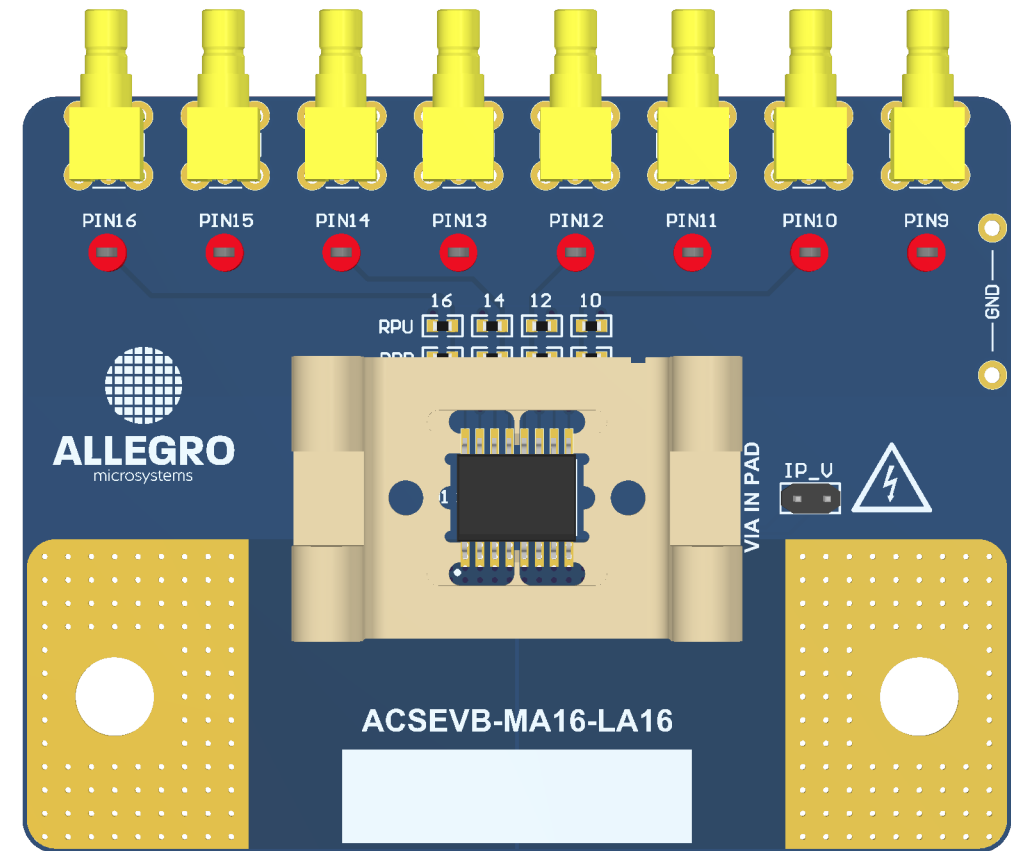


TED-0004111 (ACSEVB-MA16-LA16)
PCB INFO

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 = 180°C, ISOLA 370HR)
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		3/27/2023	TITLE TED-0004111-R1			
		TOLERANCES:	CHECKED						
		FRACTIONAL±	ENG APPR.						
		ANGULAR: MACH± BEND ±	MFG APPR.						
		TWO PLACE DECIMAL ±							
		THREE PLACE DECIMAL ±							
		INTERPRET GEOMETRIC	Q.A.			COMMENTS:			
		TOLERANCING PER:							
		MATERIAL				SIZE	DWG. NO.		
NEXT ASSY	USED ON	FINISH							
APPLICATION		DO NOT SCALE DRAWING				SCALE:	1:1	WEIGHT:	SHEET 1 OF 6

