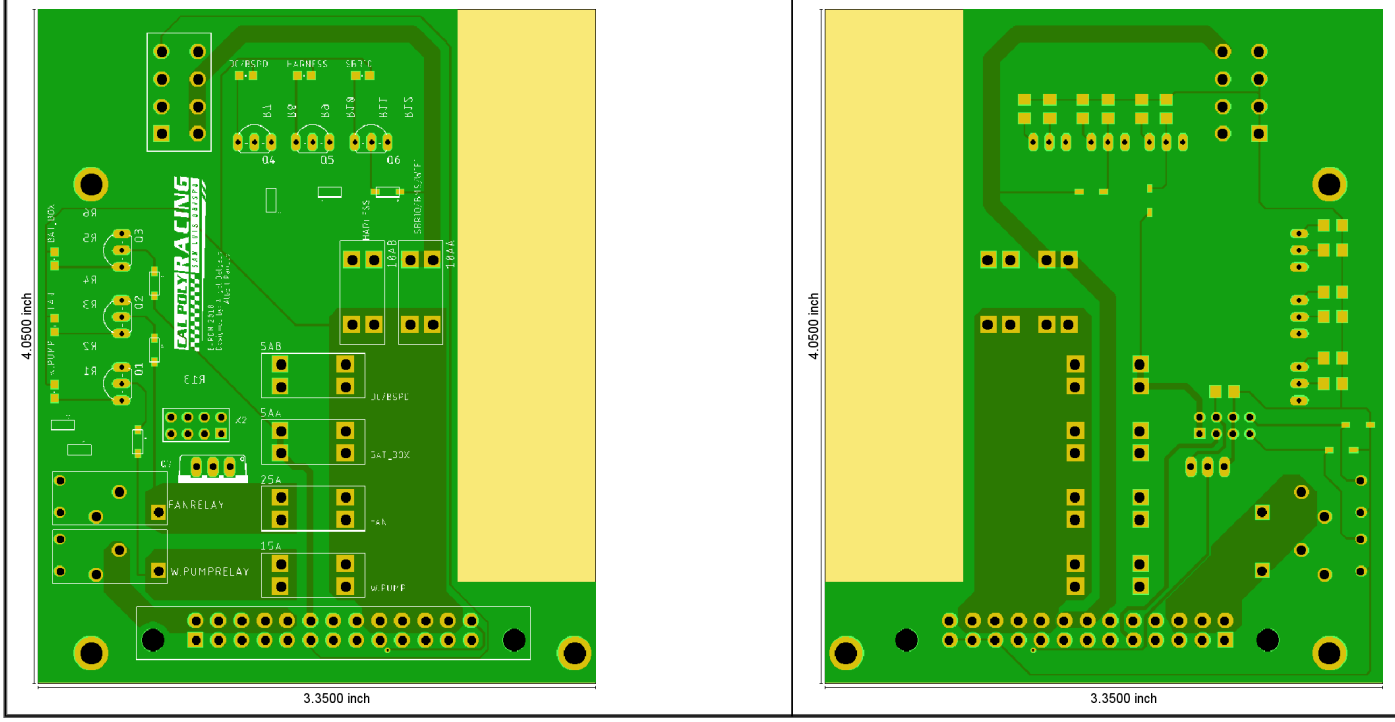
Name	p2ddcaz0.zip	Id.	16294 - QED OK
Report Generated on	Nov 20, 2017 9:37:31 PM	Customer	InstantDFM
Board Id			

Single PCB View - Original

Top View	Bottom View



Summary - General - Original

PCB Size	3.3500 inch x 4.0500 inch	Copper Layers	2
PCB Thickness	62.00 mil	Solder Mask	Both
Customer Panel Size		Solder Mask Color	Green
SMD Pads Top	20	Legend	
SMD Pads Bottom	34	Legend Color	White
SMD Density Top	2 SMD/inch^2	Peeloff Mask	None
SMD Density Bottom	3 SMD/inch^2	Carbon Mask	None
Number of Nets	47	Drill Hole Density	10 Holes/inch^2
Electrical Test	Double Sided	Holes in SMD Pads	No
Max. Aspect Ratio on PTH	4.5	Edge Connectors	No
		Surface Finish	

