

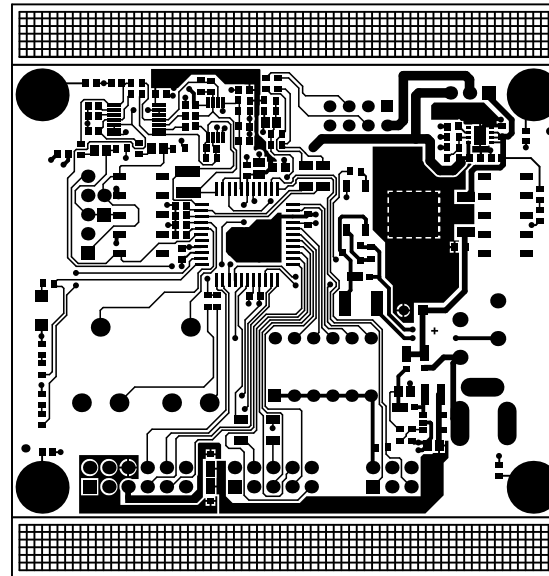
# PCB Documentation / Specification

Mechanical Data		File	
Layer		2	
SMT		X	Top side - Bottom side
THT		-	Top side - Bottom side
Board size		76 x 74	mm
milling (fräsen)		-	- mm
V-scoring (ritzen / kerben)		X	148 mm
Material Data			
Material		X	FR-4 - Other:
PCB thickness (finished board)		X	1.6mm - Other:
Final CU thickness external		X	35 um - Other:
Final CU thickness internal		-	17 um - Other:
Soldermask			
Solder resist Top	.GTS	-	Standard X Other: Blue
Solder resist Bottom	.GBS	-	Standard X Other: Blue
Prints / Masks			
Silkscreen Top	.GM9	X	White - Other:
Silkscreen Bottom	.GM10	X	White - Other:
Peelable mask (Bluemask)		-	Top side - Bottom side - Standard - Other:
Carbon		-	Top side - Bottom side - Standard - Other:
Other:		-	Top side - Bottom side - Standard - Other:
UL Label		-	Top side - Bottom side Position: anywhere
Pb free Label		-	Top side - Bottom side Position: anywhere
Other		-	Top side - Bottom side Position: anywhere
Finish			
HAL (Hot-Air-Levelling), Lead-Free		-	
Electroless Nickel / Imm. Gold (ENIG)		X	Thickness of Ni. [std.] um of Au. [std.] um
Other:		-	Chemical Tin
Gerber production data			
Unit / Format :		X	mil - 2:3 (1mil) X 2:4 (0.1mil) - 2:5 (0.01mil)
Unit / Format :		-	mm - 4:2 (10um) - 4:3 (1um) - 4:4 (0.1um)
Drilling			
see Drill Drawing and Drillertable	.DRR		
Solderpaste			
Solderpaste Top	.GTP	-	
Solderpaste Bottom	.GBP	-	
Clearance / Tolerances			
External Layer		5 mil / 127 um	
Internal Layer		5 mil / 127 um	
External Dimensions		X +/- 0.1mm - Other:	
-			
-			

Layer Stackup		File
1	Top Layer	.GTL
2	Bottom Layer	.GBL
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

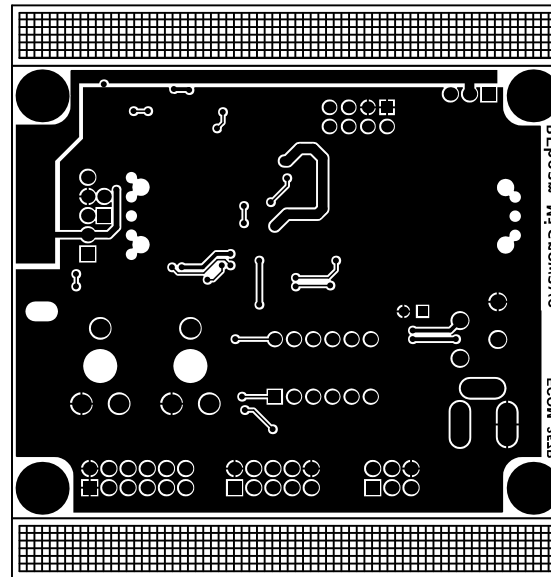
Notes

RFbeam	Filename	ECOM_357A_SPEC.PcbDoc	Prepared	RS
	Projekt	RSP1_Eval-Kit	Reviewed	UG
	Printitem	ECOM_357	Rev.	A
	Layer	PCB Specification		
	Plot	positiv if text black	Scale	SCALE: 1.05
	Date	27.10.2014	Time	14:47:07
	Plotname	Multilayer Composite Print		
RFbeam Microwave GmbH      Farbgutstrasse 3      9008 St.Gallen				



