

RJ45 Jack Modules: Category 5e and Category 6 by Panduit Corporation

Health Product Declaration v2.0

CLASSIFICATION: 27 20 00

created via: HPDC Online Builder

PRODUCT DESCRIPTION: RJ45 JACKS FACILITATE THE MODULAR CONNECTION OF A PATCH CORD TO A PERMANENT CHANNEL. THE FOLLOWING JACK MODULES ARE INCLUDED IN THIS DECLARATION: CJ5E88TG**, CJ688TG**, CJS5E88TG**Y, CJS688TG**Y, CJT5E88TG**, CJT688TG**, CJR5E88TG**, CJR688TG**, CJ5E88T**, CJ688TP**, NKP5E88M**, NK688M**, AND NK6TM**.

Section 1: Summary

CONTENT INVENTORY

| | |
|--|---|
| Threshold per material | Residuals and impurities considered in 0 of 4 materials |
| <input type="radio"/> 100 ppm | <input checked="" type="radio"/> see Section 2: |
| <input checked="" type="radio"/> 1,000 ppm | Material Notes |
| <input type="radio"/> Per GHS SDS | <input checked="" type="radio"/> see Section 5: |
| <input checked="" type="radio"/> Per OSHA MSDS | General Notes |
| <input type="radio"/> Other | |

Based on the selected Content Inventory Threshold:

| | | |
|---|----------------------------------|----------------------------------|
| Characterized..... | <input checked="" type="radio"/> | <input type="radio"/> |
| Are the Percent Weight and Role provided for all substances? | Yes | No |
| Screened..... | <input type="radio"/> | <input checked="" type="radio"/> |
| Are all substances screened using Priority Hazard Lists with results disclosed? | Yes | No |
| Identified..... | <input checked="" type="radio"/> | <input type="radio"/> |
| Are all substances disclosed by Name (Specific or Generic) and Identifier? | Yes | No |

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

Number of Greenscreen BM-4/BM3 contents..... 0
 Contents highest concern GreenScreen Benchmark or List translator Score..... BM-1
 Nanomaterial..... No

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

HOUSING AND FRONT SLED [ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER
LT-UNK TETRABROMOBISPHENOL A (TBBPA) BM-1 | AQU | CAN | PBT | END | MUL
ANTIMONY TRIOXIDE BM-1 | MAM | CAN | AQU | MUL CARBON BLACK LT-1 | CAN
C.I. SOLVENT VIOLET 14 UNK 1,2-BIS(OCTADECANAMIDO)ETHANE LT-UNK
ADDITIVES UNK] REAR SLED AND WIRE CAP [POLYCARBONATE LT-UNK
STYRENE, METHYL METHACRYLATE, BUTADIENE POLYMER LT-UNK FLAME
RETARDANT UNK DIPOTASSIUM 3,3'-SULPHONYLBIS(BENZENESULPHONATE) UNK
POTASSIUM 3-(PHENYLSULFONYL)BENZENESULFONATE UNK TITANIUM DIOXIDE LT-1
| CAN ADDITIVE UNK PIGMENT UNK] CONTACTS [COPPER LT-UNK TIN LT-UNK
PHOSPHORUS BM-2 | AQU | PHY ZINC LT-P1 | AQU | MUL | PHY IRON LT-UNK]
PRINTED CIRCUIT BOARD [PRINTED CIRCUIT BOARD UNK]

INVENTORY AND SCREENING NOTES:

At the time of publication, this product contains substances that are considered special conditions in the HPD v2.0 standard. These special conditions include metal alloys and electronic components. Since these special conditions do not have guidance on how to present the associated and relevant health hazards, single line entries have been made to transparently disclose these components.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

LCA: Environmental Product Declaration: Panduit RJ45 Jack Modules

See Section 3 for additional listings.

| | | | |
|--|-----------------|---------------------------------|--|
| <input checked="" type="radio"/> Self-Published* | VERIFIER: | SCREENING DATE: January 4, 2017 | EXPIRY DATE*: January 12, 2020 |
| <input type="radio"/> Third Party Verified | VERIFICATION #: | RELEASE DATE: January 12, 2017 | * or within 3 months of significant change in product contents |
| *See HPDC website for details | | | |



Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

HOUSING AND FRONT SLED %: 15.3900 - 45.0500 HPD URL:

