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Part Number:

0744415010

Status:

Active

Overview:

SFP+ and SFP Interconnect Solutions

Description:

0.80mm Pitch SFP Plus (SFP+) Host Connector, Right Angle, Surface Mount, 20 Circuits, 0.76µm Gold (Au) Plating Over Nickel (Ni), Solder Area Tin (Sn) Over Nickel (Ni)

|                                                              |                                                      |
|--------------------------------------------------------------|------------------------------------------------------|
| Documents:                                                   |                                                      |
| <a href="#">3D Model</a>                                     | <a href="#">Test Summary TS-74441-0003 (PDF)</a>     |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Test Summary TS-74441-002 (PDF)</a>      |
| <a href="#">Product Specification PS-74441-001 (PDF)</a>     | <a href="#">Test Summary TS-74441-010 (PDF)</a>      |
| <a href="#">Application Specification AS-74441-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a> |

Agency Certification

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

General

|                  |                                     |
|------------------|-------------------------------------|
| Product Family   | I/O Connectors                      |
| Series           | 74441                               |
| Application      | Module-to-Board                     |
| Component Type   | Receptacle                          |
| Electrical Model | Yes                                 |
| Overview         | SFP+ and SFP Interconnect Solutions |
| Product Name     | SFP Plus                            |
| Type             | N/A                                 |
| UPC              | 800756753188                        |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Boot Color                     | N/A                            |
| Circuits (Loaded)              | 20                             |
| Circuits (maximum)             | 20                             |
| Circuits Detail                | 20                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 200                            |
| Flammability                   | 94V-0                          |
| Gender                         | Receptacle                     |
| Keying to Mating Part          | None                           |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | High Performance Alloy (HPA)   |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 0.700/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Right Angle                    |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| Packaging Type                 | Embossed Tape on Reel          |
| Panel Mount                    | No                             |
| Pitch - Mating Interface       | 0.80mm                         |
| Pitch - Termination Interface  | 0.80mm                         |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 2.540µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | No                             |
| Ports                          | 1                              |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per  
-ED/79/2015 (17  
December 2015)

Halogen-Free

Status

Low-Halogen

Need more information on product  
environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

|            |              |
|------------|--------------|
| China ROHS | Green Image  |
| ELV        | Not Relevant |

Search Parts in this Series

[74441](#) Series

Mates With

SFP Plus Modules

Use With

EMI Shield, [73927](#) SFP Cage, [86025](#) LC  
Duplex Cable Assembly, Guide Frame,  
[73939](#) HSSDC2 Cable Assembly

|                                                |                                           |
|------------------------------------------------|-------------------------------------------|
| Surface Mount Compatible (SMC)                 | Yes                                       |
| Temperature Range - Operating                  | -40°C to +85°C                            |
| Termination Interface: Style                   | Surface Mount                             |
| Waterproof / Dustproof                         | No                                        |
| Wire Size AWG                                  | N/A                                       |
| <b>Electrical</b>                              |                                           |
| Current - Maximum per Contact                  | 0.5A                                      |
| Grounding to Panel                             | Yes                                       |
| Shielded                                       | No                                        |
| Voltage - Maximum                              | 30V AC (RMS)/DC                           |
| <b>Solder Process Data</b>                     |                                           |
| Duration at Max. Process Temperature (seconds) | 040                                       |
| Lead-freeProcess Capability                    | REFLOW                                    |
| Max. Cycles at Max. Process Temperature        | 003                                       |
| Process Temperature max. C                     | 260                                       |
| <b>Material Info</b>                           |                                           |
| <b>Reference - Drawing Numbers</b>             |                                           |
| Application Specification                      | AS-74441-001                              |
| Electrical Model Document                      | EE-74441-001                              |
| Product Specification                          | PS-74441-001                              |
| S-Parameter Model                              | SP-74441-001                              |
| Sales Drawing                                  | SD-74441-001, SD-74441-008                |
| Test Summary                                   | TS-74441-0003, TS-74441-002, TS-74441-010 |

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