



# DATA SHEET

## RJ-Connector

Serie: T91A22008 -

**2x1Port / Shielded with  
Transformer**

Serie No.: **T91A22008 -**

|       |        |      |        |        |        |           |           |      |            |           |
|-------|--------|------|--------|--------|--------|-----------|-----------|------|------------|-----------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE | 14.05.2025 | Customer: |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. |      | 1 from 5   |           |

# EDCON-COMPONENTS



## Technical Description

### Electrical

|                        |                           |
|------------------------|---------------------------|
| Current Rating:        | 1,5A                      |
| Voltage Rating:        | 125VAC                    |
| Insulation Resistance: | 1000M $\Omega$ min.       |
| Contact Resistance:    | 30m $\Omega$ max.         |
| Withstanding Voltage:  | AC 1000V RMS50/60Hz 1min. |
| Shield:                | YES                       |

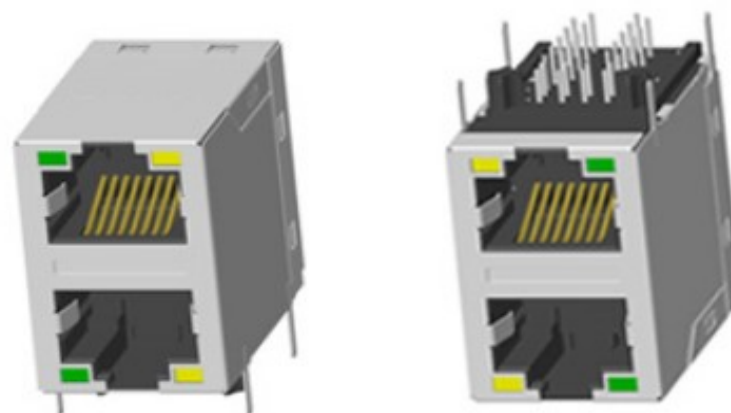
### Mechanical

|                     |                                 |
|---------------------|---------------------------------|
| Insertion Force:    | 2,2KG F. max.                   |
| Retention Strength: | 7,7Kg F min between jack a.plug |
| Durability:         | 600mating cycles min.           |
| Ports:              | 2x1                             |

### Material

|                        |                                                                                       |
|------------------------|---------------------------------------------------------------------------------------|
| Housing:               | ABS Resin (UL94V-0)<br>PBT (UL94V-0 / PA66 UL94V-0<br>PA46 UL94V-0<br>Diameter 0,45mm |
| Contact Wire           | Phosphor Bronze<br>Gold Plating over Nickel<br>0,35mm thickness                       |
| Shield                 | 0,20 ~ 0,25mm thickness<br>Brass with tin plated                                      |
| Contact Plating        | Look order Code                                                                       |
| Operating Temperature: | .-0°C ~ +85°C / -40°C~+85°C                                                           |

Meets IEEE802.3 specification  
350um Minimum OCL with 8mA bias current



|       |        |      |        |        | Tolerances unless otherwise specified (mm) |           |           |       |            | 2x1Port / Shielded with Transformer |
|-------|--------|------|--------|--------|--------------------------------------------|-----------|-----------|-------|------------|-------------------------------------|
|       |        |      |        |        | x                                          | x.x       | x.xx      | x.xxx | Angle      |                                     |
|       |        |      |        |        | ±                                          | ±         | ±         | ±     | ±3°        |                                     |
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson                                     | TOLERANCE | Mason     | DATE  | 14.05.2025 | Part No.: T91A22008 -               |
| APPD: | Schumi |      |        | FINISH | Jamy                                       |           | Sheet No. |       | 2 from 5   | Customer:                           |

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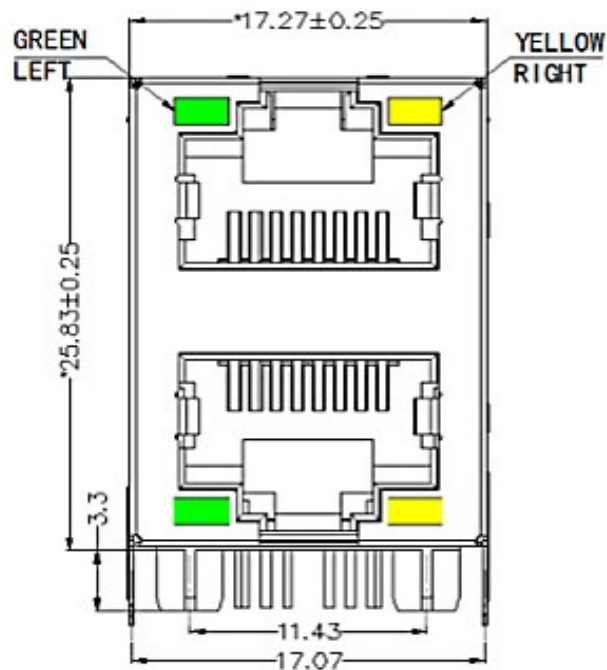
# EDCON-COMPONENTS



