CAM350 6.0

2000/5/19 CHASSIS

CAM350 Family (I)

CAM350 Family	CAM , ,	CAD			(Gerber, HP	PGL, DXF)
CAM350 Family ECAM-II, CAM350		,	ACCESS Co	ode 가	GerberView-II,	PCGerber-II
Gerber Data						
Photo Plotter	Data Fi	lm (Aperture)			Data .
Photo Plotter	Gerber Pl	hoto Plotter가	가		Photo P	lotter Data
Gerber	Data .					
Laser .	Photo Pl	otterフト			,	
Photo Plotter D	ata					
Aperture	e Aperture	e Ape	rture		Aperture	
Χ, Υ	Х, Ү	Χ, Υ	Y I	Drawing	Flash	. X, Y
	inch	mm		Digits	5.3, 3.2 form	at
	3.2 forma	at				
) X abcde	Y abcde				
	X:Y	abc.de, ab.cd	e가 .			
	Zero Sup	pression				
			"0"		"0"	
	Leading	: "0"		"0"		
	Trailing	: "0"		"0"		
) X 01230	Y 04560	2.3 format			
	Leading	: X1230	Y4560			
	Trailing	: X0123 `	Y0456			
Drawing	type Drawin	g	Aperture			
		Flas	sh	,		

			. D	rawing	, ,	,	,
			,	Flash			
Aperture							
Aperture	Photo Plotter	Draw	Flash			(,)
Photo Plotte	er A	perture		Photo Plotte	er Data		plotting
Apo	erture				. Apert	ture	D-code
D10	0, D11		D code	가			
	CAD		→		Photo Plotte CAM350	r O	
	D10 ROUNE D11 ROUNE D12	D 55mil D 8mil Square	Aperture				
	FLASH	D10			Ар	perture	



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Hotkeys()	
View	,
+	(Zoom In)
-	(Zoom Out)
PUGE UP	
PUGE DOWN	
HOME	(All)
INSERT	(Pan In)
С	(Zoom Close)
	Edit
F	Fill
Р	
R	Redraw
Т	Editing Hotkeys
W	Window
Х	
Main	I
D	D-Code
0	(Any, Diag, Orth)
S	Snap-To-Grid
V	Grid On/Off
Y	Layer Table
Z	
	Hot key
А	Aperture Table
G	
К	Kill Layer
L	
Q	Query All
U	Undo
CTRL-U	Redo
Edit	Edit Edit
	. Edit
	가 .

B Dcode

4

. Edit

가

С	Window				
М	Add/Part	Mirror	(Bottom)
Т	Add/Part				
W					

Menu Bar

		3	ALT
Mer	าน		
	File	ALT-F	

CAM350 7

Gerber	CAM Editor ,	Aperture	GAP Editor,
(foot print)	Part Editor		

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CAM Editor

Title Bar					
CAM350 Family					
Menu Bar					
CAM350	가				
Tool Bar					
		D-code, Layer	Edit	٢	Γool
Bar가					





Status Bar

Command Prompt

가 (0, 0) Layer Bar Layer Layer . Redraw, Layer . On/Off Active Layer All Off 가 . Redraw R . Layer On/Off 기 가 . Color Layer Color 가 Color . Layer Active Layer \boxtimes Draw Flash .

(Workspace) CAM350 가,

Origin MarkerCAM350(Center)XブブブブCursor ShapeXブCycle PickingブCopy, MoveCycle Pickブ..

Edit Edit . Move , Menu가 . Draw Gerber Draw . Flash Gerber Flash .





가 .PCB가 Files of type * * Save CAM350 .PCB가 Gerber . Plot PCB Save As 가 File/Save as Ok . Merge

.pcb . PCB (CAM350) Merge가 가 .

