

Request**PCB specification**

Date 31-01-22

Projectname: ck_rx65n

PCB-No.: D018322_06

Rev.: 210

General requirements

| | |
|---|----------|
| IPC-A-600 G | Class II |
| RoHS compatible | Yes |
| UL-certification | Yes |
| Manufacturer logo | Yes |
| Date code | Yes |
| E-test | Yes |
| Impedance check | No |
| First sample test report | No |
| Grinding surface pattern | No |
| Position UL-No.and Logo | free |
| Position manufacturer logo and Datecode | free |
| 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 | 1.49 |
| 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) | 745 |
| 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.2022 |

Ordering:**Technical:**

| | | |
|------------------|----------------------|--|
| Contact: | Contact Person: | Name |
| Email: | Email: | karsten.hesse@renesas.com |
| Phone: | Phone: | +4921165031315 |
| Fax: | Fax: | |
| Characteristics: | Renesas Blue: | RGB (hex) : 2A 28 9D RGB (decimal) : 42 40 157 CMYK : 73 75 0 38 |