A

B

C

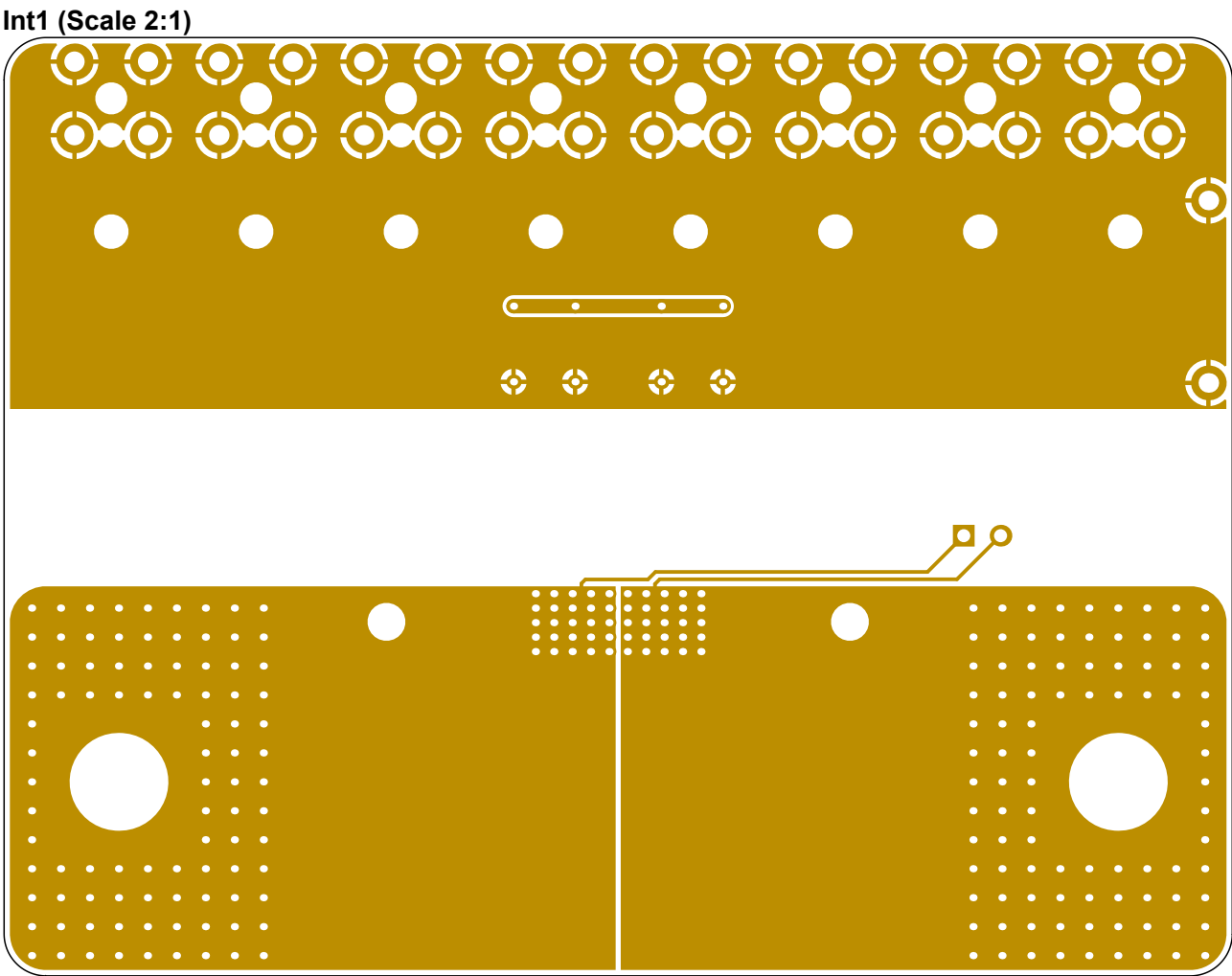
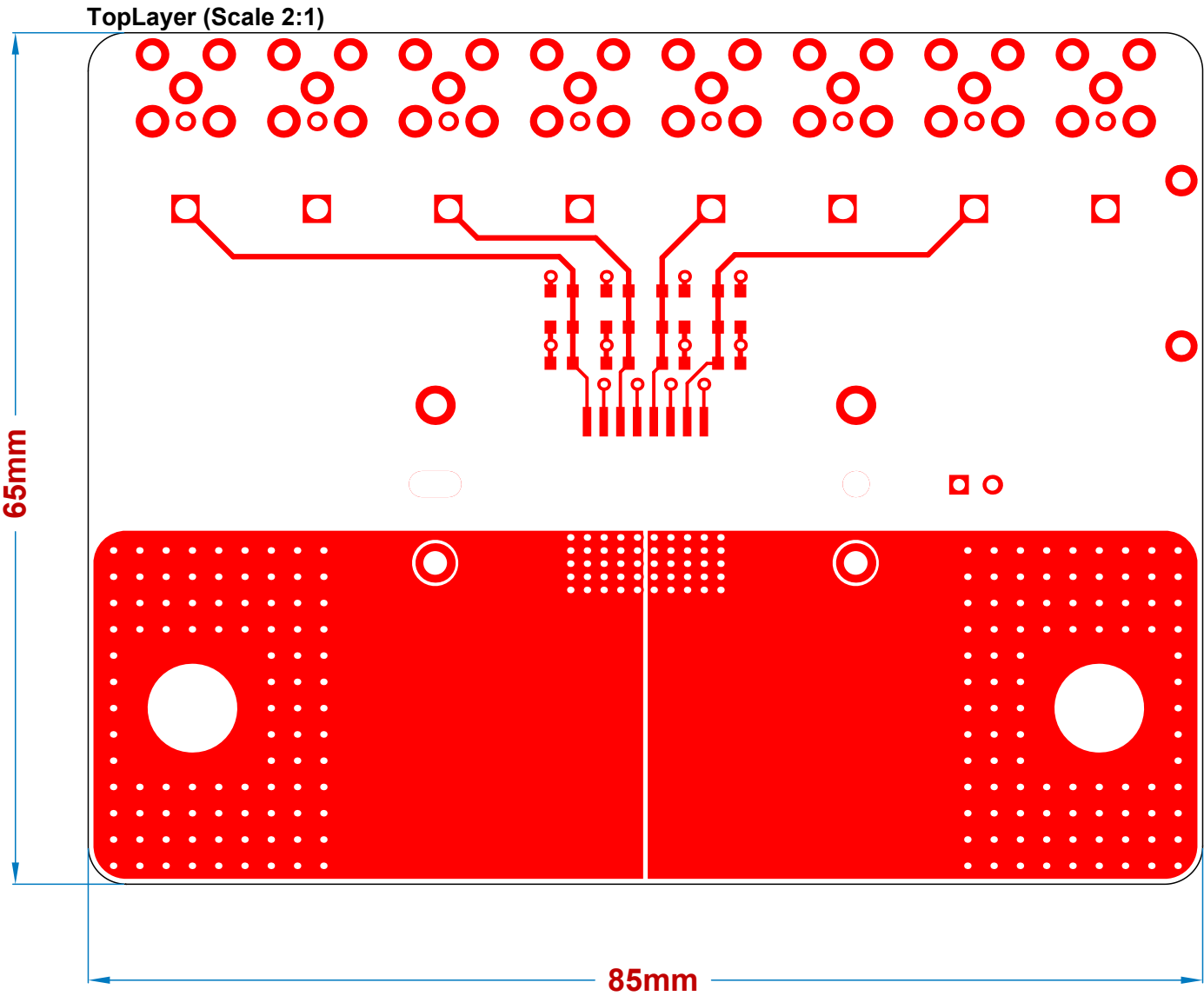
D

