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

CLASSIFICATION: 27 20 00

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**.

Health Product Declaration v2.0

created via: HPDC Online Builder

Section 1: Summary

CONTENT INVENTORY

Threshold per material
- ○ 100 ppm
- ◉ 1,000 ppm
- ○ Per GHS SDS
- ◉ Per OSHA MSDS
- ○ Other

Residuals and impurities considered in 0 of 4 materials
- ◉ see Section 2: Material Notes
- ◉ see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized..... Are the Percent Weight and Role provided for all substances?	◉ Yes	○ No
Screened..... Are all substances screened using Priority Hazard Lists with results disclosed?	○ Yes	◉ No
Identified..... 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.

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]

Number of Greenscreen BM-4/BM3 contents..... 0

Contents highest concern GreenScreen Benchmark or List translator Score..... BM-1

Nanomaterial..... No

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.

◉ Self-Published*	VERIFIER:	SCREENING DATE: January 4, 2017	EXPIRY DATE*: January 12, 2020
○ 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:	AGENCY(IES) WITH WARNINGS:
None Found	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:		AGENCY(IES) WITH WARNINGS:
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 porfolio.

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 porfolio.

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 porfolio.

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 disclsoure 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	UL 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.

Section 5: General Notes

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

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: Panduit Corporation

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

WEBSITE: http://www.panduit.com/

CONTACT NAME: Technical Support

TITLE: Technical Support

PHONE: 866-405-6654

EMAIL: TechSupport@panduit.com

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classi cation and Labeling of Chemicals Safety Data Sheet

Hazard Types

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspeci ed (insu cient data to benchmark)
LT-P1 List Translator Possible Benchmark 1
LT-1 List Translator Likely Benchmark 1
LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists 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.