Summary - Copper Layers - Original

Layer Type	Min. Line Width	Min. Copper Width	Min. Ring	Min. Clr. to Copper	Min. Clr. to Plated Hole	Min. Clr. to NPTH	Min. Clr. to Outline
	mil	mil	mil	mil	mil	mil	mil
Outer	1 8.00	2 7.37	3 8.00	4 8.00	5 21.75	6 40.00	7 30.00

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Summary - Sequences - Original

Type	Sequences	Tools	Min. End Dia.	Max. End Dia.	Holes	Min. Ring on Outer	Min. Ring on Inner	Min. Clr. Hole to Copper
			mil	mil		mil	mil	mil
Blind	0							
Buried	0							
PTH	1	10	13.78	130.00	101	8.00		21.75
Plated (Total)	1	10	13.78	130.00	101	8.00		21.75
NPTH	1	1	133.86	133.86	2			40.00
Total	2	11	13.78	133.86	103	8.00		21.75

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Report Generated on	Nov 20, 2017 9:37:32 PM	Customer	InstantDFM
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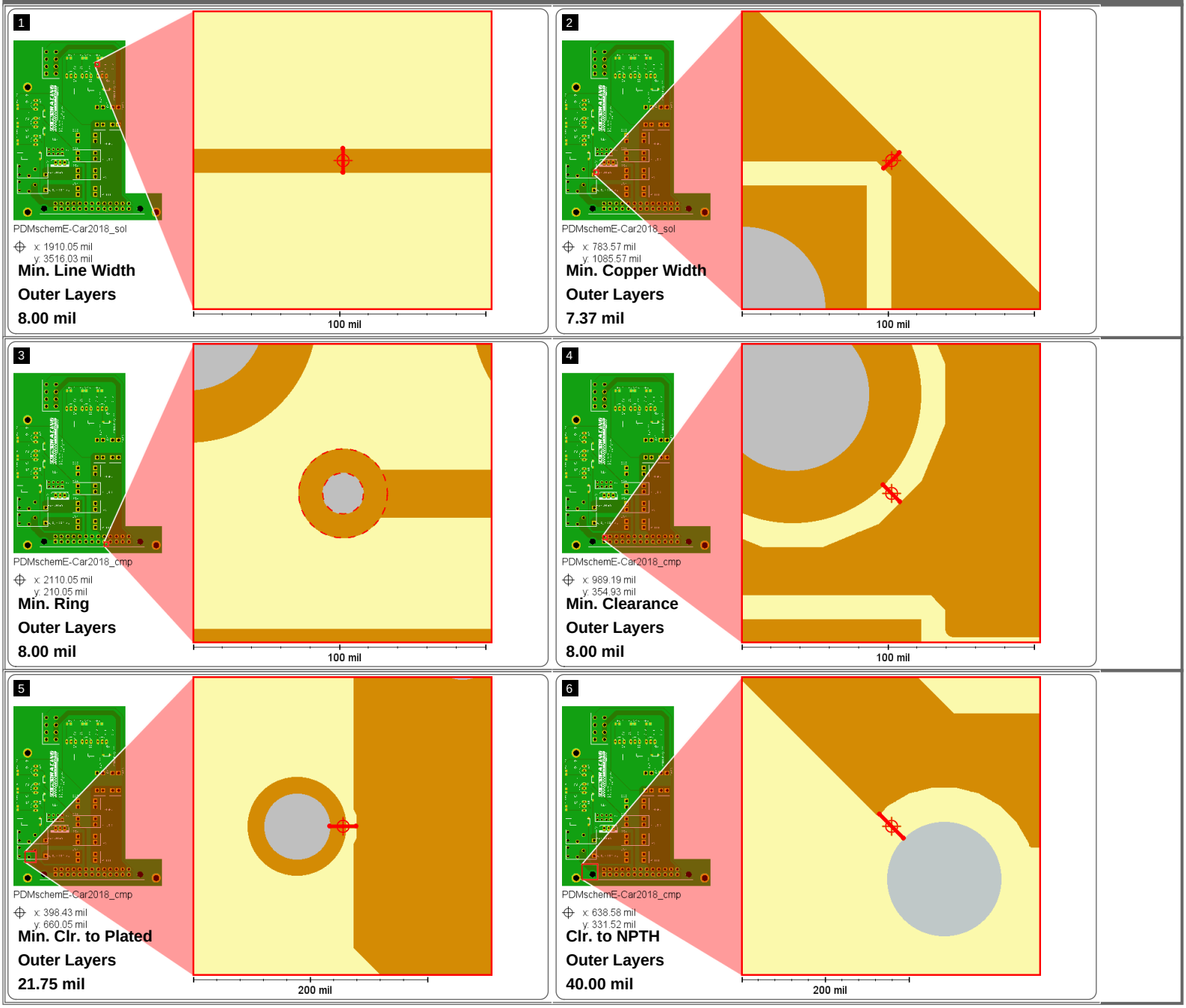
Summary Minimum Design Characteristics - Locations - Original