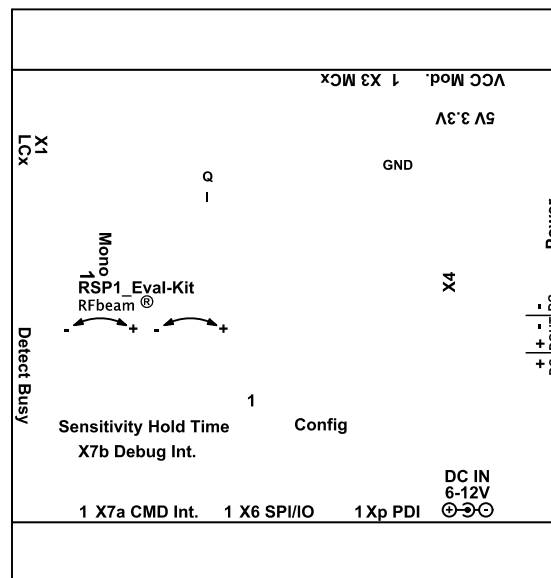
RFbeam

Filename	ECOM_357A.PcbDoc	Prepared	RS
Projekt	RSP1_Eval-Kit	Reviewed	UG
Printitem	ECOM_357	Rev.	A
Layer	TopLayer		
Film	positiv if text black	Scale	SCALE: 1.00
Date	27.10.2014	Time	14:47:08
Plotname	Top Layer		



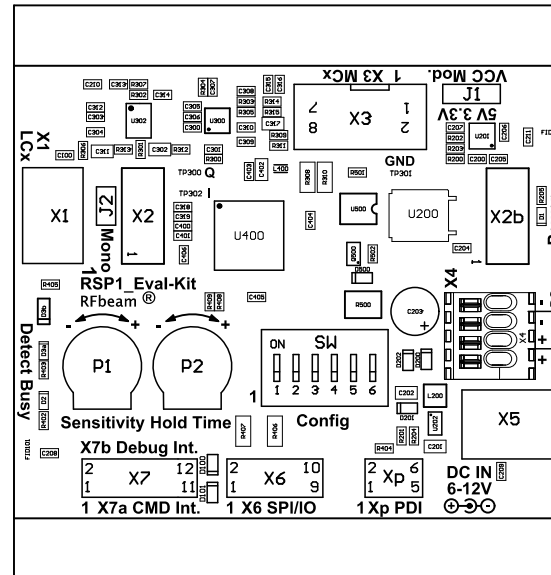
RFbeam

Filename	ECOM_357A.PcbDoc	Prepared	RS
Projekt	RSP1_Eval-Kit	Reviewed	UG
Printitem	ECOM_357	Rev.	A
Layer	BottomLayer		
Film	positiv if text black	Scale	SCALE: 1.00
Date	27.10.2014	Time	14:47:08
Plotname	Bottom Layer		



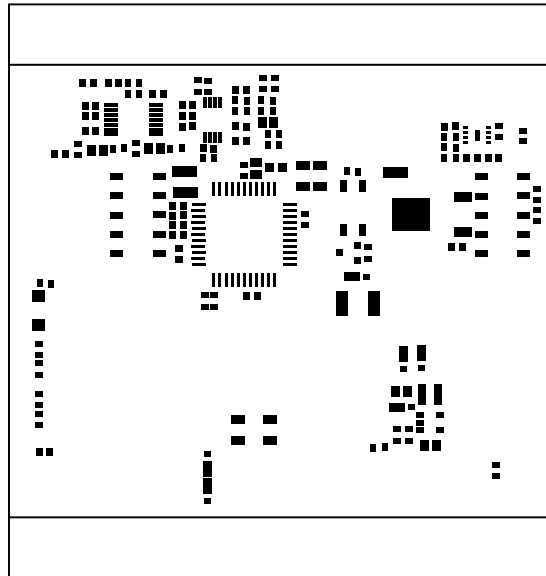
RFbeam

Filename	ECOM_357A.PcbDoc	Prepared	RS
Projekt	RSP1_Eval-Kit	Reviewed	UG
Printitem	ECOM_357	Rev.	A
Layer	Silkscreen Top		
Film	positiv if text black	Scale	SCALE: 1.00
Date	27.10.2014	Time	14:47:08
Plotname	Top Silkscreen		



