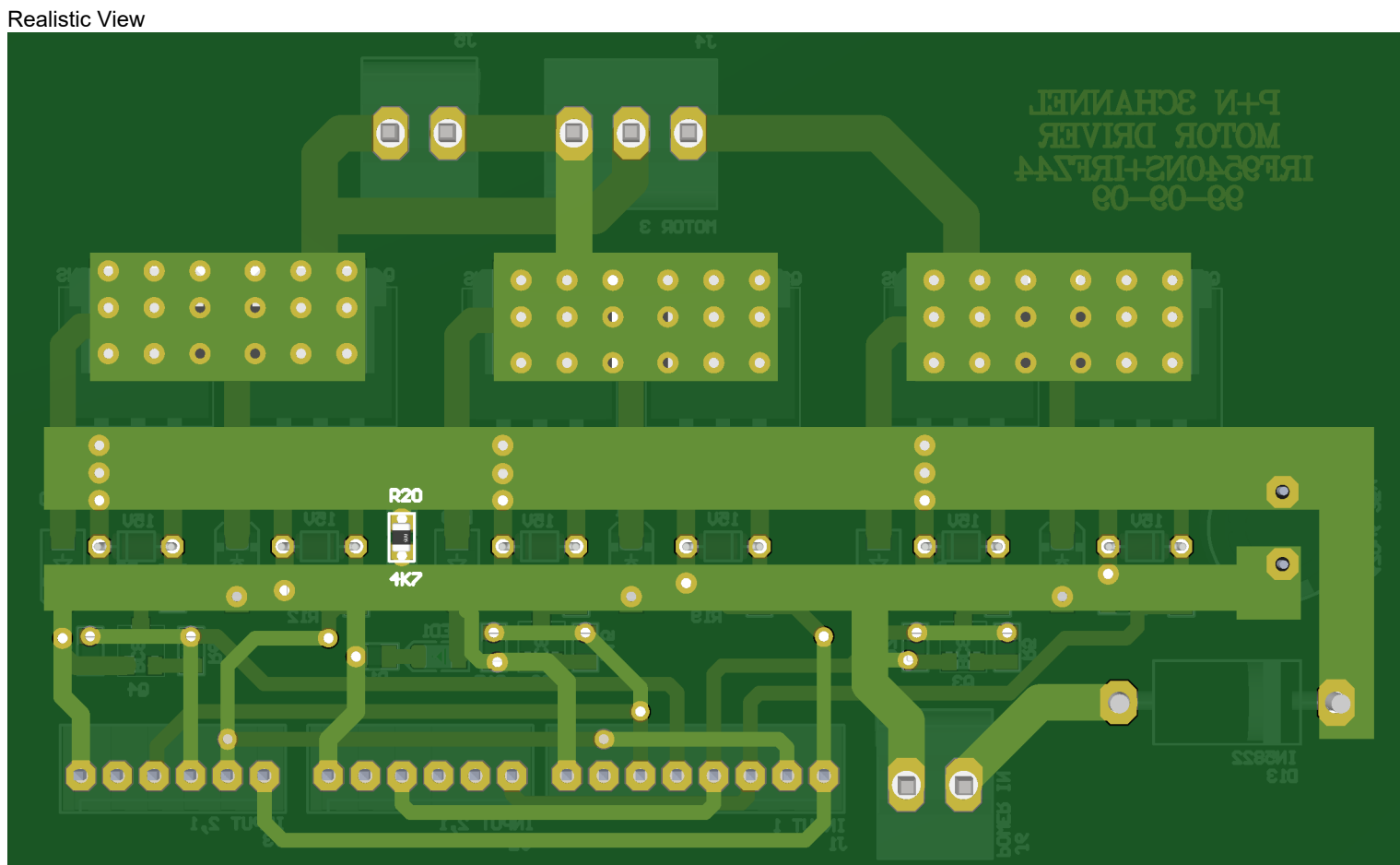
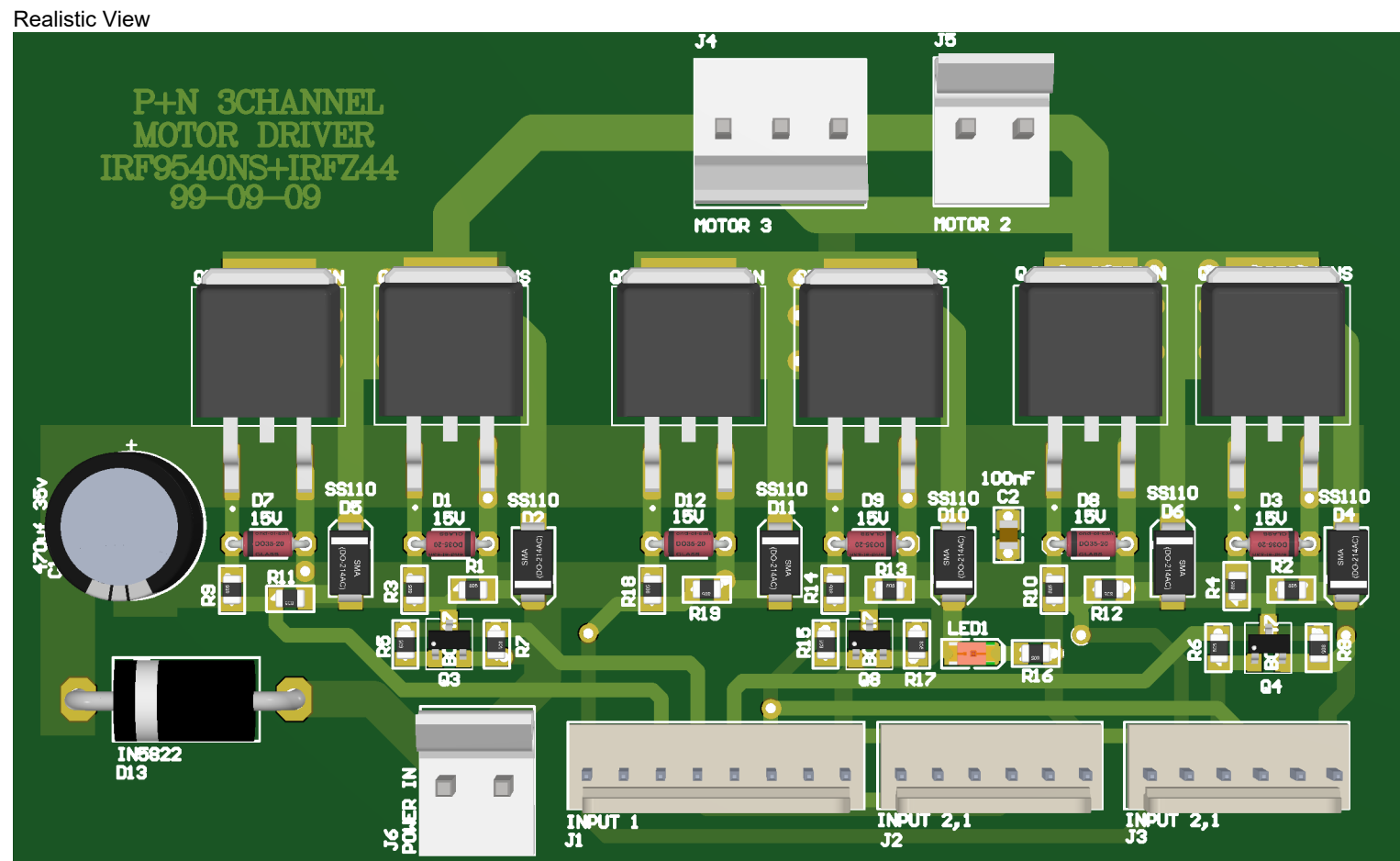


P+N CHANNEL MOSFET (IRF9540NS IRFZ44)

