Her hakkı mahfuzdur. Yazılı izin olmadan dokümanların hiç bir kısmı kopya, kayıt, basım veya diğer herhangi bir şekilde çoğaltılamaz ve yayınlanamaz.

İçindekiler / Contents

Sayfa No / page number	Açıklama / Description
1	İçindekiler / Contents
2	Bakır Katmanları / Copper Layers
3	Baskı Katmanları / Overlay Layers
4	Lehim Katmanları / Solder Layer
5	Delik Tablosu ve Çizimi / Drill Table and Drawing
6	Katman Tasarımı / Stack-Up Design

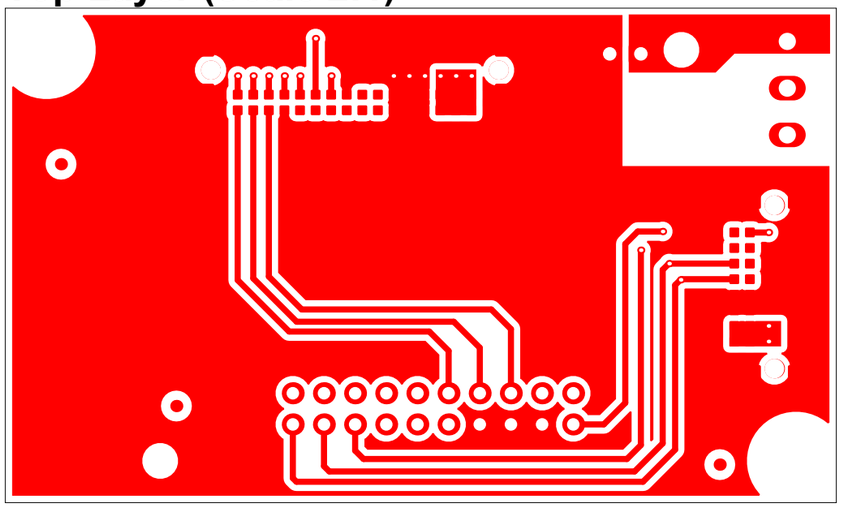
All rights reserved. Reproduction or issue to third parties in any form whatsoever is not permitted without written authority from the proprietors.

Kont/Check Hamit Can Dinç	Tanim/Description PEU_RELAY_INTERFACE_BOARD				Stok No/ Stock Number -		
Haz/Prep Hamit Can Dinç					Rev 1		
	Ortam/Env Altium Designer	Syfnin/Shts / Sayfasi/Sht 1 / 6	Tarih/Date 30.06.2024	Deg Onay/Change Appr Hamit Can	Deg Tarihi/Chng Date 30.06.2024	Form A3	

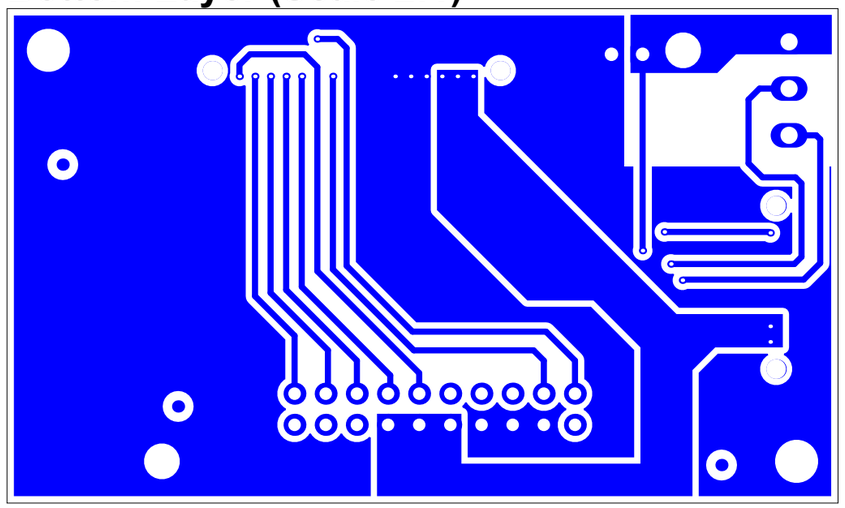
Her hakkı mahfuzdur. Yazılı izin olmadan dokümanların hiç bir kısmı kopya, kayıt, basım veya diğer herhangi bir şekilde çoğaltılamaz ve yayınlanamaz.