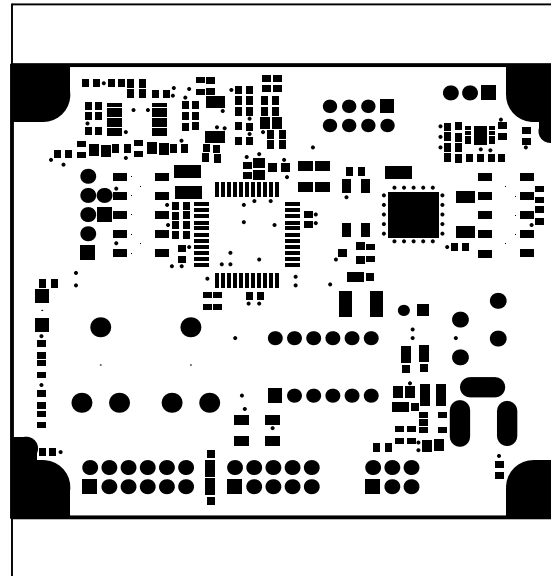
RFbeam

Filename	ECOM_357A.PcbDoc	Prepared	RS
Projekt	RSP1_Eval-Kit	Reviewed	UG
Printitem	ECOM_357	Rev.	A
Layer	TopOverlay		
Plot	positiv if text black	Scale	SCALE: 1.00
Date	27.10.2014	Time	14:47:08
Plotname	Top Component Placment		



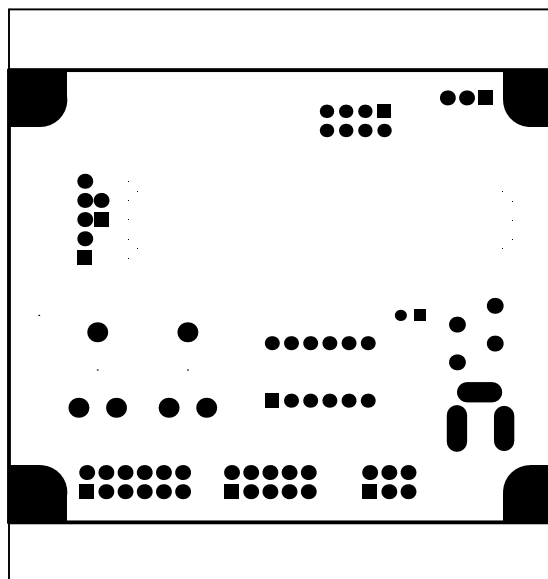
RFbeam

Filename	ECOM_357A.PcbDoc	Prepared	RS
Projekt	RSP1_Eval-Kit	Reviewed	UG
Printitem	ECOM_357	Rev.	A
Layer	TopPaste		
Film	positiv if text black	Scale	SCALE: 1.00
Date	27.10.2014	Time	14:47:08
Plotname	Top Paste Mask Print		



RFbeam

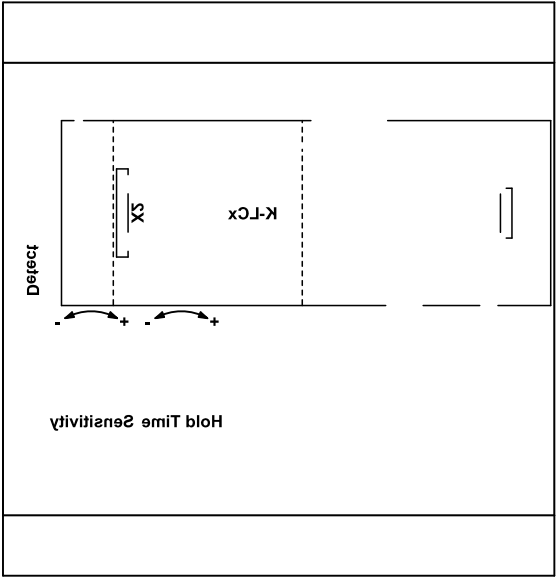
Filename	ECOM_357A.PcbDoc	Prepared	RS
Projekt	RSP1_Eval-Kit	Reviewed	UG
Printitem	ECOM_357	Rev.	A
Layer	TopSolder		
Film	negativ if text black	Scale	SCALE: 1.00
Date	27.10.2014	Time	14:47:09
Plotname	Top Solder Mask Print		