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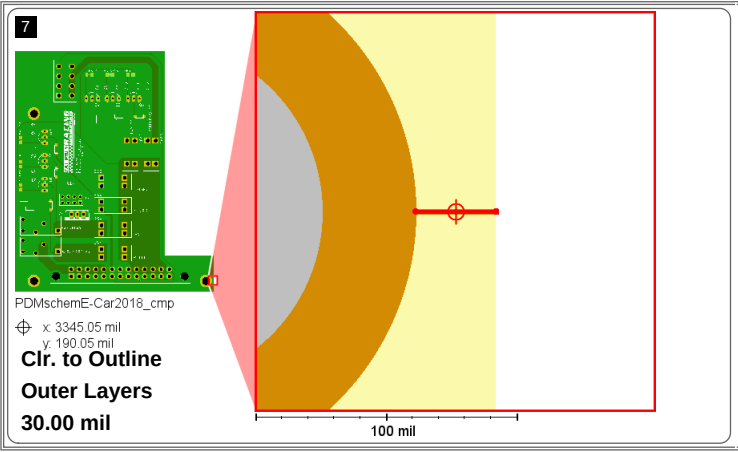
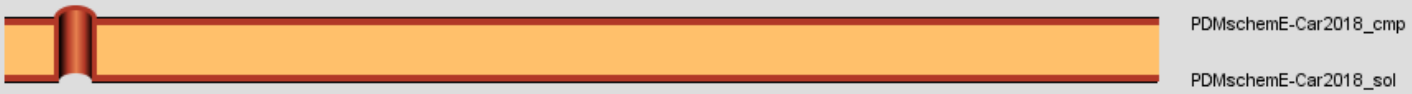


Stackup - Original



Pressing Stages	1

Copper Layers - Original

File	Pos.	Min. Line Width	Min. Copper Width	Min. Ring	Min. Clr. to Copper	Min. Same Net spacing	Min. Clr. to Plated Hole	Min. Clr. to NPTH	Min. Clr. to Outline	Copper Area	
		mil	mil	mil	mil	mil	mil	mil	mil	inch^2	%
PDMschemE-Car2018_cmp	1	10.00	10.00	8.00	8.00	>20.00	21.75	40.00	30.00	3.1606	30
PDMschemE-Car2018_sol	2	8.00	7.37	8.00	8.00	>20.00	21.75	>64.00	30.00	3.1628	30

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Drill Tools - Original

File	Tool Nr.	Span	Type	Method	FilledVia	Countered	Dia.	Tol. Min	Tol. Plus	Holes (in PCB)	Moves (in PCB)	Double Hits (in File)	Predrill Hits (in File)	Min. Ring on Outer	Min. Ring on Inner	Min. Pad Size
							mil	mil	mil					mil	mil	mil
PDMschemE-Car2018_drd	1	1-2	PTH	unknown	unknown	unknown	13.78	0.00	0.00	1	0	0	0	8.00		29.78
PDMschemE-Car2018_drd	2	1-2	PTH	unknown	unknown	unknown	32.00	0.00	0.00	18	0	0	0	10.00		52.00
PDMschemE-Car2018_drd	3	1-2	PTH	unknown	unknown	unknown	39.37	0.00	0.00	8	0	0	0	10.00		59.37
PDMschemE-Car2018_drd	4	1-2	PTH	unknown	unknown	unknown	40.00	0.00	0.00	3	0	0	0	10.00		60.00
PDMschemE-Car2018_drd	5	1-2	PTH	unknown	unknown	unknown	43.00	0.00	0.00	4	0	0	0	10.75		64.50
PDMschemE-Car2018_drd	6	1-2	PTH	unknown	unknown	unknown	51.18	0.00	0.00	26	0	0	0	17.41		86.00
PDMschemE-Car2018_drd	7	1-2	PTH	unknown	unknown	unknown	55.00	0.00	0.00	6	0	0	0	13.75		82.50
PDMschemE-Car2018_drd	8	1-2	PTH	unknown	unknown	unknown	60.00	0.00	0.00	8	0	0	0	15.00		90.00
PDMschemE-Car2018_drd	9	1-2	PTH	unknown	unknown	unknown	63.00	0.00	0.00	24	0	0	0	15.75		94.50
PDMschemE-Car2018_drd	10	1-2	PTH	unknown	unknown	unknown	130.00	0.00	0.00	3	0	0	0	>32.00		> 194.00
PDMschemE-Car2018_drd	11	1-2	NPTH	unknown	unknown	unknown	133.86	0.00	0.00	2	0	0	0	>32.00		