Inventory Threshold: Per OSHA MSDS Residuals Considered: No

Material Notes:

ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER

ID: 9003-56-9

%: 70.0000 - 85.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Sled and Housing Resin

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

TETRABROMOBISPHENOL A (TBBPA)

ID: 79-94-7

%: 10.0000 - 20.0000

GS: BM-1

RC: None

NANO: NO

ROLE: Flame Retardant

HAZARDS:

ACUTE AQUATIC

EU - R-phrases

R50 - Very Toxic to Aquatic Organisms

CANCER

IARC

Group 2a - Agent is probably Carcinogenic to humans

PBT

WA DoE - PBT

PBT

PBT

US EPA - Toxics Release Inventory PBTs

PBT

PBT

OSPAR - Priority PBTs & EDs & equivalent concern

PBT - Chemical for Priority Action

ENDOCRINE

OSPAR - Priority PBTs & EDs & equivalent concern

Endocrine Disruptor - Chemical for Priority Action

PBT

OR DEQ - Priority Persistent Pollutants

Priority Persistent Pollutant - Tier 1

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

CHRON AQUATIC

EU - GHS (H-Statements)

H410 - Very toxic to aquatic life with long lasting effects

ENDOCRINE

ChemSec - SIN List

Endocrine Disruption

| | | |
|-----------|---|--|
| ENDOCRINE | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| MULTIPLE | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |
| PBT | EHP - San Antonio Statement on BFRs & CFRs | Flame retardant substance class of concern for PB&T & long range transport |

SUBSTANCE NOTES:

ANTIMONY TRIOXIDE

ID: 1309-64-4

%: 1.0000 - 8.0000 GS: BM-1 RC: None NANO: NO ROLE: Flame Retardant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

| | | |
|---------------|-------------------------|--|
| MAMMALIAN | EU - R-phrases | R20 - Harmful by Inhalation (gas or vapor or dust/mist) |
| MAMMALIAN | EU - R-phrases | R22 - Harmful if Swallowed |
| CANCER | EU - R-phrases | R40 - Limited Evidence of Carcinogenic Effects |
| ACUTE AQUATIC | EU - R-phrases | R51 - Toxic to Aquatic Organisms |
| CANCER | IARC | Group 2b - Possibly carcinogenic to humans |
| CANCER | CA EPA - Prop 65 | Carcinogen |
| CHRON AQUATIC | EU - GHS (H-Statements) | H411 - Toxic to aquatic life with long lasting effects |
| CANCER | EU - GHS (H-Statements) | H351 - Suspected of causing cancer |
| MULTIPLE | ChemSec - SIN List | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant |
| CANCER | MAK | Carcinogen Group 2 - Considered to be carcinogenic for man |

SUBSTANCE NOTES:

CARBON BLACK

ID: 1333-86-4

%: 0.0000 - 0.5000 GS: LT-1 RC: None NANO: NO ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

| | | |
|--------|-----------------------------------|--|
| CANCER | US CDC - Occupational Carcinogens | Occupational Carcinogen |
| CANCER | CA EPA - Prop 65 | Carcinogen - specific to chemical form or exposure route |
| CANCER | IARC | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources |

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: This pigment may not be present in every color combination available in the product portfolio.

C.I. SOLVENT VIOLET 14

ID: 8005-40-1

#: 0.0000 - 0.1500 GS: UNK RC: None NANO: NO ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This pigment may not be present in every color combination available in the product portfolio.

1,2-BIS(OCTADECANAMIDO)ETHANE

ID: 110-30-5

#: 0.0000 - 0.1500 GS: LT-UNK RC: None NANO: NO ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This pigment may not be present in every color combination available in the product portfolio.

ADDITIVES

ID: UNK

#: 0.0000 - 3.0000 GS: UNK RC: None NANO: NO ROLE: Additives

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This ingredient is proprietary and was not disclosed by the supplier.

REAR SLED AND WIRE CAP #: 12.6500 - 46.7600 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes:

POLYCARBONATE

ID: 25037-45-0

#: 90.0000 - 100.0000 GS: LT-UNK RC: None NANO: NO ROLE: Rear Sled and Wire Cap Resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

STYRENE, METHYL METHACRYLATE, BUTADIENE POLYMER

ID: 25053-09-2

%: 1.0000 - 3.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Impact Modifier

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

FLAME RETARDANT

ID: UND

%: 1.0000 - 2.0000

GS: UNK

RC: None

NANO: NO

ROLE: Flame Retardant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This ingredient is proprietary and was not disclosed by the supplier.