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

PROPRIETARY AND CONFIDENTIAL

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE				
		DIMENSIONS ARE IN INCHES	DRAWN	r.babazadeh	10/05/1400				
		TOLERANCES:	CHECKED			TITLE			
		FRACTIONAL ±	ENG APPR.						
		ANGULAR: MACH ± BEND ±	MFG APPR.						
		TWO PLACE DECIMAL ±							
		THREE PLACE DECIMAL ±				P+N CHANNEL MOSFET			
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.						
		MATERIAL	COMMENTS:			SIZE	DWG. NO.		
		FINISH							
	NEXT ASSY	USED ON							
APPLICATION		DO NOT SCALE DRAWING	SCALE: 1:1 WEIGHT: SHEET 1 OF 10						



Board Realistic View

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF IS PROPRIETARY AND CONFIDENTIAL			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE P+N CHANNEL MOSFET		
			DIMENSIONS ARE IN INCHES	DRAWN	r.babazadeh	10/05/1400			
			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:				SCALE: 1:1	WEIGHT:	SHEET 2 OF 10
			MATERIAL						
			FINISH						
	NEXT ASSY	USED ON	DO NOT SCALE DRAWING						
	APPLICATION								

1

2

3

4

A

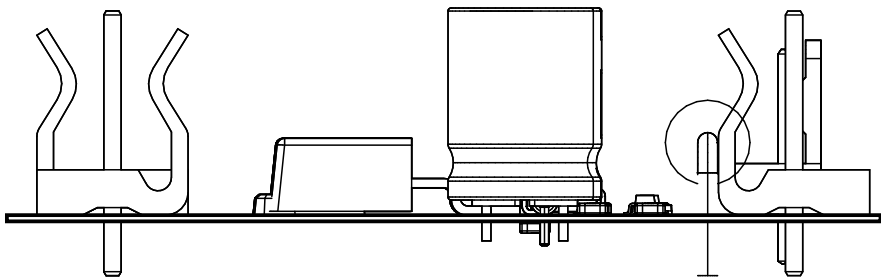
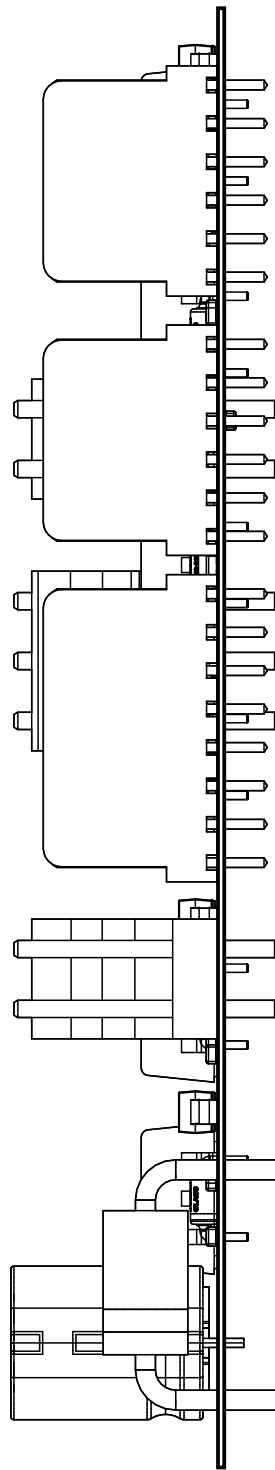
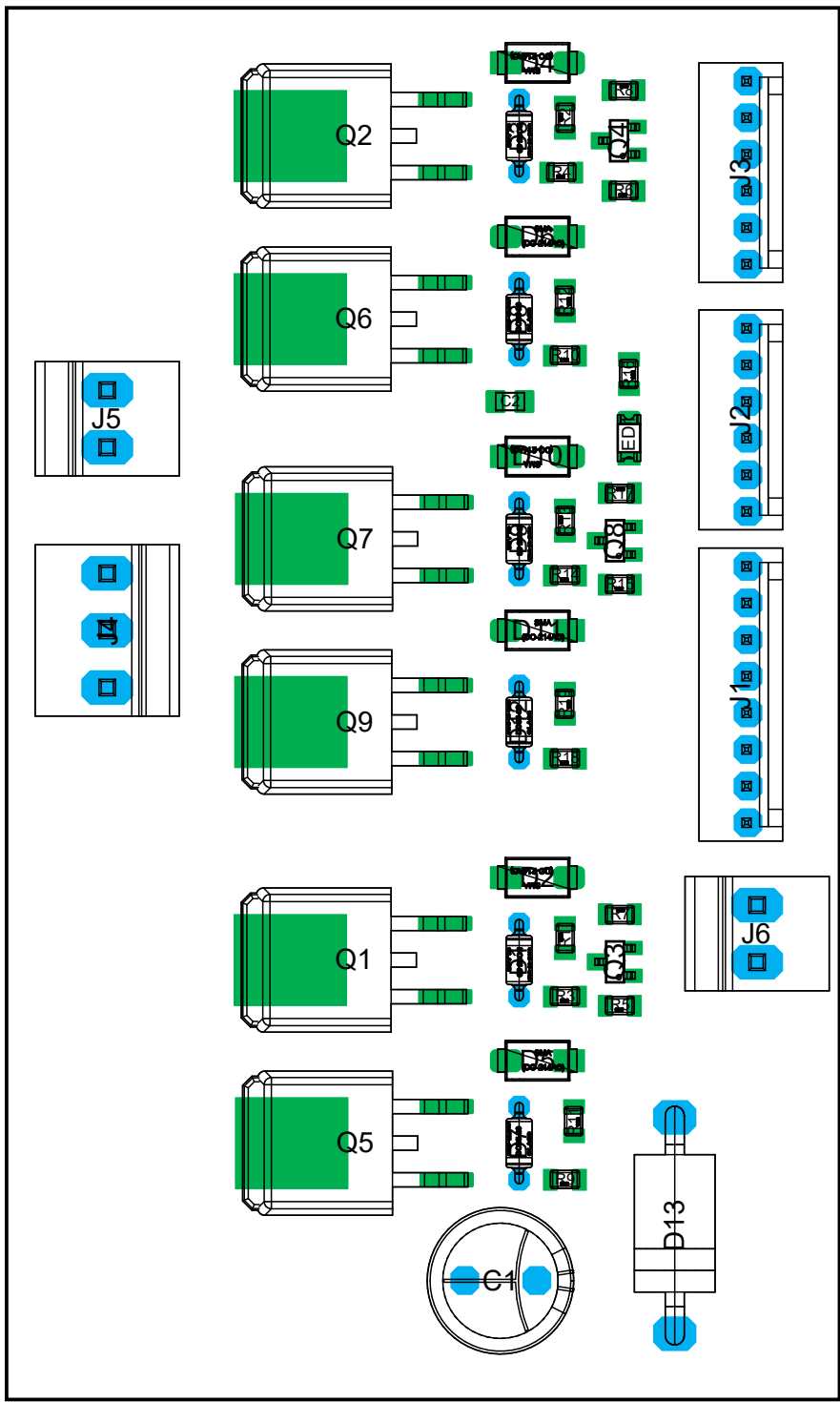
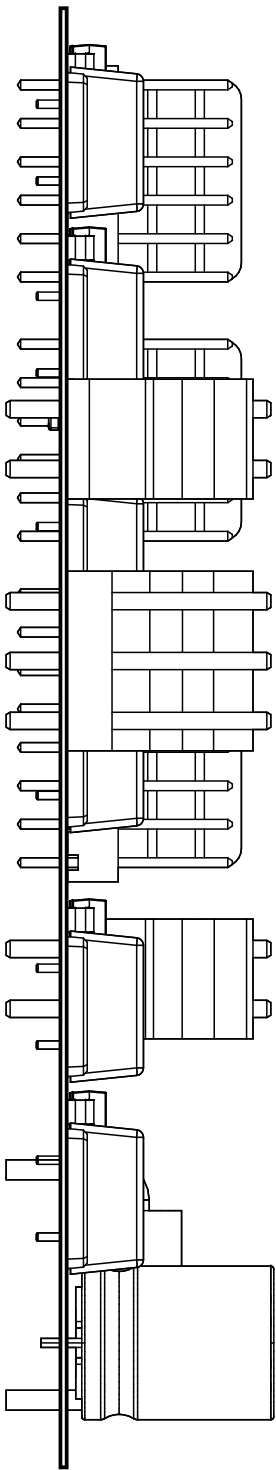
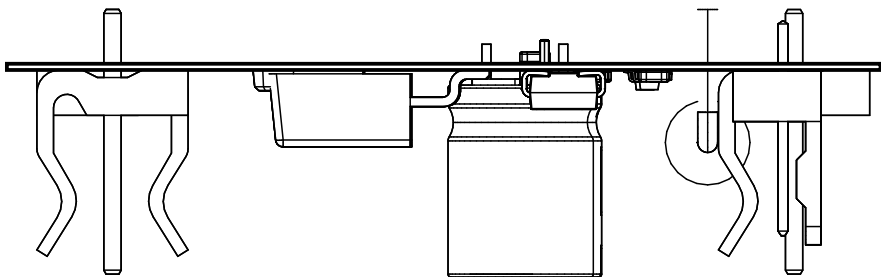
B

