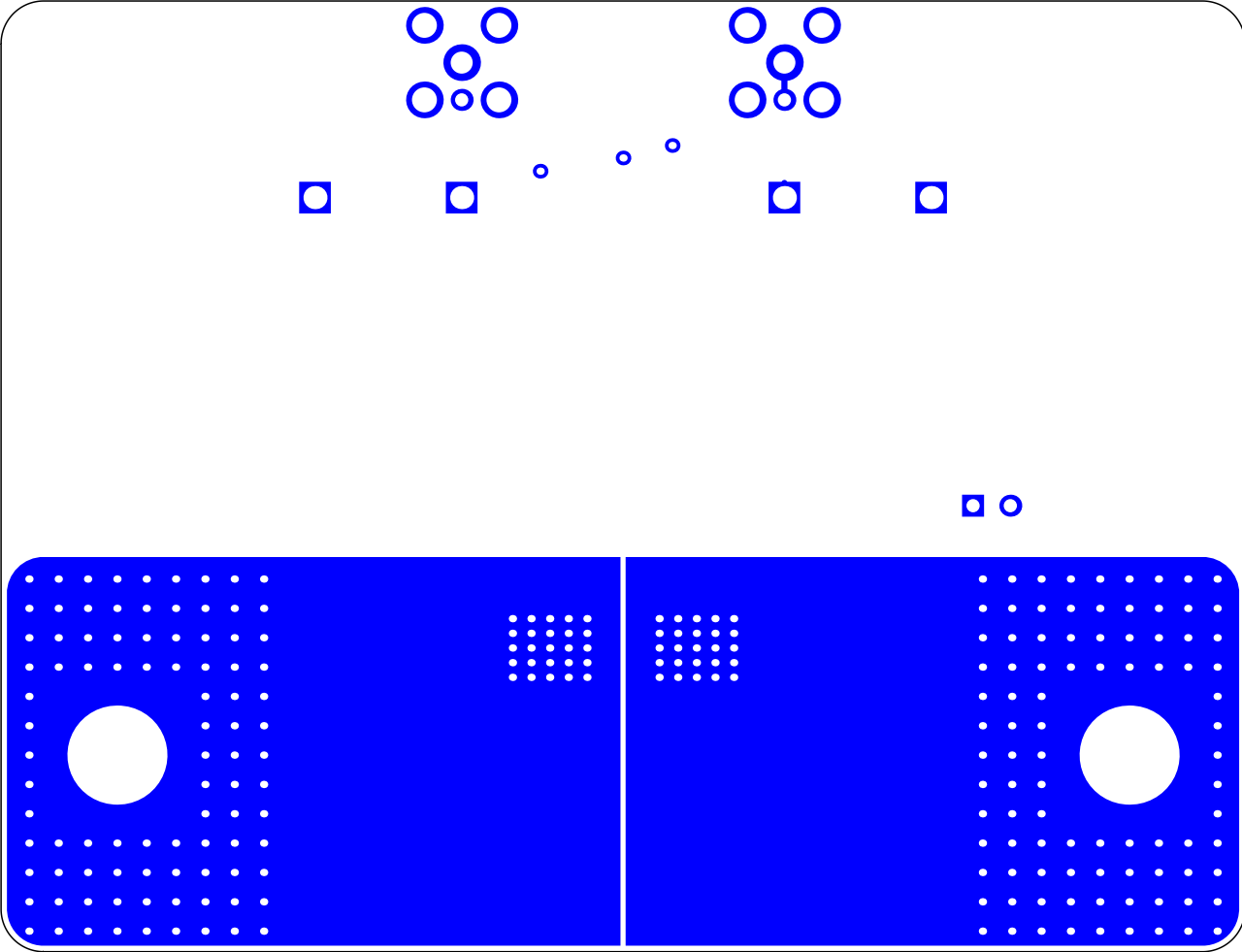
1

1

Int4 (Scale 2:1)



BottomLayer (Scale 2:1)



2

2

THE INFORMATION CONTAINED IN
THIS DRAWING IS THE SOLE
PROPERTY OF
Allegro Microsystems. ANY
REPRODUCTION IN PART OR AS A
WHOLE WITHOUT THE WRITTEN
PROPRIETARY AND CONFIDENTIAL

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Allegro Microsystems					
		DIMENSIONS ARE IN INCHES	DRAWN		9/27/2023	TITLE TED-0004118-R2					
		TOLERANCES:	CHECKED								
		FRACTIONAL±	ENG APPR.								
		ANGULAR: MACH± BEND ±	MFG APPR.								
		TWO PLACE DECIMAL ±	Q.A.								
		THREE PLACE DECIMAL ±	COMMENTS:								
		INTERPRET GEOMETRIC				SIZE			DWG. NO.		
		TOLERANCING PER:									
		MATERIAL									
NEXT ASSY	USED ON	FINISH									
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:1	WEIGHT:	SHEET 4 OF 6			