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		3/27/2023	TITLE TED-0004111-R1		
		TOLERANCES:	CHECKED					
		FRACTIONAL±	ENG APPR.					
		ANGULAR: MACH± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±	Q.A.					
		THREE PLACE DECIMAL ±	COMMENTS:					
		INTERPRET GEOMETRIC TOLERANCING PER:						
		MATERIAL						
NEXT ASSY	USED ON	FINISH				SIZE	DWG. NO.	
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:1	WEIGHT:	SHEET 2 OF 6

A

B

C

D

A

B

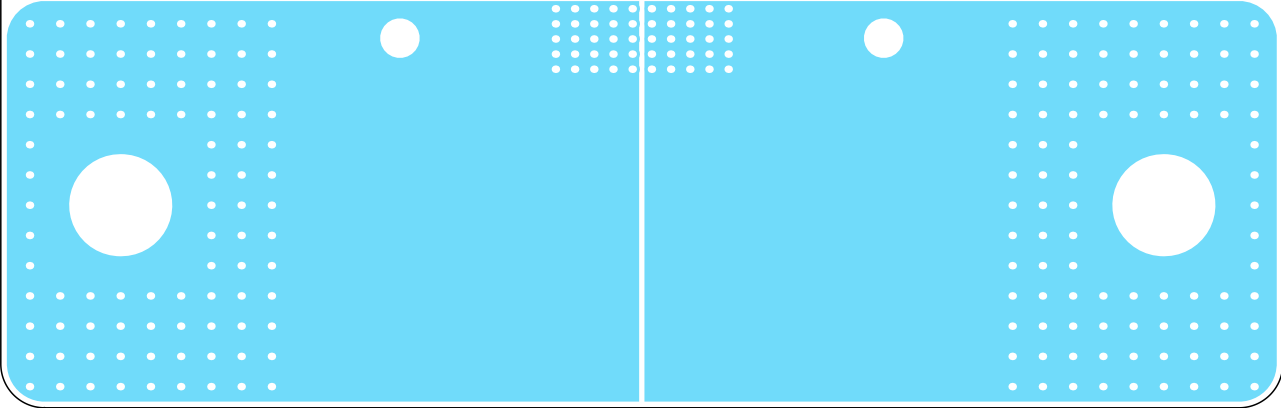
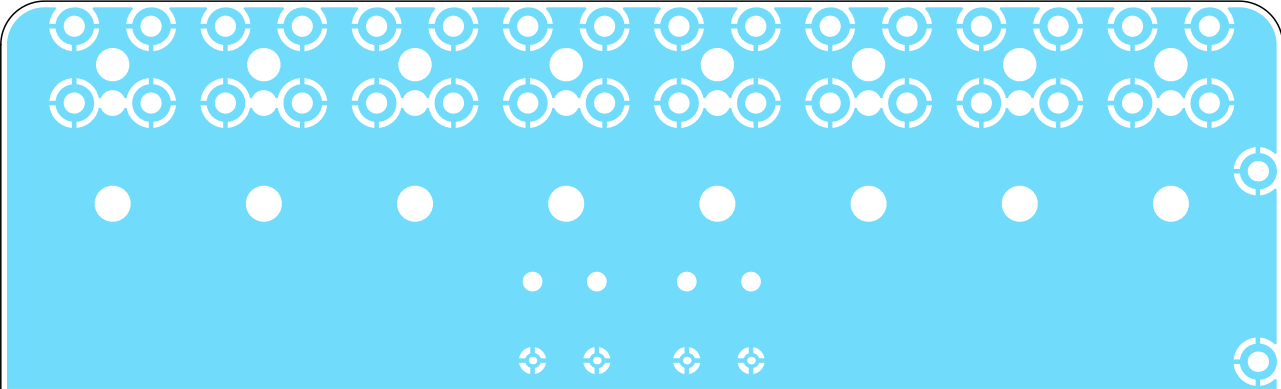
C