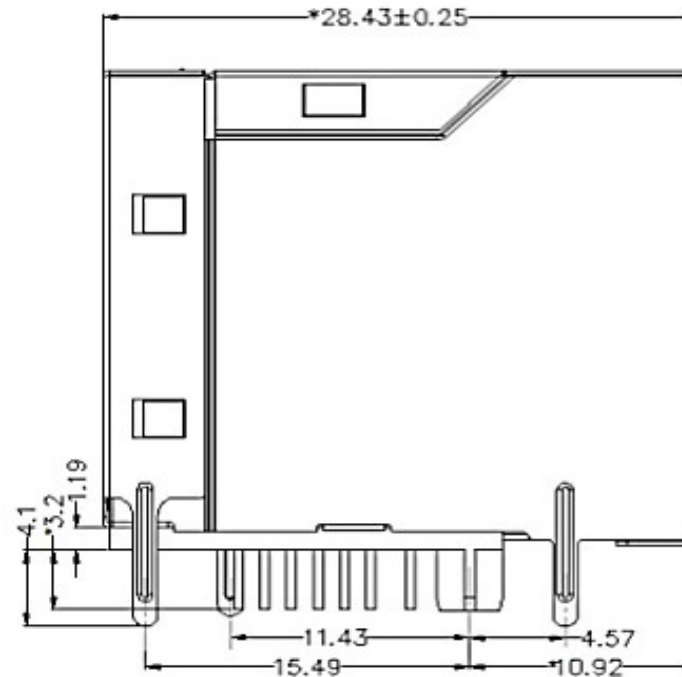
**Contact**



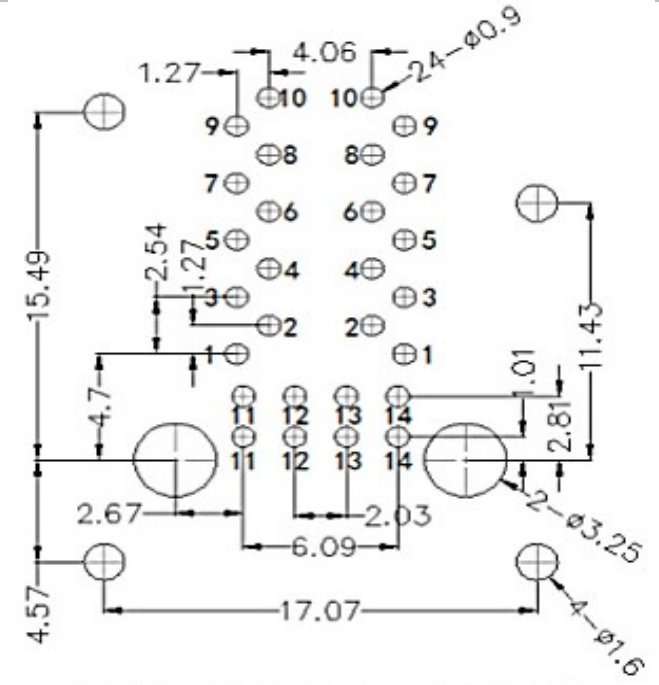
## Technical Drawing



**Front View**



**Left Side View**



**PCB-View from Component Side**

**2x1Port / Shielded with Transformer**

Part No.: **T91A22008 -**

Customer:

|       |        |       |        |         |        |            |           |       |            |
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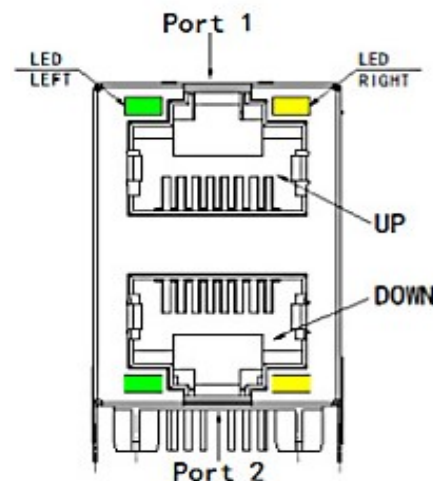
Contact