C

D

E

F



1

2

3

4

Board Assembly View

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF IS PROPRIETARY AND CONFIDENTIAL			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE			
			DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN	r.babazadeh	10/05/1400				
			INTERPRET GEOMETRIC TOLERANCING PER:	CHECKED			P+N CHANNEL MOSFET			
			MATERIAL	ENG APPR.						
			FINISH	MFG APPR.						
				Q.A.						
				COMMENTS:			SIZE	DWG. NO.		
	NEXT ASSY	USED ON								
APPLICATION		DO NOT SCALE DRAWING	SCALE: 1:1 WEIGHT: SHEET 3 OF 10							

A

B

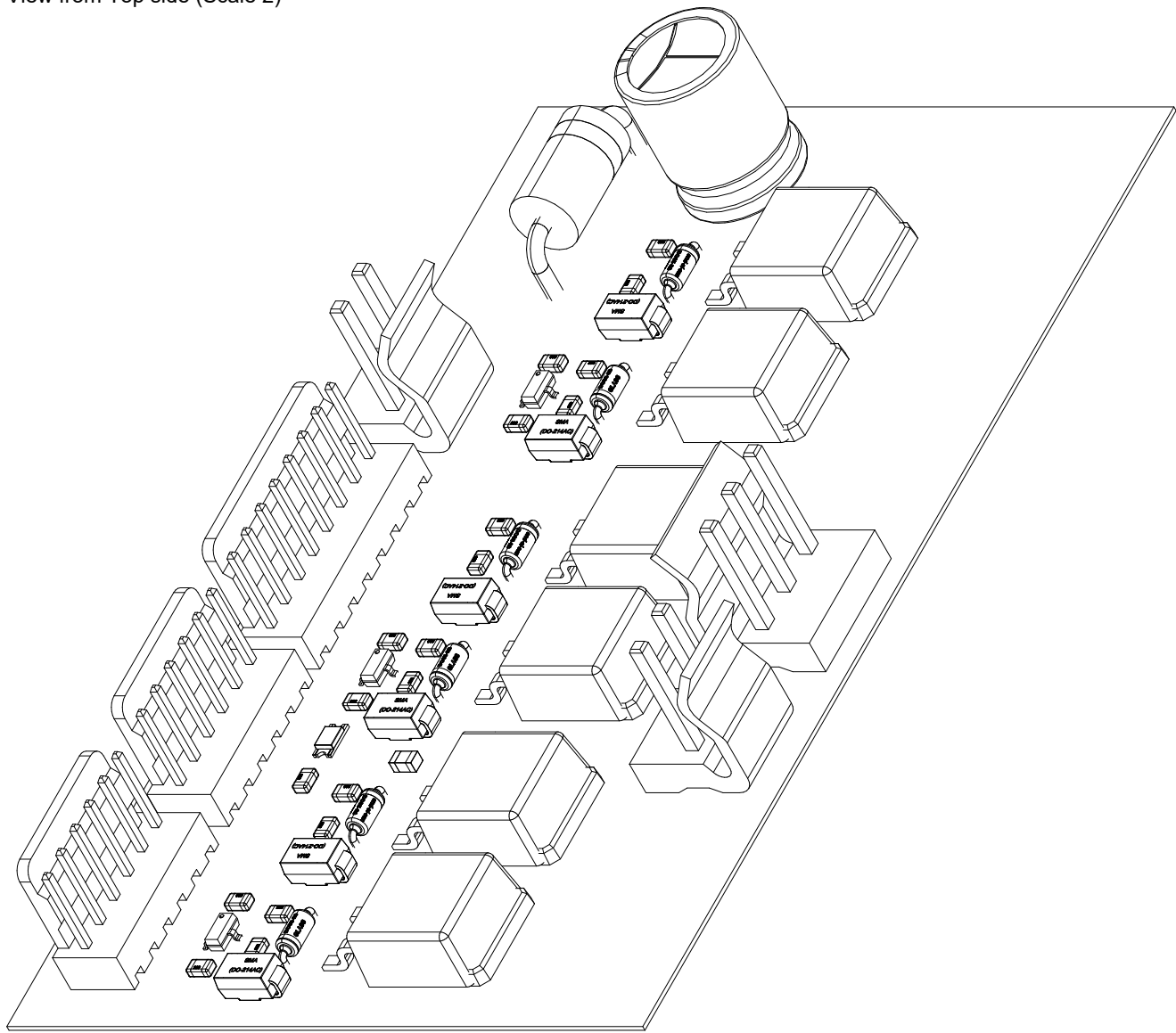
C

D

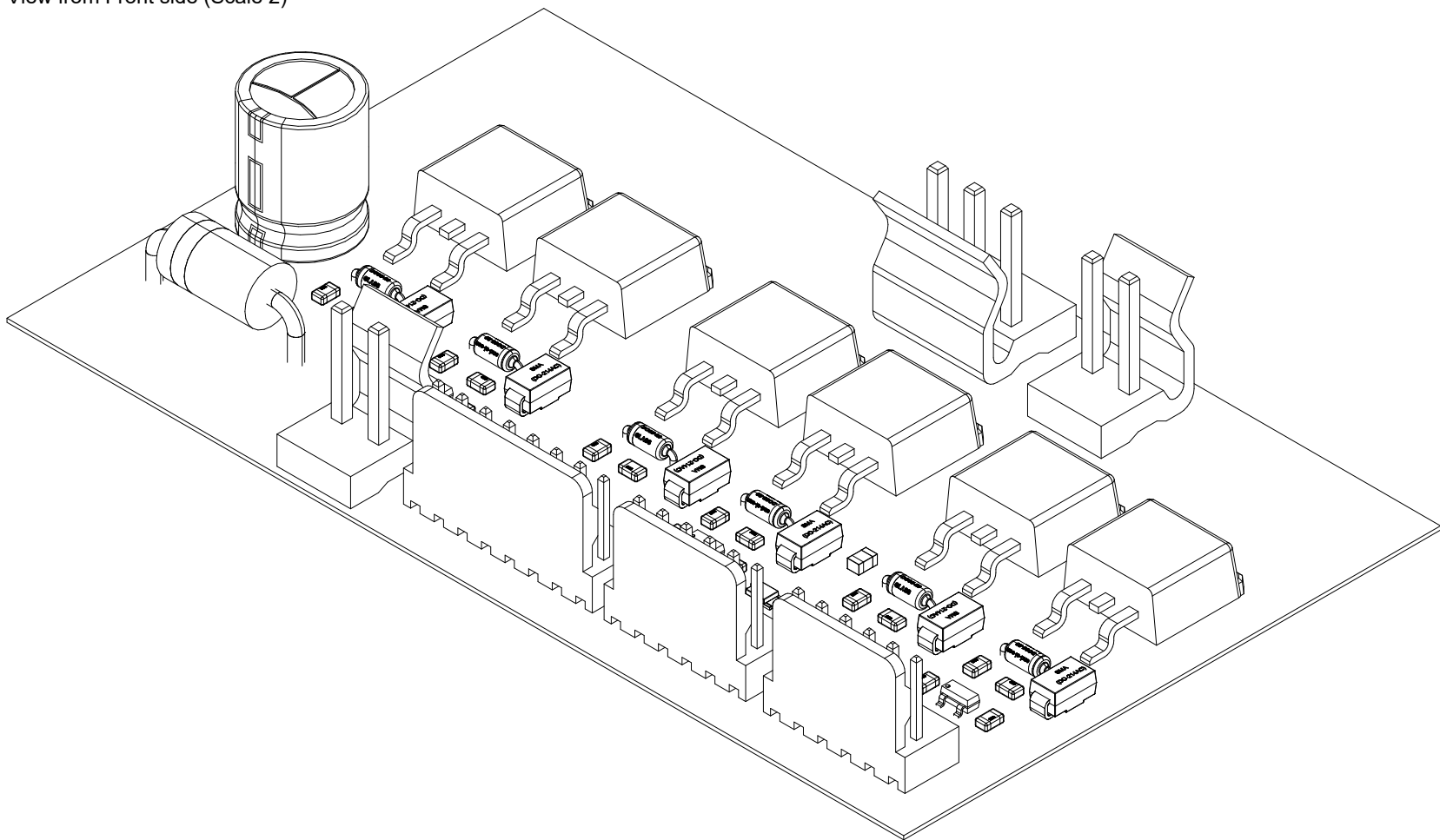
E

F

View from Top side (Scale 2)



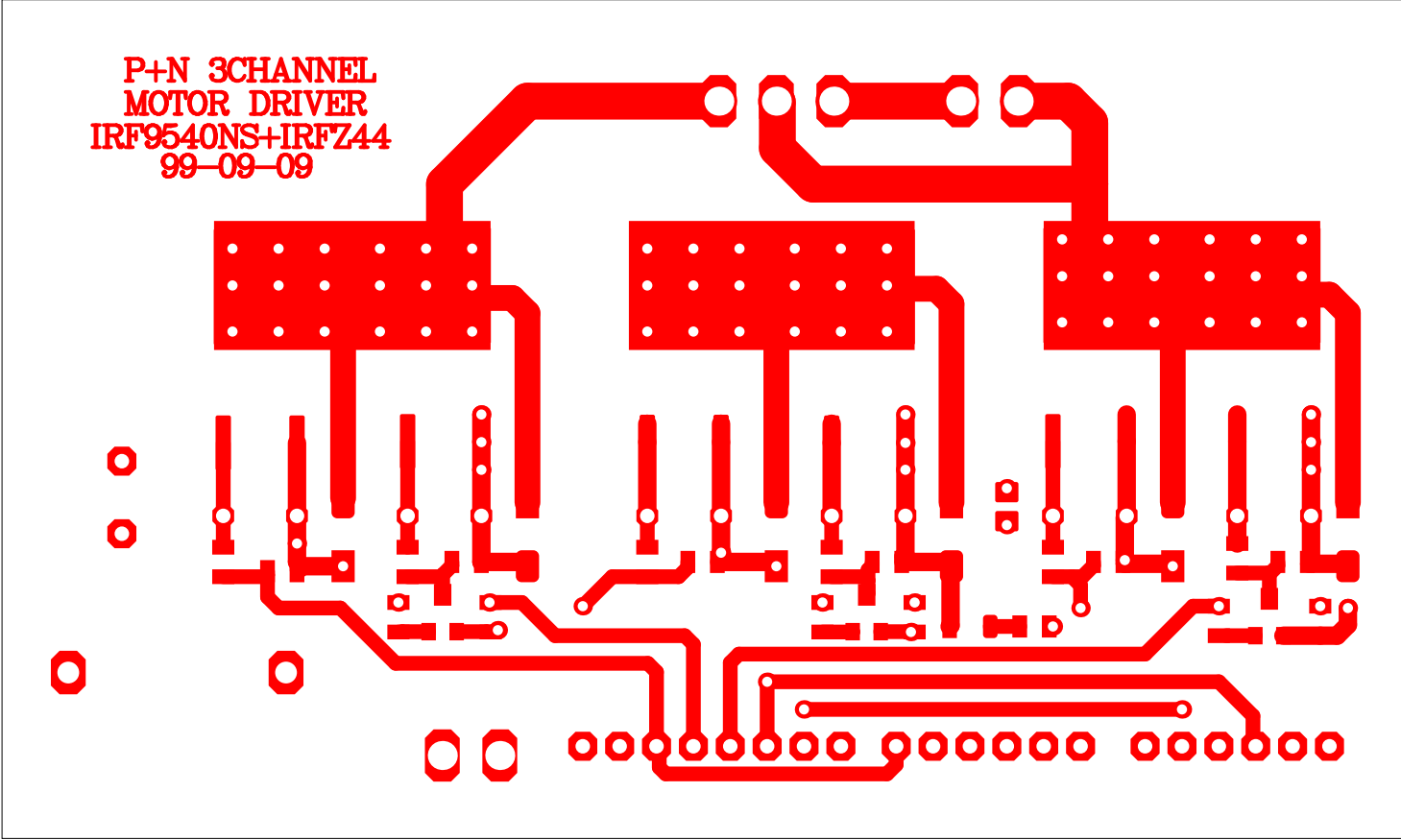
View from Front side (Scale 2)