A

B

C

D

A

B

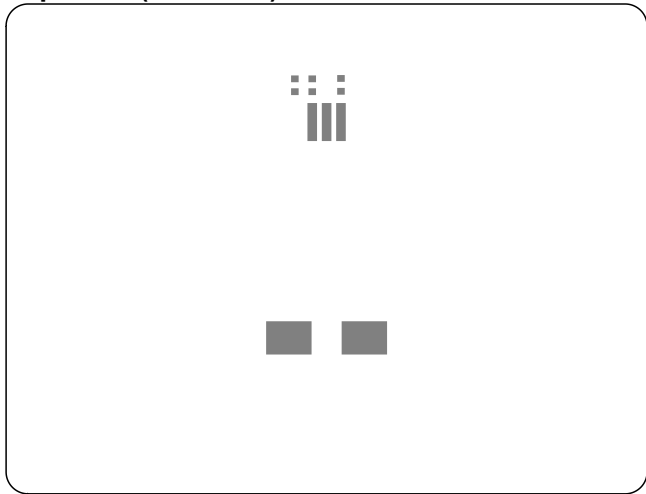
C

D

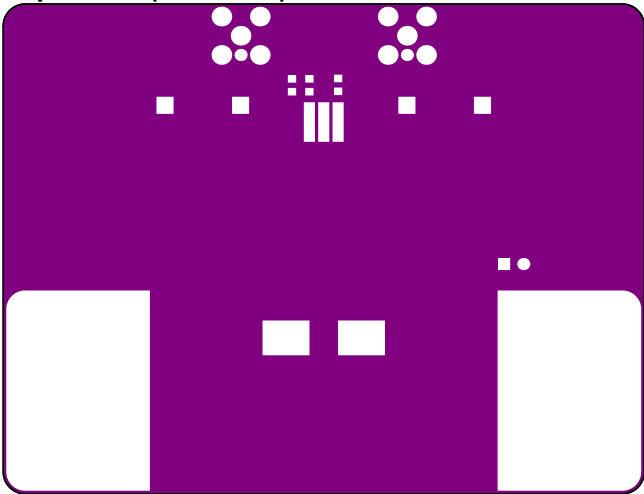
1

1

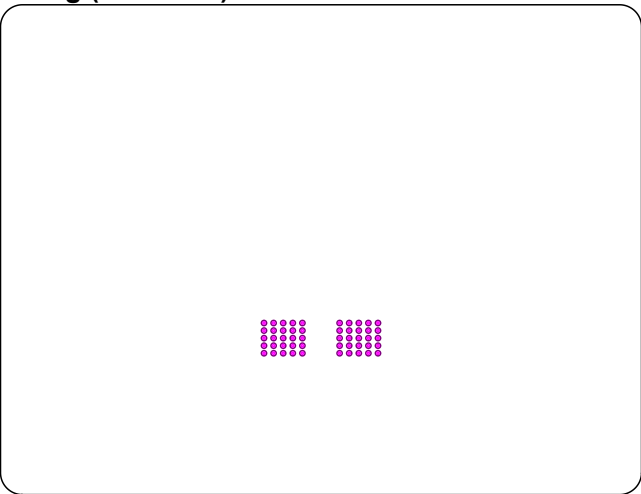
TopPaste (Scale 1:1)



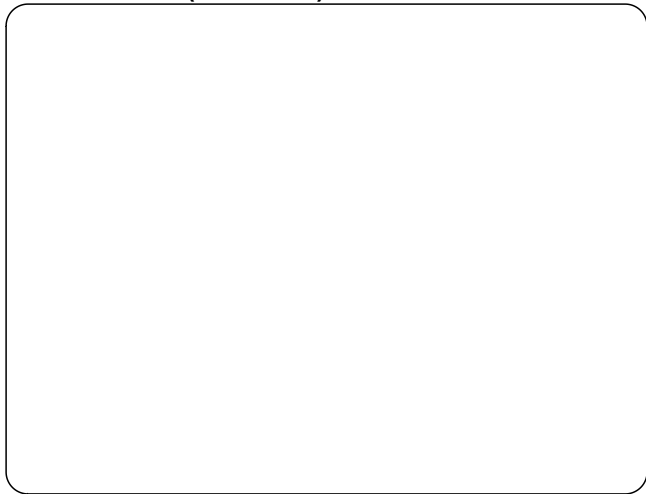
TopSolder (Scale 1:1)