File/Merge .pcb PCB 7 .pcb

Import

가 Format 가 • •AutoImport Gerber Import\Gerber 가 Gerber 가 Gerber Plot AutoImport . Aperture Gerber Import . •Gerber Data CAM350 Import Gerber (Format) CAM350 가 RS-274 Laser Photoplotter

, RS-274X, Fire 9XXX(Cymbolic Sciences)

	Import/Gerber Data		가		
	Aperture file	Aperture	가	. For	nats ECAM
	Gap	,			Others
			CAD		Aperture
	File .				
	Aperture File	Open		. Apertur	e file
	Data Format		가		
	Gerber		. Gerber RS	S-274-X	
	Type Digits, Zero su	ppression 1p	oage		
	Ok .				
	CAD	Data For	mat		. Inch
		mm	가		가
	Layer # 1	. Open	가		Gerber
		Layer Type	;	ECAM	
	Layer .				
	Component Sid	е	S	ignal Top	Тор
				Layer	Туре
	Gerber	Import	Layer 7	Гуре	Ok
	Gerber	: 가	•		
 Drill 	Data NC/Drill				
	Utilities/Drill/Tables				
	Import Drill Data	. Drill l	Data	가	
	Layer # 1	Dril	1		
	Fil	ename			
	P Plated				
		Ľ	igits, Zero su	ppression, Type,	Units
		_		_1	Layer
		Legend	Drill Rep	ortノト	
		Legend		71	•
	Layer	가		가	Yes

가 Layer , No 가 . Drill Target Mill Data . Import|Mill Data Mill Data 가 . .ROU Layer # 1 Mill Filename Digits, Zero suppression, Type, Units . Mill 가 . 가 가 Layer Yes 가 Layer , No 가 . •**HPGL** HPGL(Hewlett-Packard pen plotter) CAM350 가 . HPGL pen #1 Dcode 10 Import\HPGL 가 HPGL Select Layer HPGL File Ok Layer File name . Import Gerber HPGL 가 Yes Layer HPGL 가 •IPC-D350 IPC-D350 Format CAM350 Import가 가 . ECAM dsn ECAM ECAM Design file Import . •Netlist CAD Format Netlist X:Y Reference\Designator, Pin number Netlist Import 가 Import\netlist . Netlist Format . CAM350 Netlist Import Board Net(X, Y)Refdes, Pin Number . CAD Netlist Import •

•Aperture Aperture . Import\Gerber Aperture ?

가 가 Aperture . 가 Import/Aperture . Aperture Aperture . 가 Gerber Aperture 가 Gerber . Gerber 가 Aperture Aperture •Edit Aper Conv CAM350 Aperture Aperture CAD 가 Aper Rule Files(.ARL) Aperture . •CAD Data CAD PCB Import CAM350 Family CAM350 가 Option Export . Import •Gerber Data Photo Plotter . •Composites Positive + Negative Tables/Composites , •Drill Data Gerber Drill Data NC Drill format Export . Mill Data 가 Utilities/Mill Mill . •IPC-D350 IPC-D350 Format Netlist Netlist Aperture Table Aperture •CAD Data Gerber CAD PCB Print Setup Printer Windows

CAM350 Windows

Print Display Setup Printer

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. 1 View Window, All, In, Out