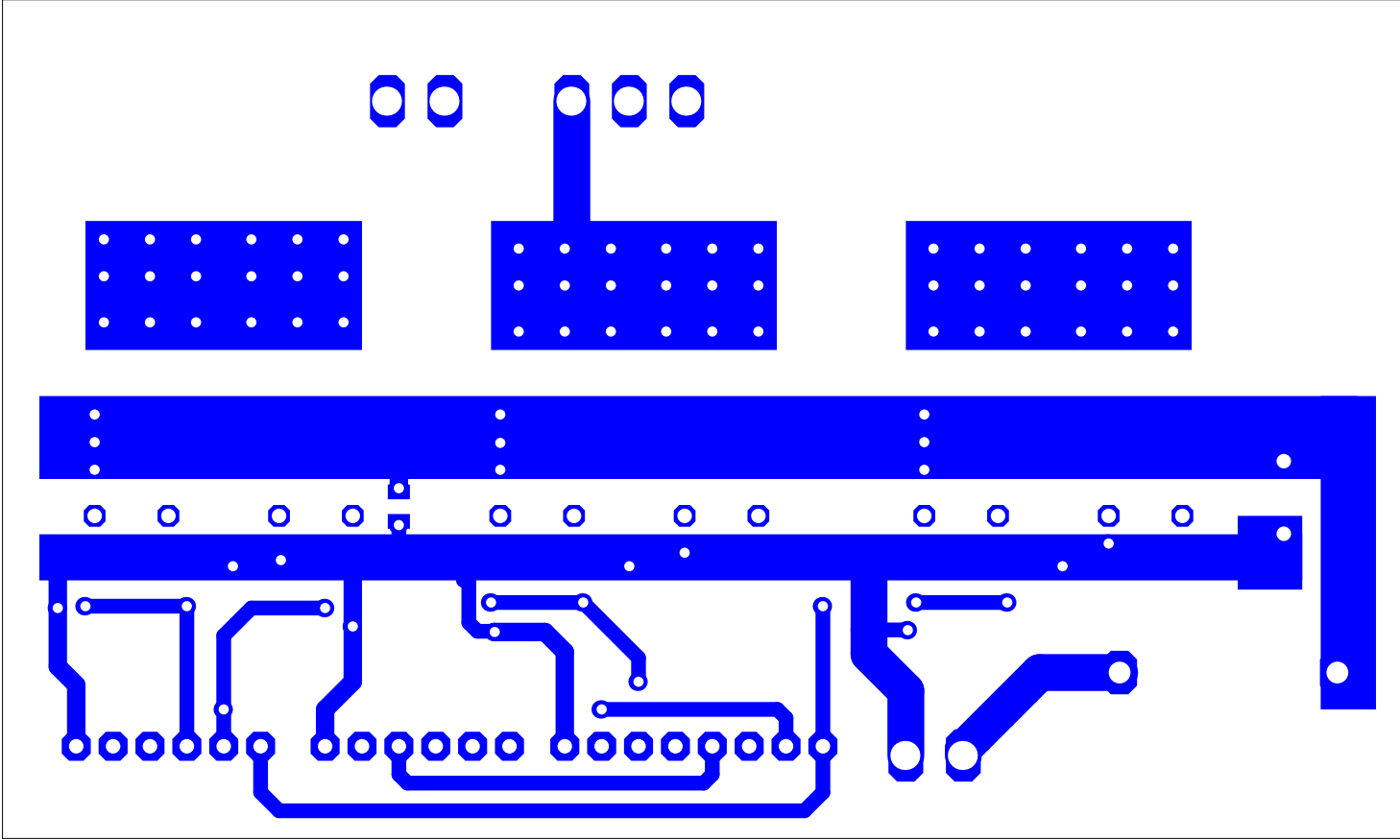
Board Isometric View

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF IS PROPRIETARY AND CONFIDENTIAL			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE P+N CHANNEL MOSFET		
			DIMENSIONS ARE IN INCHES	DRAWN	r.babazadeh	10/05/1400			
			TOLERANCES:	CHECKED					
			FRACTIONAL ±	ENG APPR.					
			ANGULAR: MACH ± BEND ±	MFG APPR.			COMMENTS:		
			TWO PLACE DECIMAL ±	Q.A.					
			THREE PLACE DECIMAL ±				SIZE	DWG. NO.	
			INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: 1:1	WEIGHT:	SHEET 4 OF 10
			MATERIAL						
			FINISH						
	NEXT ASSY	USED ON	DO NOT SCALE DRAWING						
	APPLICATION								

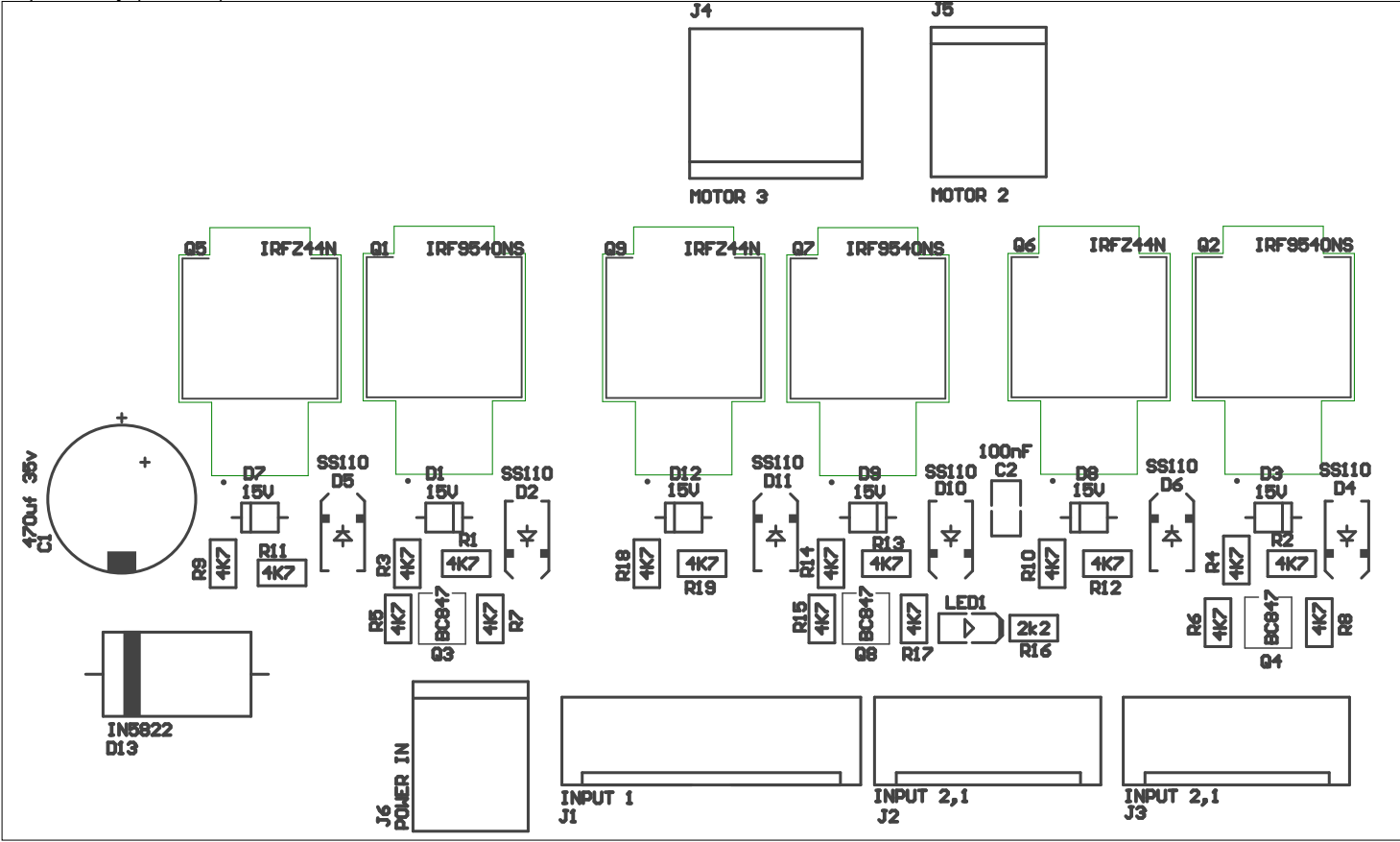
Top Layer (Scale 2)