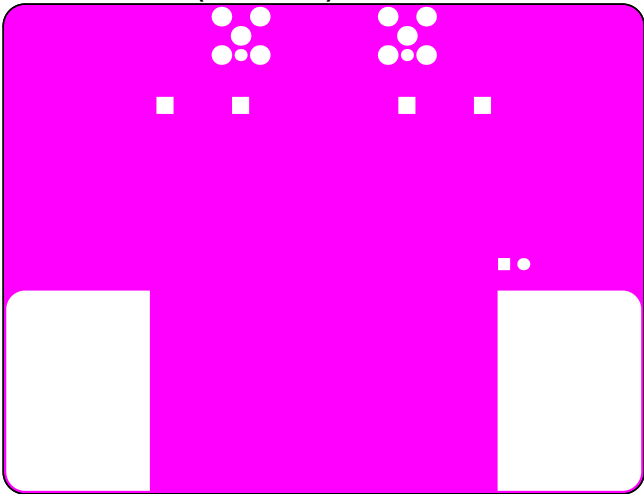
Filling (Scale 1:1)



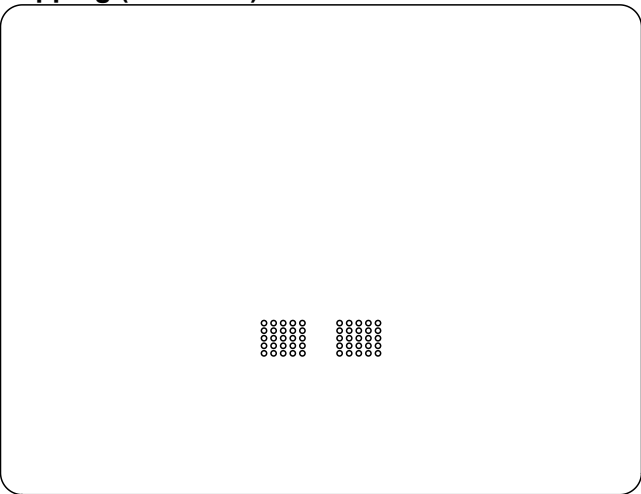
BottomPaste (Scale 1:1)



BottomSolder (Scale 1:1)



Capping (Scale 1:1)



2

2

THE INFORMATION CONTAINED IN
THIS DRAWING IS THE SOLE
PROPERTY OF
Allegro Microsystems. ANY
REPRODUCTION IN PART OR AS A
WHOLE WITHOUT THE WRITTEN
PROPRIETARY AND CONFIDENTIAL

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Allegro Microsystems		
		DIMENSIONS ARE IN INCHES	DRAWN		9/27/2023	TITLE TED-0004118-R2		
		TOLERANCES:	CHECKED					
		FRACTIONAL±	ENG APPR.					
		ANGULAR: MACH± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±	Q.A.					
		THREE PLACE DECIMAL ±	COMMENTS:			SIZE DWG. NO.		
		INTERPRET GEOMETRIC TOLERANCING PER:						
		MATERIAL						
NEXT ASSY	USED ON	FINISH						
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:1	WEIGHT:	SHEET 5 OF 6