Bakır Katmanları / Copper Layers

Top Layer (Scale 2:1)



Bottom Layer (Scale 2:1)



Notlar / Notes

No	Açıklama / Description

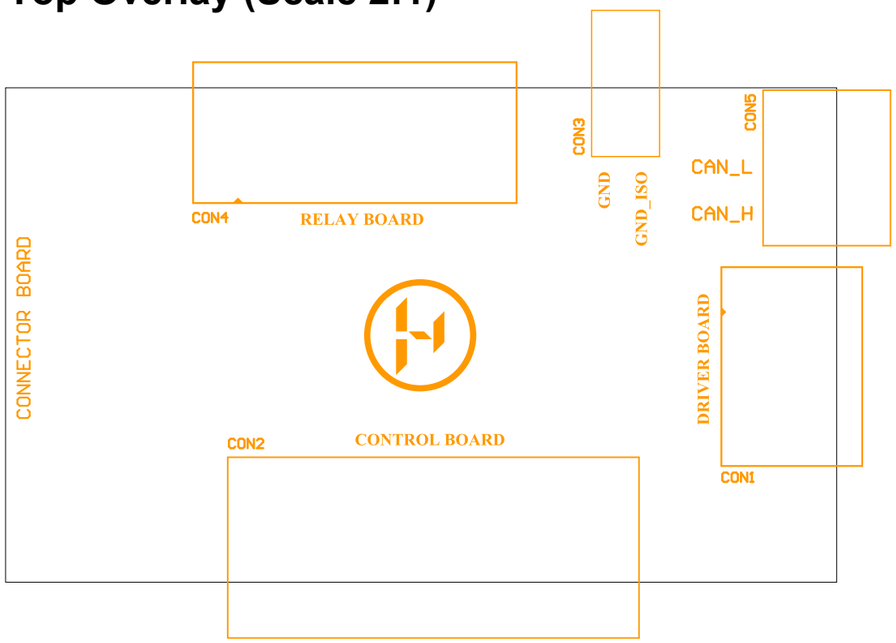
Kont/Check Hamit Can Dinç	Tanim/Description PEU_RELAY_INTERFACE_BOARD				Stok No/ Stock Number -	
Haz/Prep Hamit Can Dinç					Rev 1	
	Ortam/Env Altium Designer	Syfnin/Shts / Sayfasi/Sht 2 / 6	Tarih/Date 30.06.2024	Deg Onay/Change Appr Hamit Can	Deg Tarihi/Chng Date 30.06.2024	Form A3

All rights reserved. Reproduction or issue to third parties in any form whatsoever is not permitted without written authority from the proprietors.

Her hakkı mahfuzdur. Yazılı izin olmadan dokümanların hiç bir kısmı kopya, kayıt, basım veya diğer herhangi bir şekilde çoğaltılamaz ve yayınlanamaz.

Baskı Katmanları / Overlay Layers

Top Overlay (Scale 2:1)



Bottom Overlay (Scale 2:1)

Notlar / Notes

No	Açıklama / Description

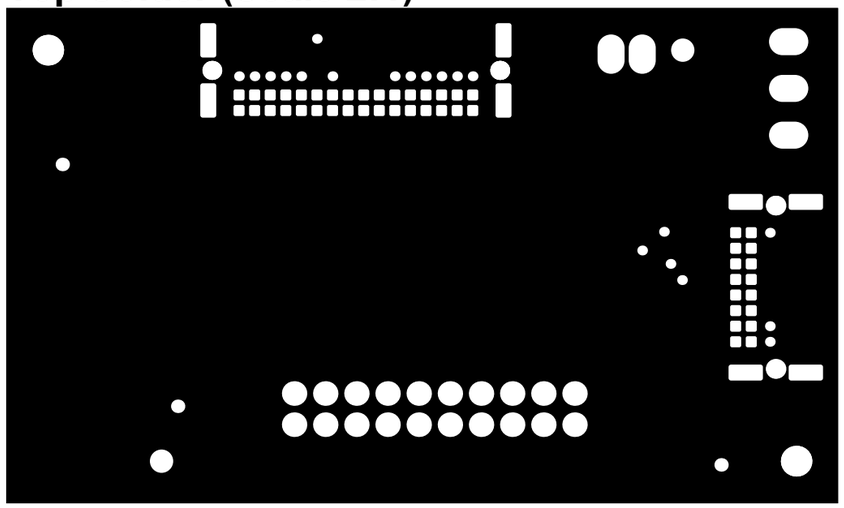
Kont/Check Hamit Can Dinç	Tanim/Description PEU_RELAY_INTERFACE_BOARD				Stok No/ Stock Number -	
Haz/Prep Hamit Can Dinç					Rev 1	
	Ortam/Env Altium Designer	Syfnin/Shts / Sayfasi/Sht 3 / 6	Tarih/Date 30.06.2024	Deg Onay/Change Appr Hamit Can	Deg Tarihi/Chng Date 30.06.2024	Form A3

All rights reserved. Reproduction or issue to third parties in any form whatsoever is not permitted without written authority from the proprietors.

