

# 1871058-2 ✓ ACTIVE

TE Internal #: 1871058-2

PCI & PCI Express Connectors, Board-to-Board, 64 Position, .039 in [1 mm] Centerline, Vertical, Black, Height .433 in [11 mm], Width .35 in [8.88 mm]

[View on TE.com >](#)



Connectors > PCB Connectors > Card Edge Connectors > PCI & PCI Express Connectors



Connector System: **Board-to-Board**

Number of Positions: **64**

PCI Generation: **2 & 3**

Centerline (Pitch): **1 mm [ .039 in ]**

Termination Post & Tail Length: **2 mm [ .079 in ]**

## Features

### Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board

### Configuration Features

Number of PCB Mount Retention Features	2
Number of Positions	64
PCB Mount Orientation	Vertical
Ejector	Without

### Electrical Characteristics

Operating Voltage	50 VAC
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### Body Features

Product Weight	2.863 g
Primary Product Color	Black

### Contact Features

PCB Contact Termination Area Plating Material Thickness	.5 $\mu$ m
Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy



Contact Current Rating (Max)	1.1 A
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	30 μin
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### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Termination Post & Tail Length	2 mm[.079 in]
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### Mechanical Attachment

Connector Mounting Type	Board Mount
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### Housing Features

Housing Material	High Temperature Thermoplastic
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Centerline (Pitch)	1 mm[.039 in]
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### Dimensions

Connector Length	39 mm[1.535 in]
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PCB Thickness (Accepted)	1.57 mm[.062 in]
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PCB Thickness (Recommended)	1.6 mm[.063 in]
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Connector Height	11 mm[.433 in]
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Connector Width	8.88 mm[.35 in]
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### Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

Bus Type	PCI Express
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PCI Generation	2 & 3
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### Packaging Features

Packaging Quantity	40
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Packaging Method	Box & Tray, Tray
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JAN 2024 (240)

Candidate List Declared Against: JAN 2024 (240)

Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Not applicable for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

### Compatible Parts



TE Part # 5-2337939-4  
PCIe GEN4 CON,SMT,164POS,30u", MYLAR,HT



TE Part # 1734774-1  
PCI EXP 3.1L 36 POS WHT G/F

### Customers Also Bought



TE Part #2013499-1  
MICRO USB, TYPE B



TE Part #1658197-1  
SFP, 20 POSN, 0.8MM PITCH, SUR



TE Part #ZPF000000000003594  
724-0001-22



TE Part #ZPF00000000000200230  
724-0001-24



TE Part #ZPF0000000000000570  
020-0511-20



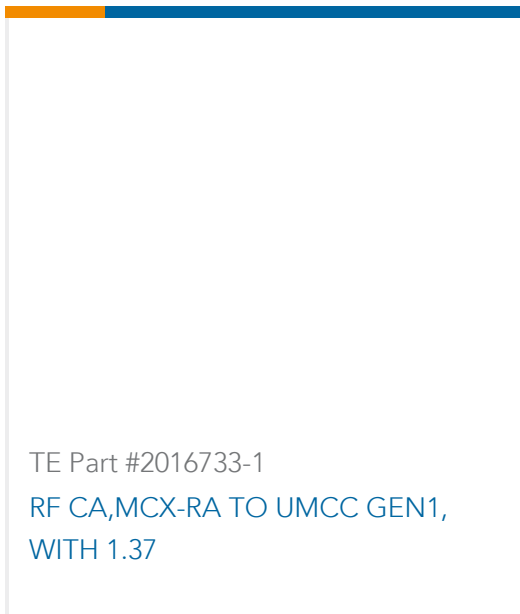
TE Part #2178531-4  
Crown Clip Junior AG Plating Reflow



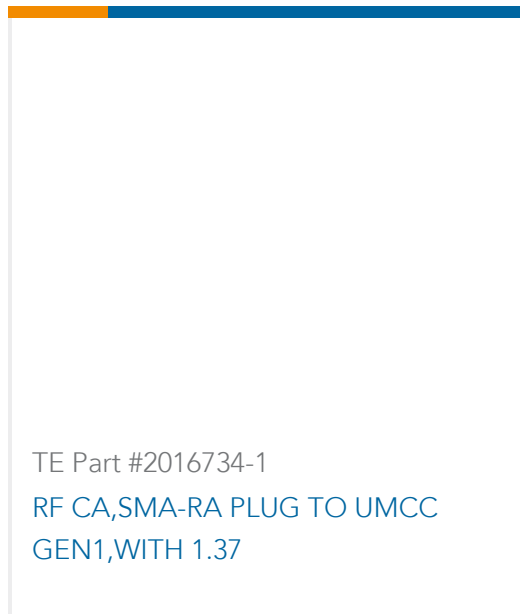
TE Part #605837-ZZ  
TOOL INS-REM



TE Part #1367627-8  
light pipe assy, 1x1 sfp



TE Part #2016733-1  
RF CA,MCX-RA TO UMCC GEN1,  
WITH 1.37



TE Part #2016734-1  
RF CA,SMA-RA PLUG TO UMCC  
GEN1,WITH 1.37

## Documents

### Product Drawings

PCI EXPRESS CONN. EON TYPE, 64P, L=2.0

English

### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1871058-2\_E.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1871058-2\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1871058-2\_E.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Product Specifications

Product Specification

English

Product Specification

Japanese