D

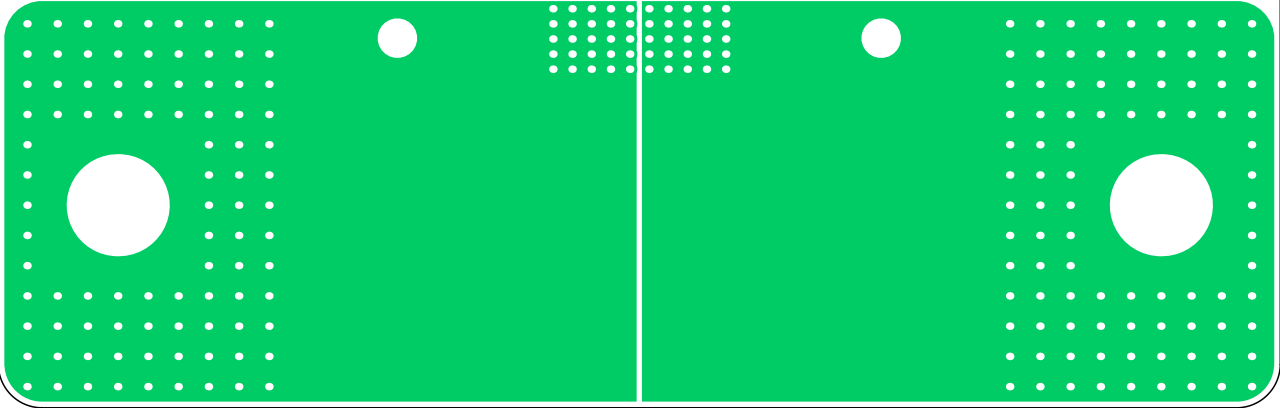
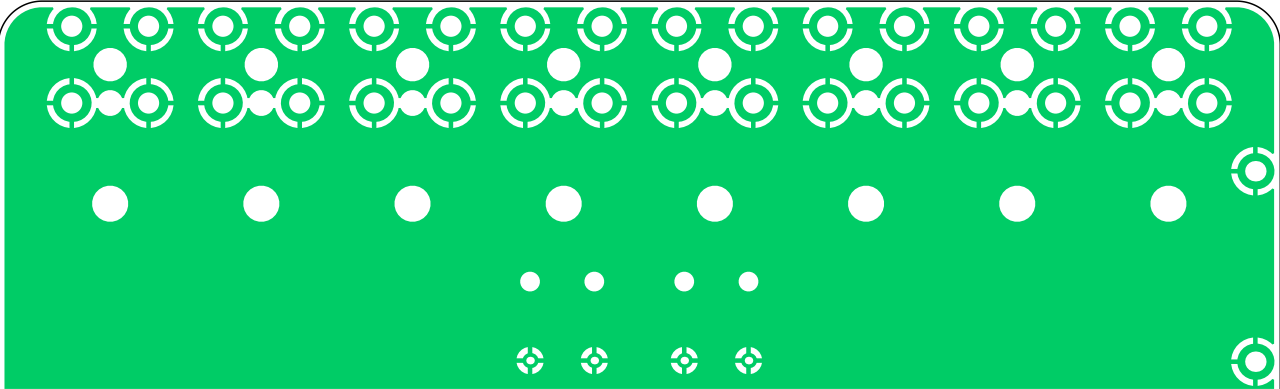
1

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		3/27/2023	TITLE TED-0004111-R1		
		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 3 OF 6