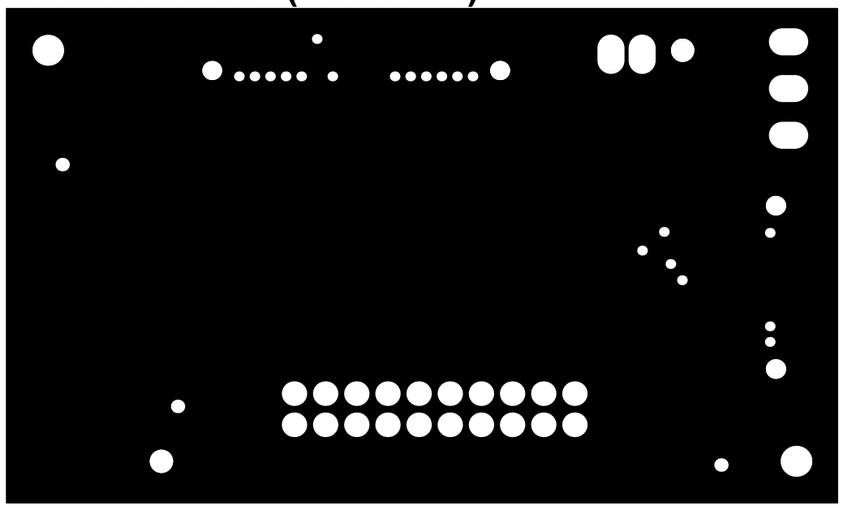
Her hakkı mahfuzdur. Yazılı izin olmadan dokümanların hiç bir kısmı kopya, kayıt, basım veya diğer herhangi bir şekilde çoğaltılamaz ve yayınlanamaz.

Lehim Katmanları / Solder Layer

Top Solder (Scale 2:1)



Bottom Solder (Scale 2:1)



Notlar / Notes

No	Açıklama / Description

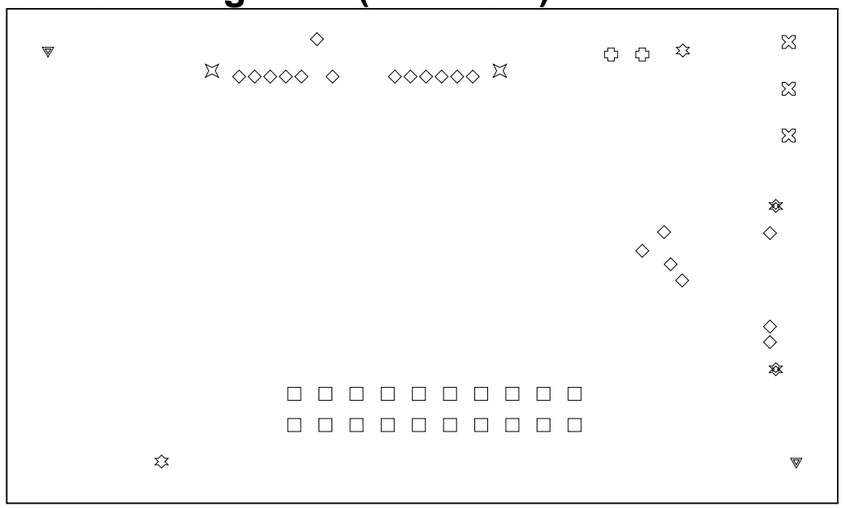
Kont/Check Hamit Can Dinç	Tanim/Description PEU_RELAY_INTERFACE_BOARD				Stok No/ Stock Number -	
Haz/Prep Hamit Can Dinç					Rev 1	
	Ortam/Env Altium Designer	Syfnin/Shts / Sayfasi/Sht 4 / 6	Tarih/Date 30.06.2024	Deg Onay/Change Appr Hamit Can	Deg Tarihi/Chng Date 30.06.2024	Form A3

All rights reserved. Reproduction or issue to third parties in any form whatsoever is not permitted without written authority from the proprietors.

Her hakkı mahfuzdur. Yazılı izin olmadan dokümanların hiç bir kısmı kopya, kayıt, basım veya diğer herhangi bir şekilde çoğaltılamaz ve yayınlanamaz.

