

**Request****PCB specification**

Date 15/05/2023

Projectname: ck-rx65n

PCB-No.: D019642\_06

Rev.: 2

**General requirements**

IPC-A-600 G	Class II
RoHS compatible	Yes
UL-certification	Yes
Manufacturer logo	No
Date code	No
E-test	Yes
Impedance check	No
First sample test report	No
Grinding surface pattern	No
Position UL-No.and Logo	not allowed
Position manufacturer logo and Datecode	not allowed
Filled system	No

**Production requirements**

PCB-type:		rigid
PCB-dimension:	+/- 0,2 mm	80 x 95
Panel:		Not defined
Panel dimension:	+/- 0,2 mm	X x X
Piece per panel:		
Contour:		milled
PCB-thickness:	+/- 10% mm	1.624
Number of layers:		4
Inner layer copper incl. galv. Cu:	(µm)	30
External layer copper incl. galv. Cu:	(µm)	30
Smallest track width	(µm)	120
Smallest spacing width	(µm)	120
Material properties of surface:		chem. NI/AU
Connectorgold:		No
Solder resist:		blue
Silkscreen		Top/Bottom
Colour of silkscreen:		white
partial via print:		No
Carbon print:		No
Stripping paint:		No

**Drill- and milling parameter**

Smallest drill diameter (µm)	200
Number of drills per PCB (piece)	804
Long holes	Yes
Edge contact	No
Backdrill	No
Blind via	No
Blind via / Drilling planes	
Buried via	No
Buried Via / drilling planes	
Microfill blind via	No
Plugging buried via	No
Milling tolerance, cut	Standard
level milling	No
Via technology	

**Base material (on the basis of standard IPC-4101)**

Material:	min. requirements		FR 4
TD:	>325, >345	° Celsius	>325
TG:		° Celsius	135
CTE Z axis (before TG, after TG)		ppm/k	<53 , <270
Permittivity (er)			4,6 - 4,9
T-260 / T-288	minutes		>60 / >15

**Purchase**

Invoice address:	Renesas Electronics Europe GmbH
	Arcadiastr. 10
	40472 Düsseldorf

Delivery address:	Renesas Electronics Europe GmbH
	Arcadiastr. 10
	40472 Düsseldorf

Single piece:	X
Panel piece:	
Delivery time:(working days)	15
Date of delivery:	xx.xx.2023

**Ordering:****Technical:**

Contact:  
Email:  
Phone:  
Fax:

Contact Person: Karsten Hesse  
Email: [karsten.hesse@renesas.com](mailto:karsten.hesse@renesas.com)  
Phone: +4921165031315  
Fax:

Characteristics: **Renesas Blue:** RGB (hex) : 2A 28 9D RGB (decimal) : 42 40 157 CMYK : 73 75 0 38

No manufacturer logos allowed on PCB!

Technical data sheet