A

B

C

D

A

B

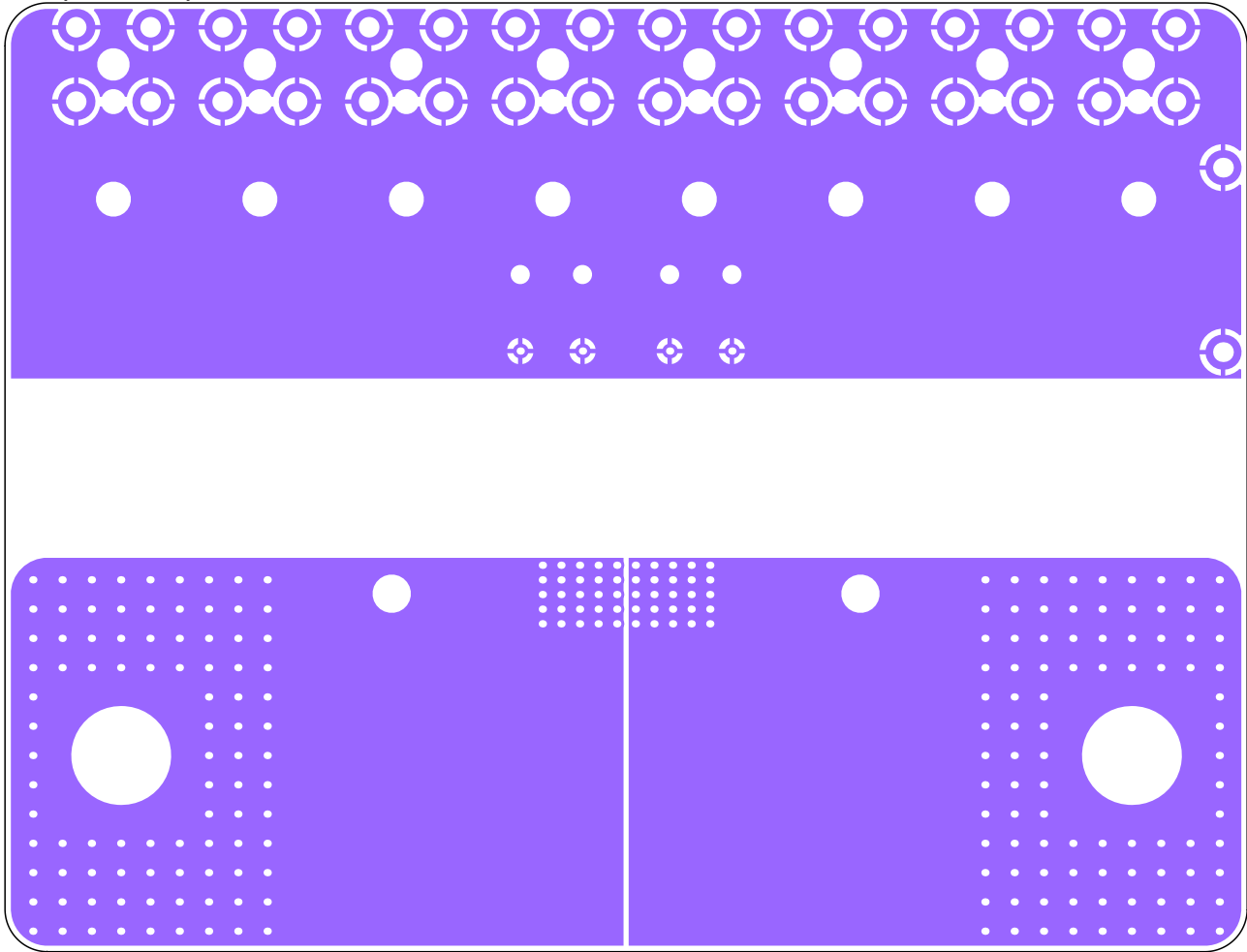
C

D

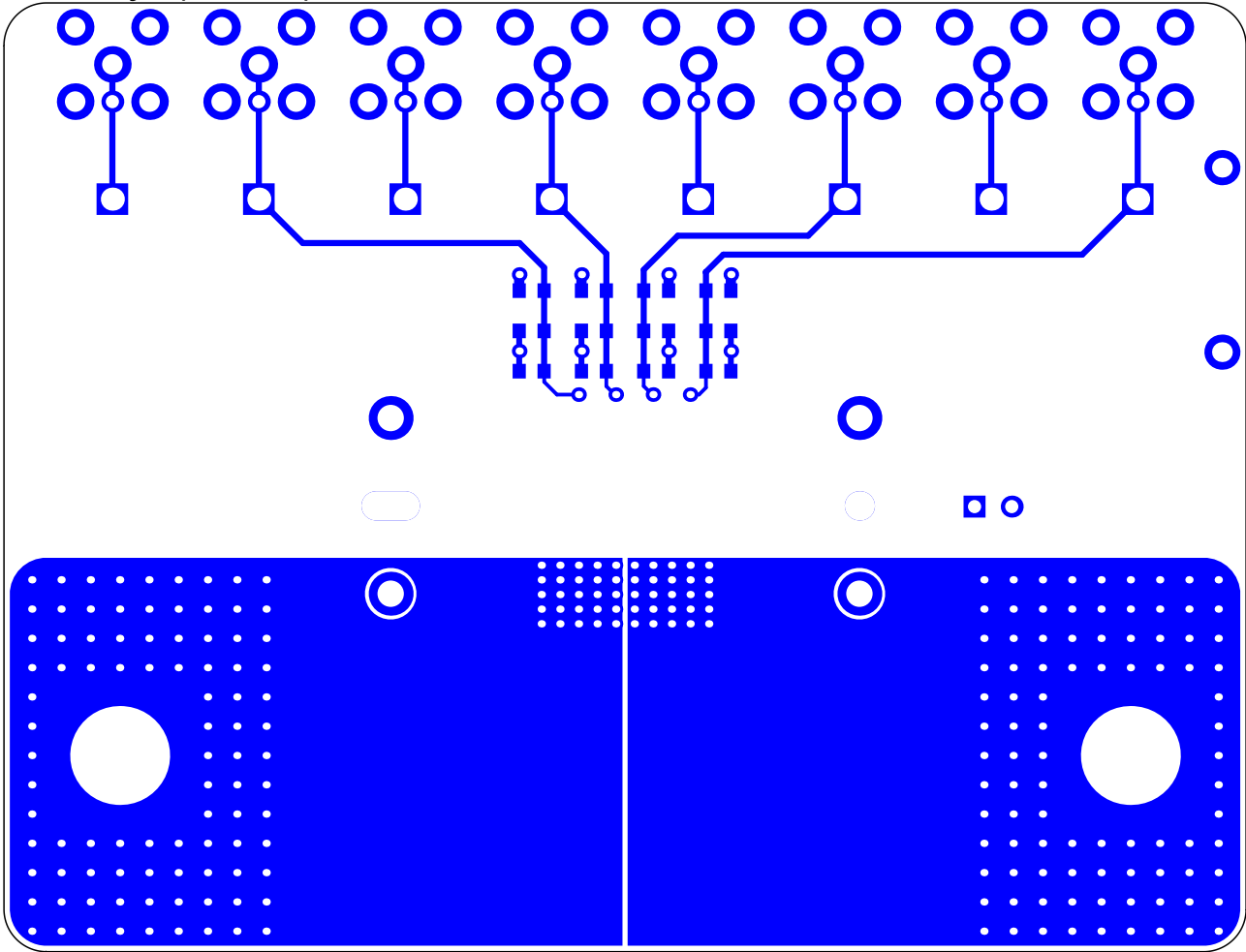
1

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		3/27/2023				
		TOLERANCES:	CHECKED			TITLE TED-0004111-R1			
		FRACTIONAL±	ENG APPR.						
		ANGULAR: MACH± BEND ±	MFG APPR.						
		TWO PLACE DECIMAL ±							
		THREE PLACE DECIMAL ±							
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			COMMENTS:			
		MATERIAL							
		FINISH							
NEXT ASSY	USED ON								
APPLICATION		DO NOT SCALE DRAWING							
			SCALE:	1:1	WEIGHT:			SHEET 4 OF 6	