DIPOTASSIUM 3,3'-SULPHONYLBIS(BENZENESULPHONATE)

ID: 63316-33-6

%: 0.0000 - 1.0000

GS: UNK

RC: None

NANO: NO

ROLE: Flame Retardant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

POTASSIUM 3-(PHENYLSULFONYL)BENZENESULFONATE

ID: 63316-43-8

%: 0.0000 - 1.0000

GS: UNK

RC: None

NANO: NO

ROLE: Flame Retardant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

%: 0.0000 - 2.0000

GS: LT-1

RC: None

NANO: NO

ROLE: Pigment

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

| | | |
|--------|-----------------------------------|--|
| CANCER | US CDC - Occupational Carcinogens | Occupational Carcinogen |
| CANCER | CA EPA - Prop 65 | Carcinogen - specific to chemical form or exposure route |
| CANCER | IARC | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources |
| CANCER | MAK | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value |

SUBSTANCE NOTES:

ADDITIVE

ID: UND

| | | | | |
|--------------------|---------|----------|----------|----------------|
| %: 0.0000 - 1.0000 | GS: UNK | RC: None | NANO: NO | ROLE: Additive |
|--------------------|---------|----------|----------|----------------|

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

| | |
|------------|---|
| None Found | No warnings found on HPD Priority lists |
|------------|---|

SUBSTANCE NOTES: This ingredient is proprietary and was not disclosed by the supplier.

PIGMENT

ID: UND

| | | | | |
|--------------------|---------|----------|----------|---------------|
| %: 0.0000 - 1.0000 | GS: UNK | RC: None | NANO: NO | ROLE: Pigment |
|--------------------|---------|----------|----------|---------------|

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

| | |
|------------|---|
| None Found | No warnings found on HPD Priority lists |
|------------|---|

SUBSTANCE NOTES: This ingredient is proprietary and was not disclosed by the supplier.

CONTACTS**%: 8.6900 - 67.8800****HPD URL:**

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes: This material is an alloyed metal. At the time of publication, the HPD v2.0 standard does not provide further disclosure guidance on metals, as metals are considered "special conditions." Therefore, the metal alloy is disclosed down to 1000ppm; however, the associated health hazards may not be relevant as the exposure levels and risk of hazards are very low.

COPPER

ID: 7440-50-8

| | | | | |
|-----------------------|------------|----------|----------|-------------------|
| %: 90.0000 - 100.0000 | GS: LT-UNK | RC: None | NANO: NO | ROLE: Alloy Metal |
|-----------------------|------------|----------|----------|-------------------|

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

| | |
|------------|---|
| None Found | No warnings found on HPD Priority lists |
|------------|---|

SUBSTANCE NOTES: This substance is a part of an alloyed metal. Any associated hazards listed may not have exposure or risk associated with the final product.

TIN

ID: 7440-31-5

%: 0.0000 - 10.0000 GS: LT-UNK RC: None NANO: NO ROLE: Alloy Metal

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is a part of an alloyed metal. Any associated hazards listed may not have exposure or risk associated with the final product.

PHOSPHORUS

ID: 7723-14-0

%: 0.0000 - 0.3500 GS: BM-2 RC: None NANO: NO ROLE: Alloy Metal

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC EU - R-phrases R52 - Harmful to Aquatic Organisms

PHYSICAL HAZARD (REACTIVE) EU - GHS (H-Statements) H228 - Flammable solid

SUBSTANCE NOTES: This substance is a part of an alloyed metal. Any associated hazards listed may not have exposure or risk associated with the final product.

ZINC

ID: 7440-66-6

%: 0.0000 - 0.3000 GS: LT-P1 RC: None NANO: NO ROLE: Alloy Metal

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC EU - R-phrases R50 - Very Toxic to Aquatic Organisms

ACUTE AQUATIC EU - GHS (H-Statements) H400 - Very toxic to aquatic life

CHRON AQUATIC EU - GHS (H-Statements) H410 - Very toxic to aquatic life with long lasting effects

MULTIPLE German FEA - Substances Hazardous to Waters Class 2 - Hazard to Waters

PHYSICAL HAZARD (REACTIVE) EU - GHS (H-Statements) H250 - Catches fire spontaneously if exposed to air

PHYSICAL HAZARD (REACTIVE) EU - GHS (H-Statements) H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: This substance is a part of an alloyed metal. Any associated hazards listed may not have exposure or risk associated with the final product.