RFbeam

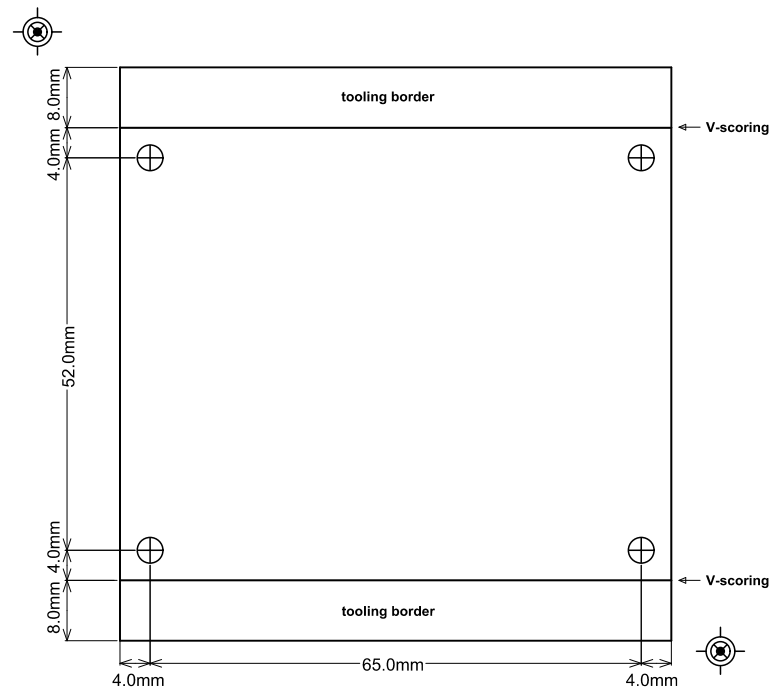
Filename	ECOM_357A.PcbDoc	Prepared	RS
Projekt	RSP1_Eval-Kit	Reviewed	UG
Printitem	ECOM_357	Rev.	A
Layer	BottomSolder		
Film	negativ if text black	Scale	SCALE: 1.00
Date	27.10.2014	Time	14:47:09
Plotname	Bottom Solder Mask Print		





RFbeam

Filename	ECOM_357A.PcbDoc	Prepared	RS
Projekt	RSP1_Eval-Kit	Reviewed	UG
Printitem	ECOM_357	Rev.	A
Layer	Silkscreen Bottom		
Film	positiv if text black	Scale	SCALE: 1.00
Date	27.10.2014	Time	14:47:09
Plotname	Bottom Silkscreen		

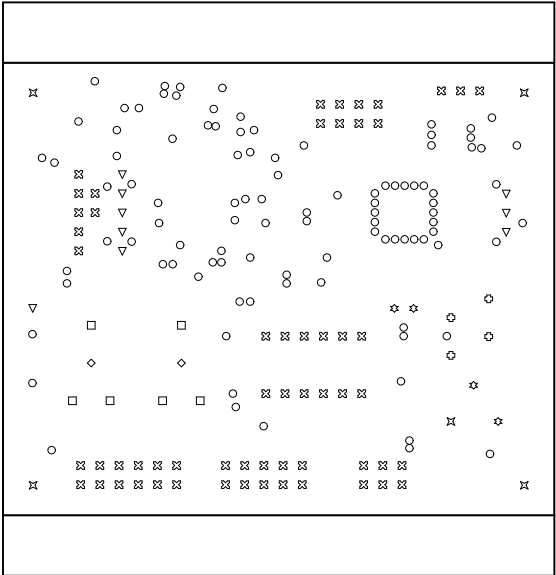


RFbeam

Filename	ECOM_357A.PcbDoc	Prepared	RS
Projekt	RSP1_Eval-Kit	Reviewed	UG
Printitem	ECOM_357	Rev.	A
Layer	Assembly Drawing		
Plot	positiv if text black	Scale	SCALE: 1.00
Date	27.10.2014	Time	14:47:09
Plotname	Vermassung		

Symbol	Hit Count	Tool Size	Physical Length	Rout Path Length	Plated	Hole Type
○	98	16mil (0.406mm)			PTH	Round
☆	2	31mil (0.787mm)			PTH	Round
▽	8	39.37mil (1mm)			NPTH	Round
⊗	58	39.37mil (1mm)			PTH	Round
⊕	4	43.307mil (1.1mm)			PTH	Round
□	6	51.181mil (1.3mm)			PTH	Round
○	4	70mil (1.778mm)			NPTH	Round
⊗	4	137.795mil (3.5mm)			PTH	Round
◇	2	157.48mil (4mm)			NPTH	Round
☆	2	31.496mil (0.8mm)	149.606mil (3.8mm)	118.11mil (3mm)	PTH	Slot
⊗	1	39.37mil (1mm)	177.165mil (4.5mm)	137.795mil (3.5mm)	PTH	Slot
▽	1	82.677mil (2.1mm)	149.606mil (3.8mm)	66.929mil (1.7mm)	NPTH	Slot
	190 Total					

Slot definitions : Rout Path Length = Calculated from tool start centre position to tool end centre position.  
Physical Length = Rout Path Length + Tool Size = Slot length as defined in the PCB layout



RFbeam	Filename	ECOM_357A.PcbDoc	Prepared	RS
	Projekt	RSP1_Eval-Kit	Reviewed	UG
	Printitem	ECOM_357	Rev.	A
	Layer	DrillDrawing		
	Plot	positiv if text black	Scale	SCALE: 1.00
	Date	27.10.2014	Time	14:47:09
	Plotname	Drill Drawing For (Top Layer,Bottom Layer)		
RFbeam Microwave GmbH      Farbgutstrasse 3      9008 St.Gallen				