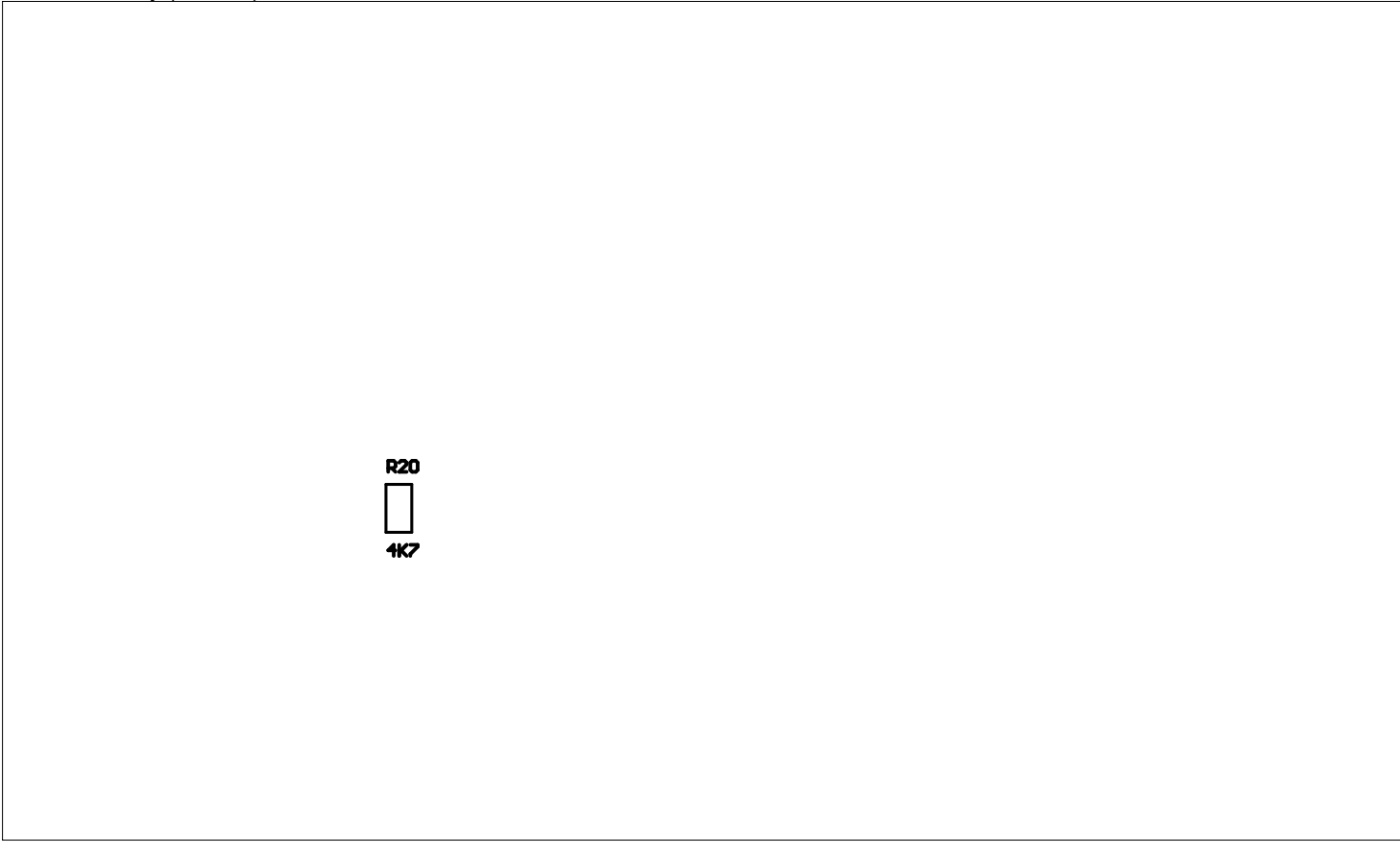
Bottom Layer (Scale 2)



Top Overlay (Scale 2)

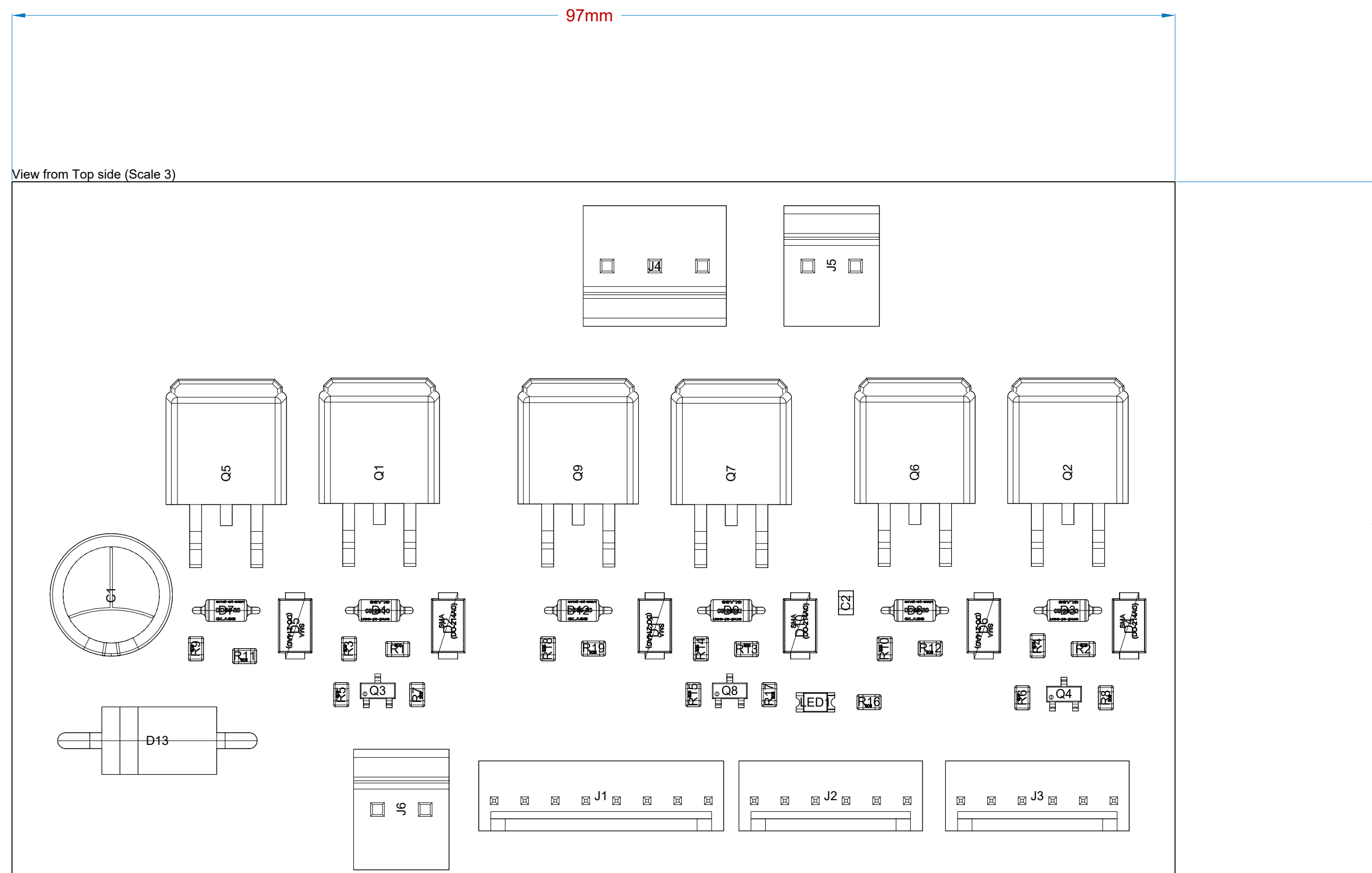


Bottom Overlay (Scale 2)



Board Fabrication View

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF IS PROPRIETARY AND CONFIDENTIAL			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE P+N CHANNEL MOSFET		
			DIMENSIONS ARE IN INCHES	DRAWN	r.babazadeh	10/05/1400			
			TOLERANCES:	CHECKED					
			FRACTIONAL ±	ENG APPR.					
			ANGULAR: MACH ± BEND ±	MFG APPR.			SIZE DWG. NO.		
			TWO PLACE DECIMAL ±	Q.A.					
			THREE PLACE DECIMAL ±	COMMENTS:			SCALE: 1:1 WEIGHT: SHEET 5 OF 10		
			INTERPRET GEOMETRIC TOLERANCING PER:						
			MATERIAL						
			FINISH						
	NEXT ASSY	USED ON	DO NOT SCALE DRAWING						
	APPLICATION								