A

B

C

D

A

B

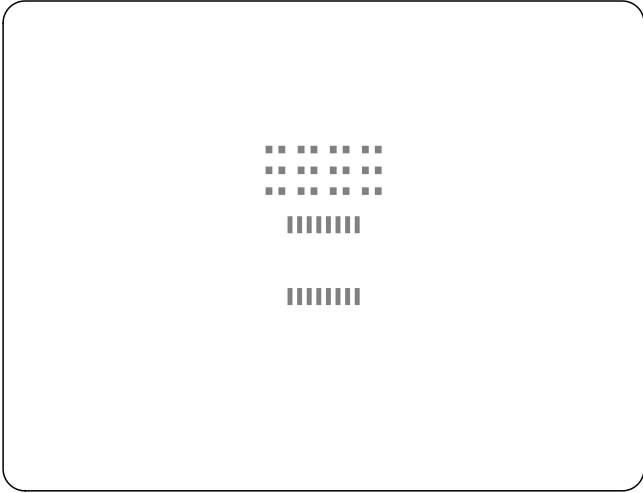
C

D

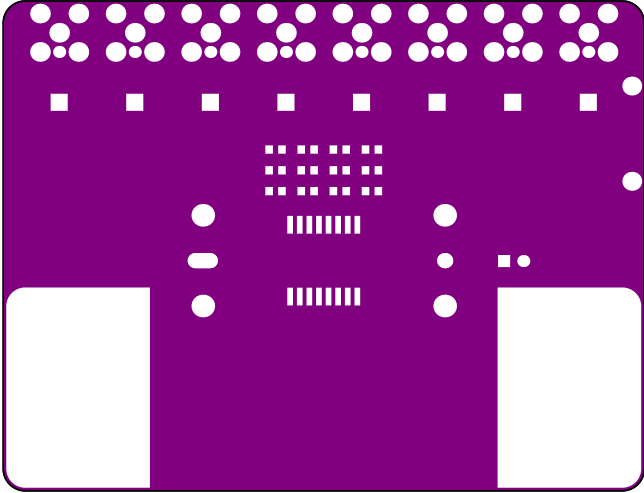
1

1

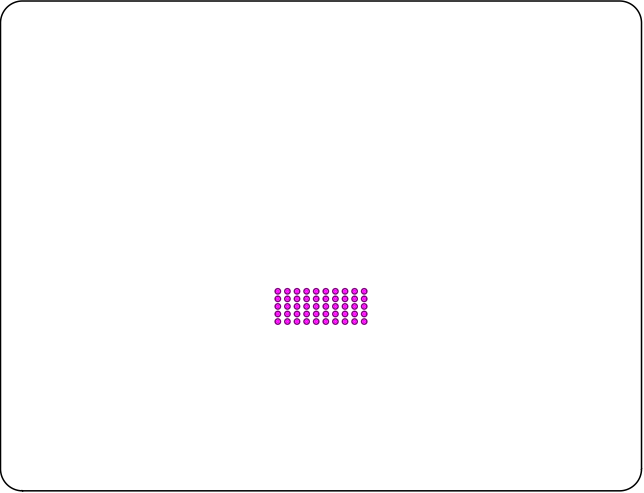
TopPaste (Scale 1:1)



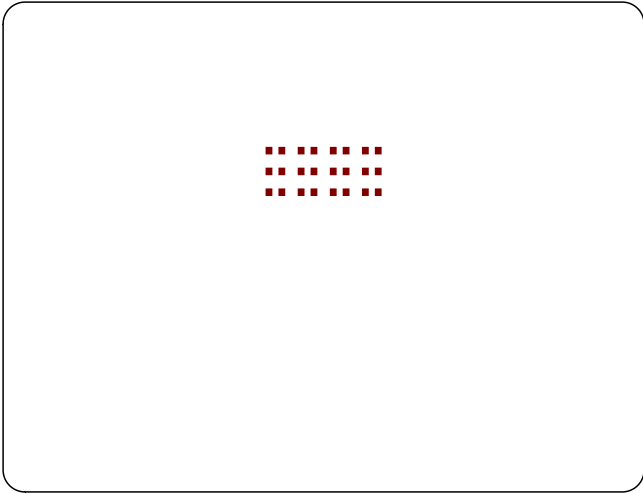
TopSolder (Scale 1:1)



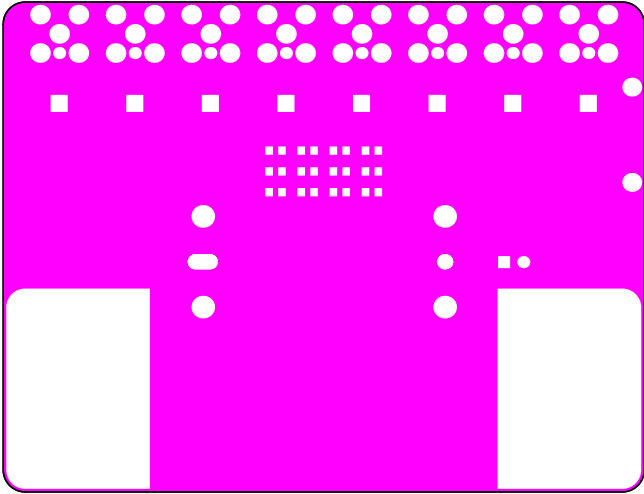
Filling (Scale 1:1)



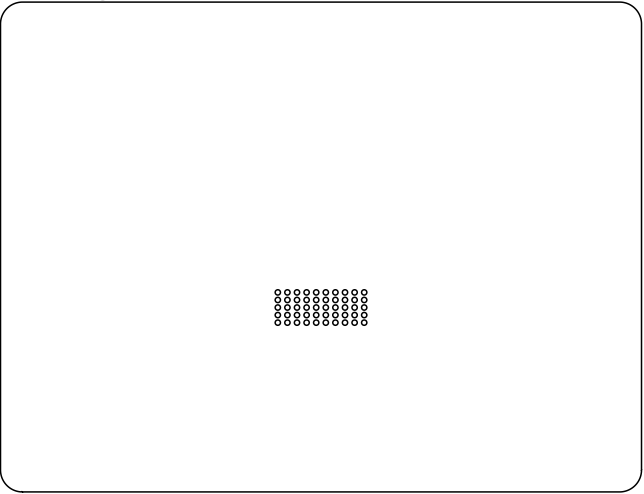
BottomPaste (Scale 1:1)



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		3/27/2023	TITLE TED-0004111-R1		
		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