IRON

ID: 7439-89-6

%: 0.0000 - 0.1000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Alloy Metal

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is a part of an alloyed metal. Any associated hazards listed may not have exposure or risk associated with the final product.

PRINTED CIRCUIT BOARD

%: 3.8500 - 8.9500

HPD URL:

Inventory Threshold: Per OSHA MSDS

Residuals Considered: No

Material Notes: Electronics are often highly complex mixtures of ingredients with a long and complicated supply chain. A printed circuit board is classified under the HPD v2.0 "Speacial Conditions" under electronics. Per HPD v1.0 guidance, "pending development of HPDs for building product electronic components, including circuit boards, displays and related wires and connectors in a product may be combined into one single line entry instead of being individually itemized.... An HPD using this option will not be fully disclosed, it will be considered a complete HPD." Therefore, this material is disclosed as one line entry until further materials data is determined throughout the supply chain.

PRINTED CIRCUIT BOARD

ID:

%: 100.0000

GS: UNK

RC: None

NANO: NO

ROLE: Circuit Board

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Electronics are often highly complex mixtures of ingredients with a long and complicated supply chain. A printed circuit board is classified under the HPD v2.0 "Speacial Conditions" under electronics. Until further guidance from HPD v2.0, this material is disclosed as one line entry until further materials data is determined throughout the supply chain.

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

LCA

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Orland Park, IL and Costa Rica
CERTIFICATE URL:
<http://www.panduit.com/ccurl/455/956/environmental%20product%20declaration-rj45-modular-jacks.pdf>
CERTIFICATION AND COMPLIANCE NOTES:

Environmental Product Declaration: Panduit RJ45 Jack Modules

| ISSUE DATE: | EXPIRY DATE: | CERTIFIER OR LAB: |
|-------------|--------------|-------------------|
| 2016-09-26 | 2021-09-25 | Environment |

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

This Health Product Declaration was prepared by Sustainable Solutions Corporation of Royersford, PA, USA.

MANUFACTURER INFORMATION

MANUFACTURER: Panduit Corporation

CONTACT NAME: Technical Support

ADDRESS: 18900 Panduit Dr
Tinley Park, IL 60487
United States

TITLE: Technical Support

PHONE: 866-405-6654

WEBSITE: <http://www.panduit.com/>EMAIL: TechSupport@panduit.com**KEY****OSHA MSDS** Occupational Safety and Health Administration Material Safety Data Sheet**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity**GLO** Global warming**PHY** Physical Hazard (reactive)**CAN** Cancer**MAM** Mammalian/systemic/organ toxicity**REP** Reproductive toxicity**DEV** Developmental toxicity**MUL** Multiple hazards**RES** Respiratory sensitization**END** Endocrine activity**NEU** Neurotoxicity**SKI** Skin sensitization/irritation/corrosivity**EYE** Eye irritation/corrosivity**OZO** Ozone depletion**LAN** Land Toxicity**GEN** Gene mutation**PBT** Persistent Bioaccumulative Toxic**NF** Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)**LT-P1** List Translator Possible Benchmark 1**BM-3** Benchmark 3 (use but still opportunity for improvement) BM-2
Benchmark 2 (use but search for safer substitutes)**LT-1** List Translator Likely Benchmark 1**BM-1** Benchmark 1 (avoid - chemical of high concern)**LT-UNK** List Translator Benchmark Unknown (insufficient
information from List Translator lists to benchmark)**BM-U** Benchmark Unspecified (insufficient data to benchmark)**UNK** Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)**PostC** Postconsumer**Both** Both Preconsumer and Postconsumer**Unk** Inclusion of recycled content is unknown**None** Does not include recycled content

Other

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)**Independent Lab** Manufacturer's self-declaration using results from an independent lab**Second Party** Verification by trade association or other interested party**Third Party** Verification by independent certifier**Applicable facilities** Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator, and when available, full GreenScreen assessments. The HPD Open Standard does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.