Print Print Display		Plot Scale		가		
Plot Scale			Ok			
Print Print	. Print	:	가			,
Center	Layer	가				Plot
가					Plot	
	. All			L	ayer가	
•						
Portrait Landscap	e					
			Header			
Setup Prin	nter					
-	የ					
	Port가					
	Layer	•	Tile			
Layer	•	Tile				
가						
Layer			. Layer	r		
Layer .						
Rotate	90		-1	•		
Center			ン† 		⊐I	
Layer		А	lign		71	
Fit to Page						Scale
∠r Drews Eleches				•		
Draws, Flashes					•	
		Output	t All Data	In Bla	ack	
Block		Calpa				
Separate Sheets		Laver			l	Plot
Separate Sheets					-	100
Filled Features	Line, Polyg	gon, Flash		Fill		,
			•			
PenPlotter					Chec	k
	Print Print Display Plot Scale Print Print Center 7 1 Portrait Landscap Setup Prin 2 Setup Prin 7 Layer 7 Layer Layer 1 Layer 2 Layer 7 Layer 2 Layer 3 Layer 2 Laye Layer 2 Layer 2 Laye Laye Layer Layer 2 Laye Laye Layer Layer 2	Print Print Display Plot Scale Print Print Print Center Layer 7 All All Portrait Landscape Setup Printer 7 Layer Layer Layer Layer 1 tayer State 90 Center Layer Fit to Page 7 Draws, Flashes Separate Sheets	Print Print Display Plot Scale Plot Scale Print Print Print Center Layer 7 7 All All Portrait Landscape Setup Printer 7 Port7 Layer Layer Layer Tile 7 Layer Layer All Port7 Layer Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer Layer All Port7 Layer Layer All Port7 Layer Layer All Port7 Layer Layer Layer Layer All Port7 Layer Layer Layer All Port7 Layer Layer All Port7 Layer Layer All Port7 Layer Layer All Port7 Layer Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer All Port7 Layer Port7 Layer Port7 Layer Port7 Layer Port7 Layer Port7 Layer Port7 Layer Port7 Port7 Port7 Layer Port7 Po	Print Display Plot Scale K Poit Scale Print $Print$ <t< td=""><td>Pint Pint Display Plot Scale 7 Plot Scale 0k Pint Pint Pint 7 Center Layer 7 Center Layer 7 All Landscape Fleader Setup Pinter 7 Port7ł Layer Tile 7 Layer Tile 1 Layer Tile 7 Layer Align Fit to Page 7 Layer Align Fit to Page 7 Draws, Flashes Setup Pinter 7 Layer Align Fit to Page 7 Layer Align Fit to Page 7 Layer Align Fit to Page 7 Layer Align Fit to Page 7 Layer Align Fit to Page 7 Draws, Flashes Setup Pinter 7 Layer Align Fit to Page 7 Layer Align Fit to Page 7 Layer Align Fit to Page 7 Layer Align Fit to Page 7 Draws, Flashes Cottput Al Data In Blae Separate Sheets Layer Filed Features Line, Polygon, Flash Fill</td><td>Pint Pint Display Pint A Display Pint Pint Pint Ok Pint Pint 7 Center Layer 7 7 Center Layer 7 7 7 7 7 7 All Layer7 Header Header 1 1 1 1 1 1 1 1 1 1 1 1 1</td></t<>	Pint Pint Display Plot Scale 7 Plot Scale 0k Pint Pint Pint 7 Center Layer 7 Center Layer 7 All Landscape Fleader Setup Pinter 7 Port7ł Layer Tile 7 Layer Tile 1 Layer Tile 7 Layer Align Fit to Page 7 Layer Align Fit to Page 7 Draws, Flashes Setup Pinter 7 Layer Align Fit to Page 7 Layer Align Fit to Page 7 Layer Align Fit to Page 7 Layer Align Fit to Page 7 Layer Align Fit to Page 7 Draws, Flashes Setup Pinter 7 Layer Align Fit to Page 7 Layer Align Fit to Page 7 Layer Align Fit to Page 7 Layer Align Fit to Page 7 Draws, Flashes Cottput Al Data In Blae Separate Sheets Layer Filed Features Line, Polygon, Flash Fill	Pint Pint Display Pint A Display Pint Pint Pint Ok Pint Pint 7 Center Layer 7 7 Center Layer 7 7 7 7 7 7 All Layer7 Header Header 1 1 1 1 1 1 1 1 1 1 1 1 1

Setup

 Preferences 			
■Paths			
 Files Extension 	IS		
■Colors		가 Color	
•FilmBox Photo	Plotter		
Origiı	า		
PhotoPlotter	PhotoPlotter		
■Router	Router		
Drill Machine	Drill		
Save Default	Setup		
Access Code	Serial key	Access Code	Product

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Exit

Exit	

Edit

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Undo	

Redo

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Move

Сору

Сору .