Sequences - Original

Span	Type	Tools	Min. End Dia.	Max. End Dia.	Holes	Min. Ring on Outer	Min. Ring on Inner	Min. Ring on Outer NPTH	Min. Ring on Inner NPTH	Min. Clr. Hole to Copper	Min. Clr. Hole to Outline	Min. Clr. Slot to Outline
			mil	mil		mil	mil	mil	mil	mil	mil	mil
1-2	PTH	10	13.78	130.00	101	8.00				21.75	65.00	disabled
All	Plated	10	13.78	130.00	101	8.00				21.75	65.00	disabled
1-2	NPTH	1	133.86	133.86	2			>32.00		40.00	193.07	disabled
All	All	11	13.78	133.86	103	8.00		>32.00		21.75	65.00	disabled

Rout Tools - Original

File	Tool Nr.	Type	Tool Dia.	End Dia.	Draw Length	Nibble Count
			mil	mil	mil	

Routed Holes - Original

File	Hole Nr.	Instances	X Size	Y Size	Draw Length	Nibble Count
			mil	mil	mil	

Solder Mask - Original

Side	Min. Ring on Cu Defined Pads	Min. Ring on SM Defined Pads	Min. Clr. Mask to Mask	Min. Web	Min. Clr. Mask to Copper	Fully Covered Via Holes	Partly Covered Via Holes
	mil	mil	mil	mil	mil		
Top	4.00		>10.00	>10.00	2.34	No	No
Bottom	4.00		>10.00	>10.00	2.34	No	No

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Files - Original

Initial	Renamed	Format	Function	Position	Color
PDMschemE-Car2018.plc	PDMschemE-Car2018_plc	ger274x	silk	top	white
PDMschemE-Car2018_1.plc	PDMschemE-Car2018_1_plc	ger274x	silk	top	white
PDMschemE-Car2018.stc	PDMschemE-Car2018_stc	ger274x	mask	top	green
PDMschemE-Car2018.cmp	PDMschemE-Car2018_cmp	ger274x	outer	1	
PDMschemE-Car2018.sol	PDMschemE-Car2018_sol	ger274x	outer	2	
PDMschemE-Car2018.sts	PDMschemE-Car2018_sts	ger274x	mask	bottom	green
PDMschemE-Car2018.drd	PDMschemE-Car2018_drd	excellon2	mixed	1-2	
PDMschemE-Car2018.dri		text	document		
PDMschemE-Car2018.gpi		text	document		
PDMschemE-Car2018_1.gpi		text	document		

Input Remarks - Original

Gerber import: Zero size aperture 10. 'PDMschemE-Car2018.cmp' (at line 2227)

Gerber import: Zero size aperture 10. 'PDMschemE-Car2018.plc' (at line 2823)

Gerber import: Zero size aperture 10. 'PDMschemE-Car2018.sol' (at line 2072)

Gerber import: Zero size aperture 10. 'PDMschemE-Car2018.stc' (at line 718)

Gerber import: Zero size aperture 10. 'PDMschemE-Car2018.sts' (at line 734)

Gerber import: Zero size aperture 10. 'PDMschemE-Car2018_1.plc' (at line 19458)

A large amount of painted objects may affect processing performance 'PDMschemE-Car2018_1_plc'

Comments - Original

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