Board Diameter View

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF IS PROPRIETARY AND CONFIDENTIAL			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE P+N CHANNEL MOSFET		
			DIMENSIONS ARE IN INCHES	DRAWN	r.babazadeh	10/05/1400			
			TOLERANCES:	CHECKED					
			FRACTIONAL ±	ENG APPR.					
			ANGULAR: MACH± BEND ±	MFG APPR.					
			TWO PLACE DECIMAL ±	Q.A.			SIZE DWG. NO.		
			THREE PLACE DECIMAL ±	COMMENTS:					
			INTERPRET GEOMETRIC TOLERANCING PER:						
			MATERIAL						
			FINISH				SCALE: 1:1WEIGHT: SHEET 6 OF 10		
NEXT ASSY	USED ON								
APPLICATION		DO NOT SCALE DRAWING							

1

2

3

4

A

B

C

D

E

F

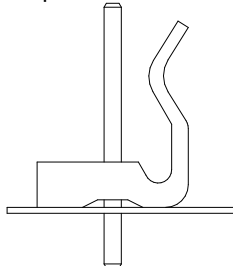
1

2

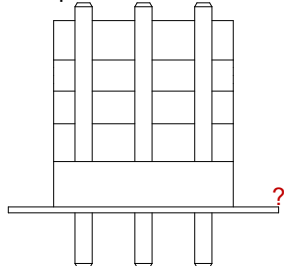
3

4

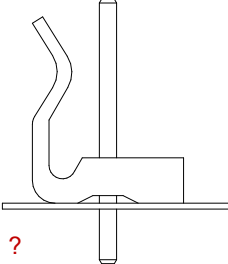
Component View MOTOR 3(PWL_3) (Scale 2)



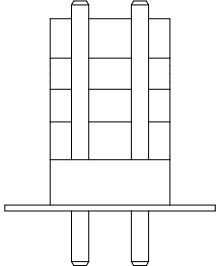
Component View MOTOR 3(PWL_3) (Scale 2)



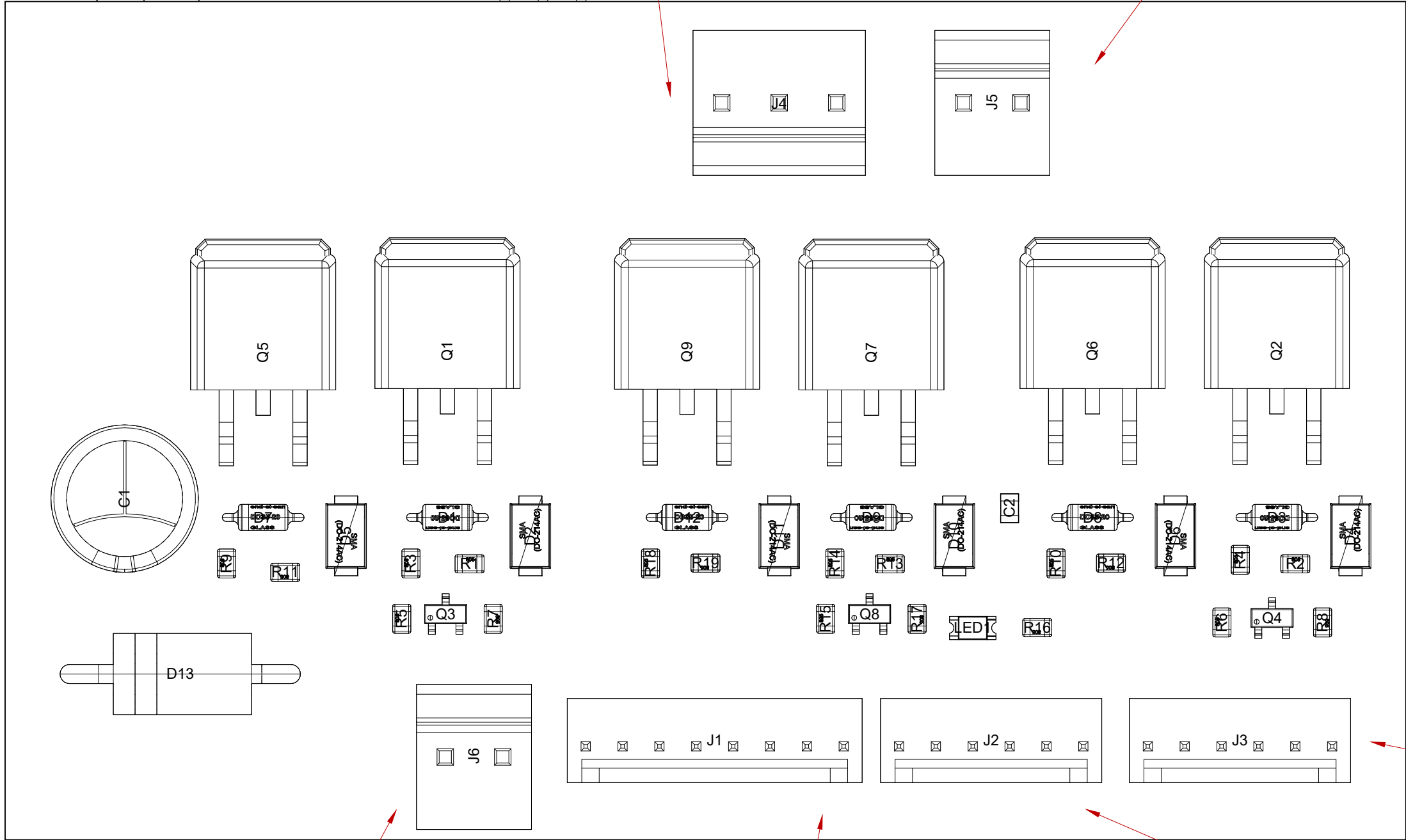
Component View MOTOR 2(PWL_2) (Scale 2)



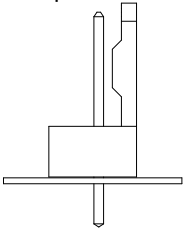
Component View MOTOR 2(PWL_2) (Scale 2)



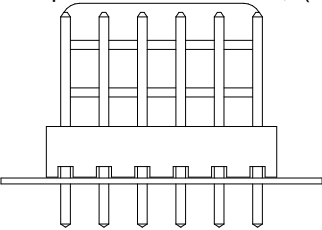
View from Top side (Scale 3)



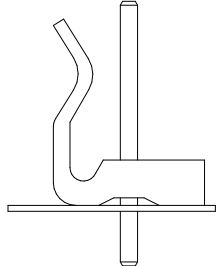
Component View INPUT 2,1(WF_6) (Scale 2)



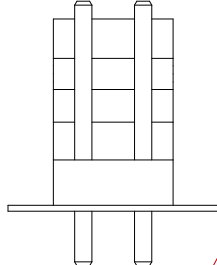
Component View INPUT 2,1(WF_6) (Scale 2)



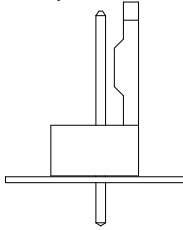
Component View POWER IN(PWL_2) (Scale 2)



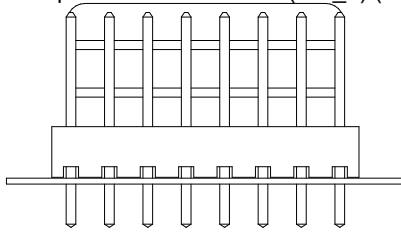
Component View POWER IN(PWL_2) (Scale 2)



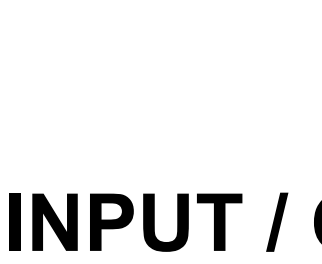
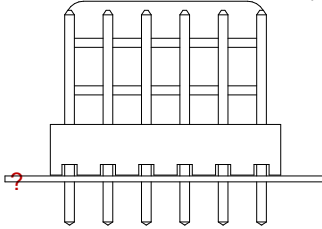
Component View INPUT 1(WF_8) (Scale 2)