Delete

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<u>F</u> ile	<u>E</u> dit	<u>A</u> dd	<u>V</u> iew	<u>I</u> nfo	<u>U</u> tili
25.0	<u>U</u> r	ndo		U	
Redra	- Re	ed <u>o</u>		Ctrl	U
Add L	M	ove			
All Oi	<u>C</u> opy Delete				
All OI	II Rotate				
▼⊿	M <u>i</u> rror				
1	La	ayers			•
2	C	<u>h</u> ange			•
3	ι <u>T</u>	rim Usi	ing		- ►
4	Li <u>n</u> e Change 🔹 🕨				•
5	м	ove Vt	x/Sea		
6	Add Vertex				
7	Delete Vertex				
8		oloto 9	oamon	+	
9	De	elete o	egmen	l	

Rotate

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Mirror

Mirror Axis가 Tool Bar 가,

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Layers Layer . •Add Layer Layer 7t .

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■Align			Gerber	가	
■Reorder	Layer				
■Scale	(Target) Layer	가	Layer		
 Remove 	Layer		가		가 가

Change

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 Refdes 								
 Device 								
■Netname	Netname							
 Padstack 	Padstac	ck	Padstack	ID				
■Dcode		Dcode	D	code				
	Edit Chang	ge/Dcode						
			Flash,	Trace		Change Dcoc	le	가
]	Dcode		Ok				
		Dcode				가 .		
■Text								
	Change/Text		•					
			Text					
	Change Text		가					
	,	,			Ok			
	Fit Text	Mirror						

Text가 가 Fit Text Mirror . Explode Aperture Part . Edit/Explode . Aperture Group Explode가 . Draws/Flash Aperture . . Negative Explode Padstack . Sectorize Photoplotter Thru Circle Circle Arc .

가 가 Thru Circle Change/Sectorize . Circle, Arc 가 Sectorize . Angle 10 . Ok , Origin (0,0) •

Space OriginLayer(0, 0).Grid Originpoint.(0, 0)

Move Vtx/Seg

Edit/Move Vtx/Seg .

가

Add Vertex

가

Delete Vertex

. Delete Segment

Delete Delete Segment

Add Flash Flash 가 Gerber . Tool Bar Active Dcode 가 Flash가 . Line 가 . Tool Bar Active Dcode Polygon Pour가 가 Vector, Raster 가 Polygon . CAM350 가 Copper Pour .

Fill Copper Polygon . Copper Layer Layer Trace, Pad Text Pour . Copper Pour(Polygon) () Fill Area Fill Copper . 가 . Polygon Net 가 Polygon Void Polygon 가 Tool Bar Polygon Netname Netname Netname Netname . Clearance Polygon Void, Add, Move, . **Delete Vertex** Polygon Net name Gerber

Import Utilities|Netlist Extract Trace Net name

Add\Polygon . Polygon Settings 7

가			
Border Type			
Draw Bord	ler 가 Polygon		, Se
Border Polygor	n Line		
Area Fill			가
	가 .		
Fill Mode			
Outline Only	y draws		F
Raster Fill		Convert	
Vector Fill	Dcode		
Vector Fill	Dcode Solid, I	Hatch	
Outline/Fill	Dcode		
Polygon	Clearan	nce	
	Active layer Polygon		가
Layer Target La	yer .		
Hatched D	code Fill Type Open		.PAT
Import 가	Edit Pattern	가	가
Hatched Pat	ttern 3가 Line		
Open, New, Save	e, Save As		Pattern
Polygon	n . Ok		
Polygon	Ok .		

. Font Setting . Padstack Padstack Tables ID PadStack 가. Padstack ID가

Text

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	가 .		Dcode		•	
Wire CAD DRC		Wire	가	가	Netname	가가
Via F 가	lash		Layer	Sign	al Layer	Via
Part						

Part Editor	Utilities/Buired Part	가

View

Window		

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	-	

All .

Redraw			

In		

Out		

Pan .