A

B

C

D

A

B

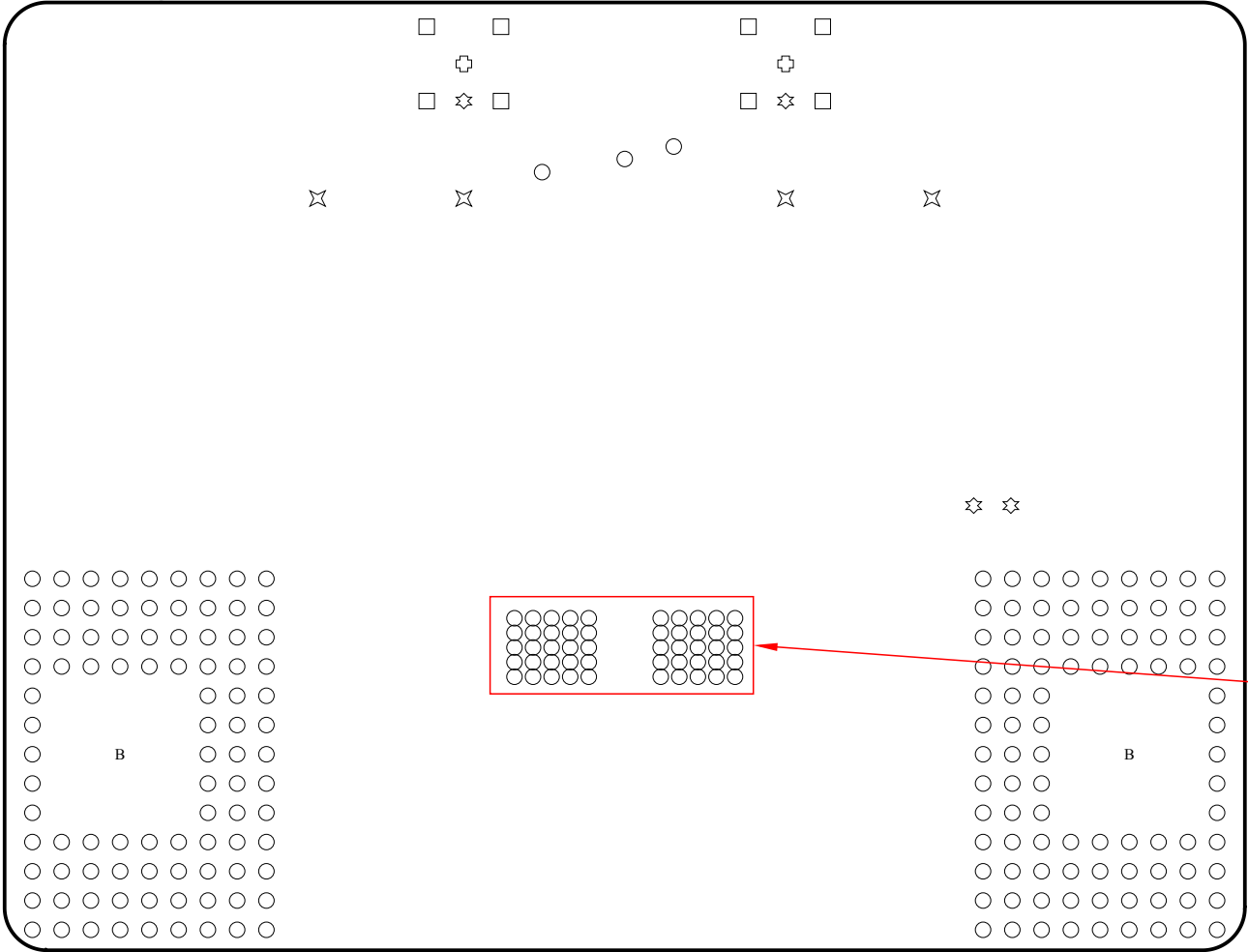
C

D

1

1

Drill Drawing View (Scale 2:1)



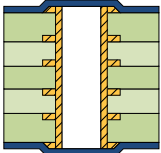
Drill Table - Plated

Symbol	Count	Hole Size	Hole Type	Drill Layer Pair	Via / Pad
○	237	0.500mm	Round	TopLayer - BottomLayer	Via
☆	4	0.900mm	Round	TopLayer - BottomLayer	Pad
⊕	2	1.500mm	Round	TopLayer - BottomLayer	Pad
✧	4	1.575mm	Round	TopLayer - BottomLayer	Pad
□	8	1.700mm	Round	TopLayer - BottomLayer	Pad
B	2	6.756mm	Round	TopLayer - BottomLayer	Pad
	257 Total				

Drill Table - Non-Plated

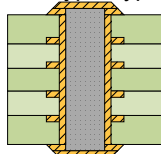
Symbol	Count	Hole Size	Hole Type	Drill Layer Pair	Via / Pad
	0 Total				

Via Type Type 1B (Scale 12:1)



Filled VIAS as defined by IPC 4761 (Type VII)

Via Type Type 7 (Scale 12:1)



2

2

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF Allegro Microsystems. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PROPRIETARY AND CONFIDENTIAL

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Allegro Microsystems		
		DIMENSIONS ARE IN INCHES		DRAWN	9/27/2023	TITLE TED-0004118-R2		
		TOLERANCES:		CHECKED				
		FRACTIONAL±		ENG APPR.				
		ANGULAR: MACH± BEND ±		MFG APPR.				
		TWO PLACE DECIMAL ±		Q.A.		COMMENTS:		
		THREE PLACE DECIMAL ±						
		INTERPRET GEOMETRIC TOLERANCING PER:				SIZE		
		MATERIAL				DWG. NO.		
		FINISH				SCALE: 1:1		
NEXT ASSY	USED ON	DO NOT SCALE DRAWING				WEIGHT:		
APPLICATION						SHEET 6 OF 6		

A

B

C

D