Component View INPUT 1(WF_8) (Scale 2)



Component View INPUT 2,1(WF_6) (Scale 2)



INPUT / OUTPUT

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

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE			
		DIMENSIONS ARE IN INCHES	DRAWN	r.babazadeh	10/05/1400			
		TOLERANCES:	CHECKED			TITLE		
		FRACTIONAL ±	ENG APPR.			P+N CHANNEL MOSFET		
		ANGULAR: MACH ± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±	Q.A.					
		THREE PLACE DECIMAL ±	COMMENTS:			SIZE	DWG. NO.	
		INTERPRET GEOMETRIC TOLERANCING PER:				SCALE:	1:1	WEIGHT:
		MATERIAL						SHEET 8 OF 10
		FINISH						
NEXT ASSY	USED ON	DO NOT SCALE DRAWING						
APPLICATION								

1

2

3

4

A

B

C

D

E

F

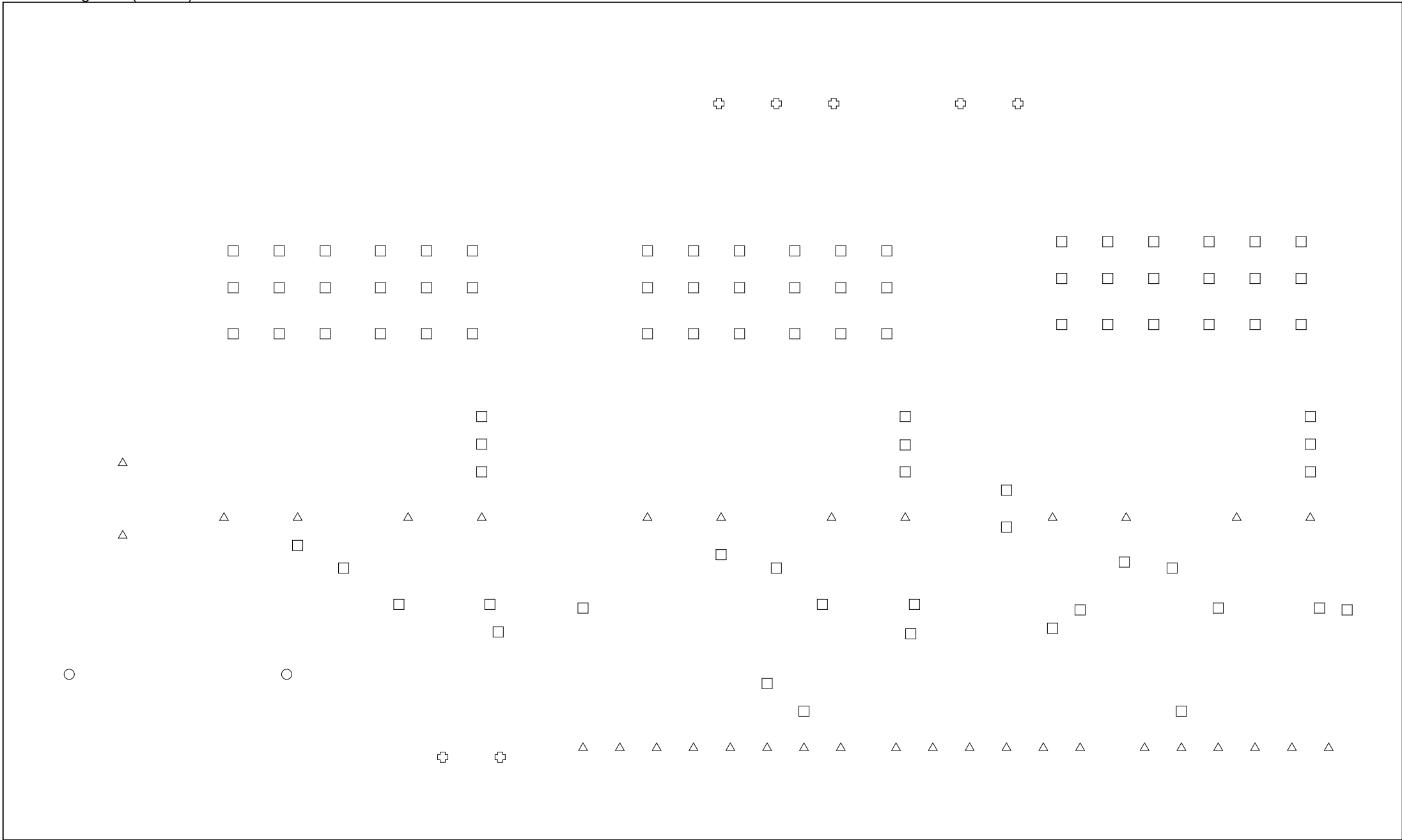
1

2

3

4

Drill Drawing View (Scale 3)

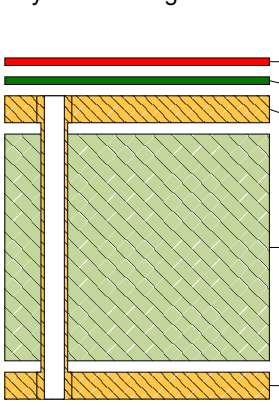


Drill Table				
Symbol	Count	Hole Size	Plated	Hole Tolerance
□	86	1mm	Plated	
△	34	1mm	Plated	
○	2	1mm	Plated	
⊕	7	2mm	Plated	
	129 Total			

Drill

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF IS PROPRIETARY AND CONFIDENTIAL			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE P+N CHANNEL MOSFET			
			DIMENSIONS ARE IN INCHES	DRAWN	r.babazadeh	10/05/1400				
			TOLERANCES:	CHECKED						
			FRACTIONAL ±	ENG APPR.						
			ANGULAR: MACH± BEND ±				COMMENTS:			
			TWO PLACE DECIMAL ±	MFG APPR.						
			THREE PLACE DECIMAL ±							
			INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.						
			MATERIAL				SIZE DWG. NO.			
			FINISH							
	NEXT ASSY	USED ON	DO NOT SCALE DRAWING				SCALE: 1:1 WEIGHT: SHEET 9 OF 10			
	APPLICATION									

Layer Stack Legend

Layer Stack Legend		Material	Layer	Thickness	Dielectric Material	Type	Gerber
			Top Overlay			Legend	GTO
		Surface Material	Top Solder	0mm	Solder Resist	Solder Mask	GTS
	Copper	Top Layer	0mm		Signal	GTL	
				0mm	FR-4	Dielectric	
	Copper	Bottom Layer	0mm		Signal	GBL	
		Surface Material	Bottom Solder	0mm	Solder Resist	Solder Mask	GBS
			Bottom Overlay			Legend	GBO
	Total thickness: 0mm						

Layer Stack Legend

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF IS PROPRIETARY AND CONFIDENTIAL			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE		
			DIMENSIONS ARE IN INCHES	DRAWN	r.babazadeh	10/05/1400			
			TOLERANCES:	CHECKED					
			FRACTIONAL ±	ENG APPR.					
			ANGULAR: MACH ± BEND ±	MFG APPR.			P+N CHANNEL MOSFET		
			TWO PLACE DECIMAL ±						
			THREE PLACE DECIMAL ±						
			INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.					
		MATERIAL	COMMENTS:			SIZE	DWG. NO.		
NEXT ASSY	USED ON	FINISH							
APPLICATION		DO NOT SCALE DRAWING		SCALE: 1:1			WEIGHT:	SHEET 10 OF 10	