Film Box

	Setup/Preference	Film Box	
		View/Film Box .	On/Off가가.
		View/Film Box	
	Composite		
	Tables/Composite	On/Off	
	·		
	Tool Bar		
	Tool Bar	On/Off	
	i coi Bai		
	Status Dar		
		0.10%	
	Status Ba	ir On/Off .	
	Layer Bar		
	Layer Ba	On/Off .	
	Panoramic		
	Windows	7	
	Vindows		·
		. , window	
Info			
	Query		
		. All	,
	Find		
	T IIIG	Tool Bar Doode 74	Deode
			DCode
	Dcode/t	Zoom Center	
	Measure		
		. 가	
	Point - Poin	L	
		71	
		4	
	Object-Objec	ι	•

Report

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Status

Utilities

Gap Editor				
CAM Editor	Gap Editor		Gap Editor	
Aperture				
Line	Flash			
	Line	Round Line	е	
		Data가		
Automat	tic Window		Draw type	e Pad
	Flash	i type		
	Maximum Draw Size.	Maximum Size	Draw	
	Flash convert		가 height() width	n()
		Draw		
	Selection Limits. Min	Width	,	
	convert		Min Width	
	convert		가	
		1mil		
	Tolerance Dra	IW		
	2 7			
	Automatic Conversion		가 (roun	d. oblong.
	rectangle) Draw7ł	가	Dcode Filter	<i>a</i> , <i>corong</i> ,
	Flash		Deode Thier	
	Hash Check Dejected	71 Duran		
	User Check Rejected			
	convert	. Draw ¹	size	
	User Check All			
	View All PCB	Zoom Ou	ıt.	
	Maintain View	Graphics		

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	Exclude Existin	ng Flashes	Draw	Flash	convert		
	Ignore Single	Stroked Lines	6				
		Draw		•			
	Minimum Width	1. Dcode Filte	er	Dco	ode		
Interactiv	e D	raw type Pac	d	Dcode			
Netlist Extract			0				
	-1	Netlist	. G	erber	HPGI		0 4 4 4 5 5
	가	Export	Netlist7		N 1 - 211 - 2		, CAM350
가			Ger	ber	Netlist		가 .
Netlist			Electrical				DRC
	Notlict	Extract		or two	Top Bottom	a Intoi	rnal Plana
	Netilist		Lay		Lover T		
			Table	es\Layer	Layer	уре	
Center L	ine [Fast]	Netlist				가	
		71	·		1	ΡΔΠ	Center point
			,				center point
True Sha	pe [Slow]		·	Netl	ist		가
					True Shape		·
		Part			~ F -		
	. AutoCAD		PCB				가
		True Shape					-
	Utilities/Extra	ct					
	Center Line	True Shape	:	Ok			
		-					
Pads Pads	tack						
Flas	h Layer		Flash F	adstack			
Gerber	Import					Pad	
Padstack		. Padsta	ack				
Drill							
	Layer7	├ Top, Interna	I, Plane, Bo	ttom			Pad Stack

		. SMT Pa	d Padstack				
Clear Silkscreen							
Silkscreen	Pad						
	Clear Silksc	reen		가		Silkscreen	Solder Mask
	Layer	. Laye	er Type				
	Dcode Filter	Clear	Dcode				
	Clear						
	Clear	Silkscreen	Flash		Pad		가
	Dra	w to Flash					
		Via	Clear			Dcode Fi	lter -
		Dcode					
	Ok	Silkscree	n Clear .				

Pad Removal						
Trace	Pad				Layer	
Pad		Pad Removal		Layer		
	Pad					
		가			가	
	Pad To Padstack					
	Isolated Pads			Windo	W	
		Pad				
	Top Layer	Pad		가		Ok,
	N	0				
	No	Layer]	Bottom		Bottom Layer
	Pad	가				
	Ok					
	Redundant Pads					
	Dcode		Pad			
	Dcode	Ok .				

.

Teardrop

. Trace

Pad

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Over/Under Size

Layer Layer . Solder Mask layer, Paste Mask layer, Copper Clearance 가 .