Delik Tablosu ve Çizimi / Drill Table and Drawing

Drill Drawing View (Scale 2:1)



Delik Tablosu / Drill Table

Symbol	Count	Hole Size	Plated	Hole Type	Via / Pad	Pad Shape	Template	Hole Tolerance
◇	20	0.30mm(11.81mil)	Plated	Round	Via		v60h30	
□	20	1.02mm(40.16mil)	Plated	Round	Pad	Rounded	c180h102	
⌖	2	1.10mm(43.31mil)	Plated	Round	Pad	Rounded	r200_300h110r100	
⛝	3	1.40mm(55.12mil)	Plated	Round	Pad	Rounded	r200_300h140r100	
⛛	2	1.55mm(61.02mil)	Non-Plated	Round	Pad	Rounded	c155hn155m155	
⛝	2	1.60mm(62.99mil)	Non-Plated	Round	Pad	Rounded	c160hn160m160	
⛭	2	1.90mm(74.80mil)	Plated	Round	Pad	Rectangular	s0h190	
▽	2	2.50mm(98.43mil)	Non-Plated	Round	Pad	Rounded	c20hn250	
	53 Total							

Notlar / Notes

No	Açıklama / Description

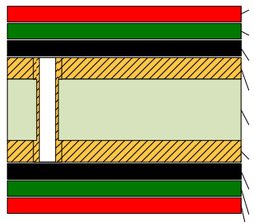
Kont/Check Hamit Can Dinç	Tanim/Description PEU_RELAY_INTERFACE_BOARD				Stok No/ Stock Number -	
Haz/Prep Hamit Can Dinç					Rev 1	
	Ortam/Env Altium Designer	Syfnin/Shts / Sayfasi/Sht 5 / 6	Tarih/Date 30.06.2024	Deg Onay/Change Appr Hamit Can	Deg Tarihi/Chng Date 30.06.2024	Form A3

All rights reserved. Reproduction or issue to third parties in any form whatsoever is not permitted without written authority from the proprietors.

Her hakkı mahfuzdur. Yazılı izin olmadan dokümanların hiç bir kısmı kopya, kayıt, basım veya diğer herhangi bir şekilde çoğaltılamaz ve yayınlanamaz.

Katman Tasarımı / Stack-Up Design

Layer Stack Legend



Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.03mm(1.00mil)	SM-001	Solder Mask	GTS
PbSn	Top Surface Finish	0.02mm(0.79mil)		Surface Finish	
CF-004	**Top Layer**	**0.04mm(1.38mil)**		**Signal**	**GTL**
Core		*1.50mm(59.00mil)*	*Core-043*	*Dielectric*	
CF-004	**Bottom Layer**	**0.04mm(1.38mil)**		**Signal**	**GBL**
PbSn	Bottom Surface Finish	0.02mm(0.79mil)		Surface Finish	
Surface Material	Bottom Solder	0.03mm(1.00mil)	SM-001	Solder Mask	GBS
	Bottom Overlay			Legend	GBO

Total thickness: 1.66mm(65.33mil)

PCB Üretim Özeti / PCB Manufacturing Summary

Board ID:	PEU_RELAY_INTERFACE_BOARD
Quantity:	20
Dimensions [mm]:	40,3 x 67,75mm
Layers:	2
Substrate:	FR-4, Tg:150-160
Total Thickness:	1.6mm
Copper Weight:	Top/Bottom: 1 Oz
Surface Finish:	Lead Free HASL
Controlled Impedance:	No
Panel Separating Way:	No
Number of Different Boards:	1
Via Process:	Tented, Filled w/Resin
Solder Mask Color:	Green
Silkscreen Color:	White
Minimum Hole Size [mm]:	0,30mm
Minimum Clearance / Spacing [mm]:	0.2mm
V-CUT:	Yes
Via Fill:	Yes
Additional Notes:	Class-2

Notlar / Notes

No	Açıklama / Description
1	**PCB üretimi yukarıdaki tablo referans alınarak yapılmalıdır.**

Kont/Check Hamit Can Dinç	Tanim/Description PEU_RELAY_INTERFACE_BOARD				Stok No/ Stock Number -	
Haz/Prep Hamit Can Dinç					Rev 1	
	Ortam/Env Altium Designer	Syfnin/Shts / Sayfasi/Sht 6 / 6	Tarih/Date 30.06.2024	Deg Onay/Change Appr Hamit Can	Deg Tarihi/Chng Date 30.06.2024	Form A3

All rights reserved. Reproduction or issue to third parties in any form whatsoever is not permitted without written authority from the proprietors.