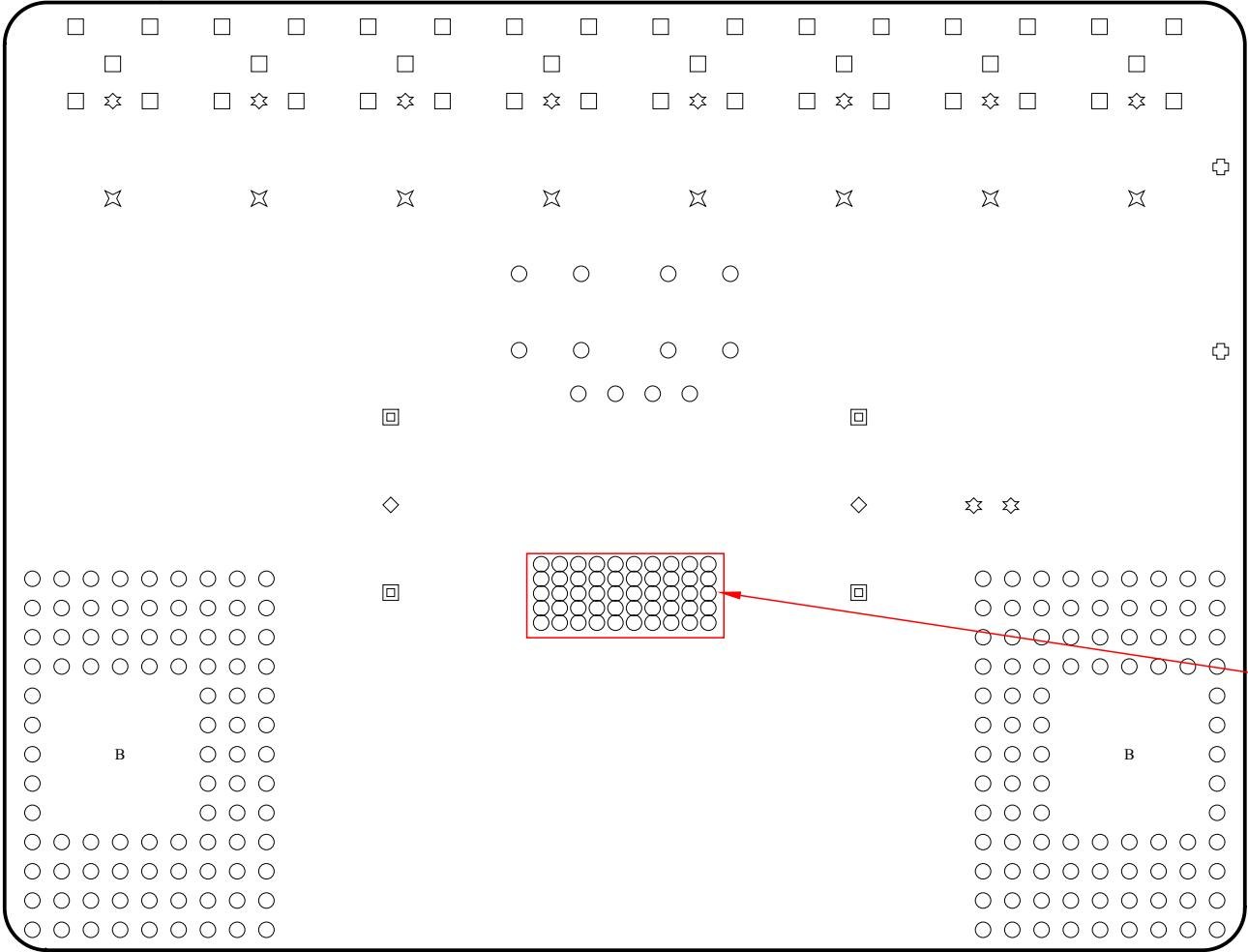
C

D

1

1

Drill Drawing View (Scale 2:1)



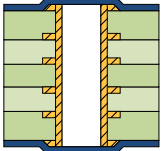
Drill Table - Plated

Symbol	Count	Hole Size	Hole Type	Drill Layer Pair	Via / Pad
○	246	0.500mm	Round	TopLayer - BottomLayer	Via
☆	10	0.900mm	Round	TopLayer - BottomLayer	Pad
⊕	2	1.350mm	Round	TopLayer - BottomLayer	Pad
□	40	1.400mm	Round	TopLayer - BottomLayer	Pad
✧	8	1.575mm	Round	TopLayer - BottomLayer	Pad
▣	4	1.800mm	Round	TopLayer - BottomLayer	Pad
B	2	6.756mm	Round	TopLayer - BottomLayer	Pad
	312 Total				

Drill Table - Non-Plated

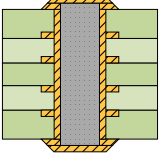
Symbol	Count	Hole Size	Hole Type	Drill Layer Pair	Via / Pad
◇	2	2.000mm	(Mixed)	TopLayer - BottomLayer	Pad
	2 Total				

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	3/27/2023	TITLE TED-0004111-R1		
		TOLERANCES:		CHECKED				
		FRACTIONAL±		ENG APPR.				
		ANGULAR: MACH± BEND ±		MFG APPR.				
		TWO PLACE DECIMAL ±		Q.A.		COMMENTS:		
		THREE PLACE DECIMAL ±						
		INTERPRET GEOMETRIC TOLERANCING PER:				SIZE DWG. NO.		
		MATERIAL						
		FINISH				SCALE: 1:1 WEIGHT: SHEET 6 OF 6		
NEXT ASSY	USED ON	DO NOT SCALE DRAWING						
APPLICATION								

A

B

C

D