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Drill

NC/Drill

 Table 	Tool Number Dcod	e l	Hole Size	
	Dcode			
	Custom apertur	e	가	
	Tool	가		가 가 .
	Export Tool	Number		
	File\Import\Drill	Dri	ll Imp	ort .
	Drill Table		가	
		Tool #	가	
	Export			Export Order
	Load	Drill		
	Hole siz	e Legend Dc	ode	typing
		labeled ""	Dcode	
	Tool Ad	d	Add Tool	. Drill
		Tool	가	. Drill Table
	가		Tool Number, He	ole Size, Legend Dcode
				Drill 가
	. Drill table	Add	Add Tool	
	Tool		Delete Tool	
	Export Order		Reorder Export	ed Drill Sequence 7
		Тоо	l Number	
	Drill Table		Save	
	Ok	Гооl		
 Create 	NC Format Drill	Expo	ort	
	Drill\Create		가	. Drill\Table
	가			
	Padsta	ck Tool		. Padstack Top Bottom

24

가 가 Drill Active Tool Tool Table . Padstack Tool Tool Padstack Hole size . Padstack Tool 2 가 . . Unplated Plated Drill Layer Plated Layer Layer가 가 Drill 가 Layer . Ok

•Sort Drill Tool Path Sort Panelization

•Gerber To Drill Single Gerber Layer Drill . Drill\Table Hole size Legend Dcode Drill\Gerber To Drill . Gerber Flash가 Layer

. Drill Layer .

Drill Tool Legend Dcode . Plated Unplated hole Layer 가 Ok Layer Pad Dcode, Legend size가 가 .

Mill

Net Check

DRC DRC(Design Rule Check) Trace . 가 Trace Trace , 1 Layer 가 가 가 Round Flash 가 Drill Data Mask Data 가 가 Drill Point, Pad Pad, Drill Pad . DRC Rule 가 Rule Check가 가 . Clearance Area Layer Board Layer

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	Track-Track Trace	2		
	Track-Pad Trace	Pad		
	Pad-Pad Pad Pa	ad		
	Outline Board Out	tline 가		
	Min Trk Width Tra	ace		
	Min Pad 가	Pad		
	Redundant Pad			
■Layer To	Test Layer			
	Passes Area	가	가	
		Pass		
	Pass			
■Annular I	Ring Area			
	Pad-Mask Test Pa	ad Mask		
	Drill-Mask			
	Drill-Pad			
Special (Checks Area	가		
		가	,	
■Remove	All Violations DR	RC		
DRC Histogram				
DRC				
			DRC Histogram	. DRC
Histogram			, and the second s	
Ū	Utilities\DRC Hist	togram	가 .	
		2		
	Ok	가		Window
	-	·		

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Panelization

26

			. Autoflin	ו
Layer	Gerber Layer			
■Autofilm	Layer	Gerber	Layer .	
	Panelization\Autofilm		가.	
	Target Layer	Film	n Layer	
	Layer가			
	Х, Ү			
	Border			
		Layer		Center Image
			Image Spacing	Χ, Υ
		. Space	Between Image S	pacing
	가	Layer		Offset
	Ok			
	가		Panelization	
	가			
	Cancel	Autofilm	가	
	File\Setup\Film Box	View\Film Box	71	
■Panelize	Panelize File\Setup\Pref	erences	Origin	
		Origin	Center 7	Negative
	Positive Plane	Ţ		
	가	Layer	Edit\Chai	
				· 1 · 1
		Edit\Kotate		
	Gerber Layer	Tog7	Tablas\I avera	Teg
	Layer	Tag	. Tables Layers	Tag
	Layer		Edit\Layers\Reorder	Layer
	Number			
	Templ	late Layer	가	
	Edit\Layers\Ren	nove	Panelize Layer	
	Board Laye	er		
	Border Layer	가		
	Center	Center	C	Dcode Draw