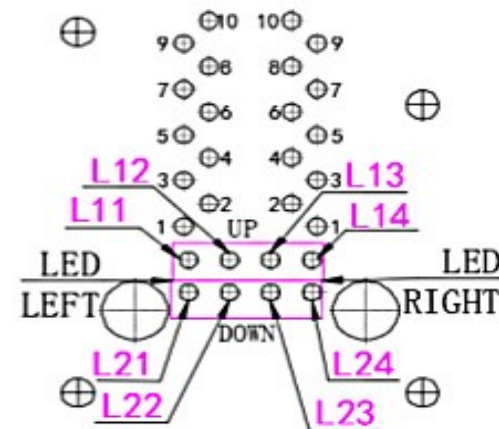
| CODE | LED-LEFT |            |     |       | LED-RIGHT  |     |       |            | LED-LEFT |       |            |     | LED-RIGHT |            |     |       |
|------|----------|------------|-----|-------|------------|-----|-------|------------|----------|-------|------------|-----|-----------|------------|-----|-------|
|      | Color    | Polarities |     | Color | Polarities |     | Color | Polarities |          | Color | Polarities |     | Color     | Polarities |     | Color |
|      |          | L11        | L12 |       | L13        | L14 |       | L21        | L22      |       | L23        | L24 |           | L23        | L24 |       |
| A1   | Y        | +          | -   | G     | -          | +   | Y     | +          | -        | G     | -          | +   | G         | -          | +   | G     |
| A2   | G        | +          | -   | Y     | -          | +   | G     | +          | -        | Y     | -          | +   | G         | +          | -   | Y     |
| B1   | Y        | +          | -   | G     | +          | -   | Y     | +          | -        | G     | +          | -   | G         | +          | -   | G     |
| B2   | G        | +          | -   | Y     | +          | -   | G     | +          | -        | Y     | +          | -   | G         | +          | -   | Y     |
| C1   | Y        | -          | +   | G     | -          | +   | Y     | -          | +        | G     | -          | +   | G         | -          | +   | G     |
| C2   | G        | -          | +   | Y     | -          | +   | G     | -          | +        | Y     | -          | +   | G         | -          | +   | Y     |

Notes: Y:Yellow; G:Green

LED-Configuration Code

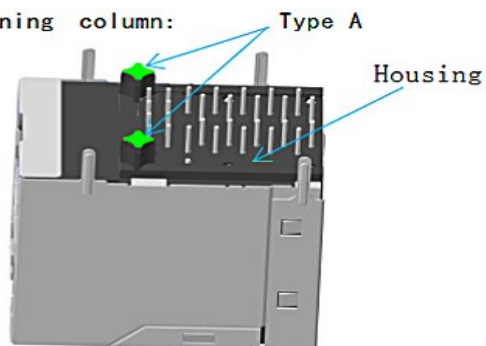


Front View



PCB View from Component Side

Plastic positioning column:



| CODE | Type | Housing  |       |
|------|------|----------|-------|
|      |      | Material | Color |
| A1   | A    | PBT      | Black |
| A2   | A    | PA66     | Black |

Material Code Specification

|       |        |       |        |         |        |            |           |          |            |           |
|-------|--------|-------|--------|---------|--------|------------|-----------|----------|------------|-----------|
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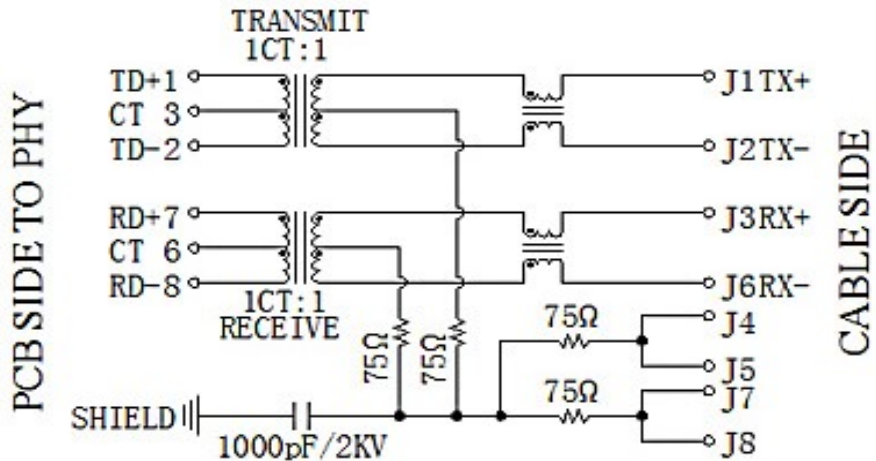
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2x1Port / Shielded with Transformer

Part No.: T91A22008 -



Electrical Circuit Diagramm Type B113

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Customer:

# EDCON-COMPONENTS



**Contact**



## Ordering Informations

| Serie | No of Positions | No of Contacts | Contact Plating | LED Configuration | Speical function | Material Code | ROHS | Packing Code |  |  |
|-------|-----------------|----------------|-----------------|-------------------|------------------|---------------|------|--------------|--|--|
|-------|-----------------|----------------|-----------------|-------------------|------------------|---------------|------|--------------|--|--|

|                    |           |           |           |           |          |           |          |           |  |  |
|--------------------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|--|--|
| <b>T91A22008 -</b> | <b>08</b> | <b>08</b> | <b>GF</b> | <b>C2</b> | <b>N</b> | <b>A1</b> | <b>R</b> | <b>TY</b> |  |  |
|--------------------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|--|--|

|                      |                     |                                   |                    |                               |                          |                            |                      |
|----------------------|---------------------|-----------------------------------|--------------------|-------------------------------|--------------------------|----------------------------|----------------------|
| <b>08=</b> Positions | <b>08=</b> Contacts | <b>GF=</b> Gold Flash ( Standard) | <b>C2=</b> Type C2 | <b>N=</b> No special function | <b>A1=</b> Standard PBT  | <b>R=</b> RoHS Conform     | <b>TY=</b> Tray Pack |
|                      |                     |                                   |                    |                               | <b>A2=</b> Standard PA66 | <b>N=</b> NON RoHS Conform |                      |
|                      |                     | <b>GB=</b> 6µ inch Gold           |                    |                               |                          |                            |                      |
|                      |                     | <b>GC=</b> 15µ inch Gold          |                    |                               |                          |                            |                      |
|                      |                     | <b>GD=</b> 30µ inch Gold          |                    |                               |                          |                            |                      |
|                      |                     | <b>GE=</b> 50µ inch Gold          |                    |                               |                          |                            |                      |

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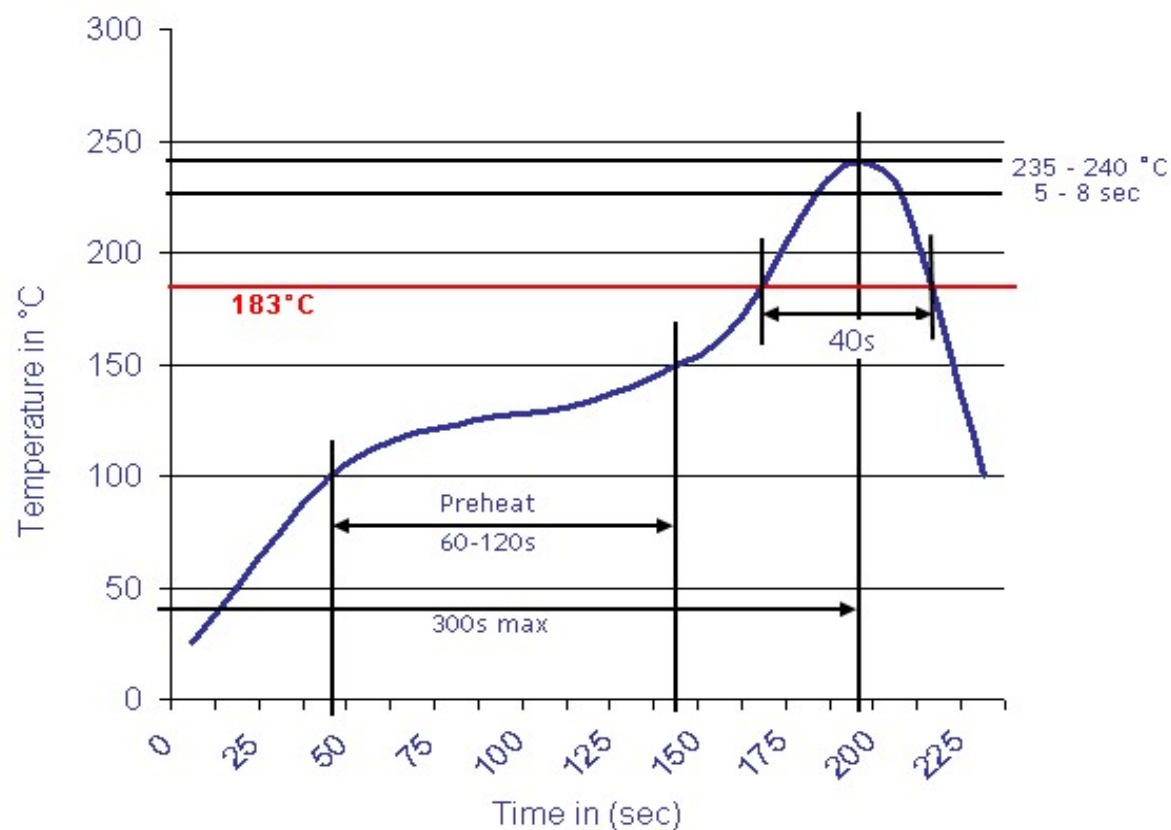


Contact



## Soldering Profile Curve

## Classification Reflow Profile (JEDEC J-STD-020C)


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