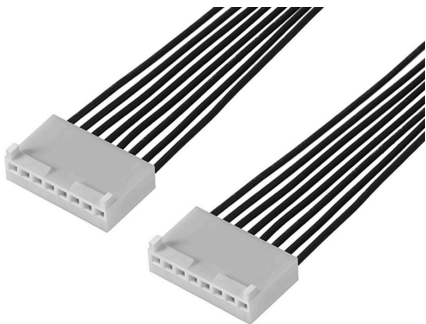




**Part Number :** [2177961081](#)  
**Product Description :** KK 254-to-KK 254 Off-the-Shelf (OTS) Cable Assembly, 2.54mm Pitch, Single Row, 150.00mm Length, 8 Circuits, Natural  
**Series Number :** 217796  
**Status :** Active  
**Product Category :** Power and Signal Cable Assemblies



## Documents & Resources

**Drawings**  
[2177961081\\_sd.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2024)6225-DC (07 Nov 2024)                                        |
| EU RoHS            | Compliant per EU 2015/863                                                             |

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

### EU RoHS Certificate of Compliance

## Part Details

### General

|                        |                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------|
| Status                 | Active                                                                                                              |
| Category               | Power and Signal Cable Assemblies                                                                                   |
| Series                 | 217796                                                                                                              |
| Description            | KK 254-to-KK 254 Off-the-Shelf (OTS) Cable Assembly, 2.54mm Pitch, Single Row, 150.00mm Length, 8 Circuits, Natural |
| Assembly Configuration | Dual Ended Connectors                                                                                               |
| Connector to Connector | KK 254-to-KK 254                                                                                                    |
| Product Name           | KK 254                                                                                                              |
| Type                   | Discrete Wire Assembly                                                                                              |
| UPC                    | 195842122925                                                                                                        |

### Physical

|                                |                      |
|--------------------------------|----------------------|
| Cable Length                   | 150.00mm             |
| Circuits (Loaded)              | 8                    |
| Circuits (maximum)             | 8                    |
| Color - Resin                  | Natural (White)      |
| Gender                         | Female-Female        |
| Lock to Mating Part            | Yes                  |
| Material - Metal               | Brass                |
| Material - Plating Mating      | Tin                  |
| Material - Plating Termination | Tin                  |
| Material - Resin               | Nylon                |
| Net Weight                     | 8.340/g              |
| Number of Rows                 | 1                    |
| Pitch - Mating Interface       | 2.54mm               |
| Plating min - Mating           | 2.540µm              |
| Single Ended                   | No                   |
| Termination Interface Style    | Crimp or Compression |
| Wire/Cable Type                | UL 11028             |
| Wire Insulation Diameter       | 1.57mm max.          |
| Wire Size (AWG)                | 22                   |

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## Mates With / Use With

### Mates with Part(s)

| Description                                                   | Part Number   |
|---------------------------------------------------------------|---------------|
| KK 254 Vertical Breakaway Headers with Friction Lock          | <u>42375</u>  |
| KK 254 Right-Angle Surface Mount Compatible Breakaway Headers | <u>42377</u>  |
| KK 254 Right-Angle Breakaway Headers                          | <u>42376</u>  |
| KK 254 Single Row Vertical Headers                            | <u>4030</u>   |
| KK 254 Vertical Single Row Solid Headers                      | <u>6373</u>   |
| KK 254 Vertical Single Row Headers                            | <u>6410</u>   |
| KK 254 RPC Vertical Headers with Friction Lock                | <u>171856</u> |
| KK 254 RPC Right-Angle Headers with Friction Lock             | <u>171857</u> |