	Board	Import	가					
Р	anelization\Panelize		Panel	ization		가		
Ν	Aerge Panel			Template	e			
	. Panel PCB							
Ν	Aerge Panel PCB	Panelize						
	. Generate Bo	oard/Vent Outli	ne				PCB	Board
	Layer	Border		Generate	Board/Ve	nt Outl	ine	
		•	Dco	de Layer			•	
	Border	Layer Tag	가					
	Layer	Generate Boa	ard/Ve	nt Outline	e			
	Border	Ima	age		Step Off			
							Filn	n Size
F	ile\Setup\Preferences			Film		•		
C	Ok .							
			가		. Edit\U	Jndo		
Р	anelization	Unpanelizat	tion	•				
		Boa	urd 2	가		Unj	paneliz	ation
	Venting							

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v			
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	Fill		Layer	Vent
Board				
	Add\Polygon	Raster, Vector Fill	Venting 7	ŀ.
	Utilities Venting	가		
	Venting Fill	. Add Polygon	Fill	
	Border Layer	Border Layer	Text	Border
	Layer	. Board Layer Board La	yer Type 가	
	Vent Layer 1	Vent	Layer Number	
	•			
	Vent Layer 2	Vent	Layer Number	
	Galvanic Venting	Border	. Robb	er Bar
	. Galvanic	Venting Fill	Image7	
	Offset Data	가 Open	가 .	

Polygon

Ok

Build Part

Gerber Component Part Library

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Tables Menu

Aperture			
	Aperture Tables	Aperture	
	Tables\Apertures	. 가 .	
	Aper/Pen #	Cad Aperture	
	Photo Plotter	Dcode 10 .	
	Go To Dcode	Dcode .	
	* .	. Next Undefined	Dcode
	Dcode	Flash	
	7가	Customer 가 Gap Editor	가
	Size .		
		Dcode가 Through-Hole Smt Pad	
	Ok	. Aperture	가
		가	

Padstacks							
Gerber		Single La	ayer		Pad	Pad To	Padstack
Through Hole	е	P	adstack	가			Padstack
	가						
		Tables\Padstacks			가		
			Padstack Id 1		100	0	Padstack
		가 .			7	ł.	
			Padst	ack			Padstack

Blind, Buried Via MCM

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Layer가

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Layer Name	Layer Name	. Aperture Id	
Aperture	Padstack	Aperture	
. Layer #	. Aperture List	가 .	
Layer Aperture	Ok .		
Add, Delete,	Padstack	Padstack List	
Remove가 가 .	Padstack *		
Ok			

Layers

Layer	Draw, Flash Colors Active Lay		_ayer	
Tables\Layers	bles\Layers 7			
#	Layer Number	, Name	Laye	er Name
	Layer Name	가		
Туре	Layer Type		La	yer Type
			CAM350	가
Layer Type	. Draw			
		Layer		Draw Color
Flash				Flash
Layer	. Flash Color			
Status	Layer 37		. On	
	Edit 가	, Off		
	. Ref		Edit	
가 Act	Active Laye	r		. Active
Layer On	가			
가 Top		Lay	yer	
Lay	er . All Or	n/All Ad	ctive Layer	
Layer On/O	Off .			
А	dd Layer	Layer 가		
Layer Set	Tables Layer Sets			
	On/C	Off Layer		
Ok				

Sets Blind And Buried	가 .	Hybrid
Microchip Module Board	Tables Layer Sets MCM	

Composites

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Positive Negativ	/e	Plane	Positive		Negative
			. 32	Composite	
	Tables\Composites		가		
	Add	Com	posite		
	Bkg Dark/Clear		Positive	Dark(), Negative
	()				
	Layer number	Lay	er		
	Ok C	Composite	가		Composite
	View/Composite		가 .		

Layer Mapping

•

Тор		Bottom			•
	Tables\Layers	Gerber	Layer type		
	Tables\Mapping	. Layer Mapping For Mirrored Parts		가	
	·	Тор	Layer	Bottom .	Top Layer
	Bottom	Silk Top	Silk Bot	. Default	
		Layer			
	OK	Mapping			

Macro

가 Basic

가