



Obsolescence Management Solutions



Total Parts Plus, Inc.

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Obsolescence Management Solutions



Total Parts Plus offers supply-chain management products, services, and integrated solutions in the form of online applications and services, located at <http://www.totalpartsplus.com>.



Customers evaluate electronic parts for obsolescence, availability, material content, and substitution opportunities. Customers can also make informed management decisions relative to the electronic parts and design usage.





Parts Plus CT

- **Parts Plus CT (Content Tracker) enables users to access detailed material content information.**
- **Highlights materials that are restricted, reportable, and lead-free.**
- **Identifies potential alternate devices which may conform to new regulations.**



Material Content BOM Analysis

Substance Disclosure Level: Level A (Restricted) Level B (Reportable) Lead Free

Total Substance Amounts for BOM MCTEST (Substance totals are based on absolute and max values)

| Substance | CAS Number | Disclosure Level | Total of Substance (mg) |
|---------------------|-------------------------------------|-------------------------------------|-------------------------|
| Antimony Compound | 1309-84-4 | <input checked="" type="checkbox"/> | 1.274 |
| | 1314-60-9 | | |
| Brominated Compound | 40039-93-8 | | 1.701 |
| | 68928-70-1 | | |
| | 68541-56-0 | | |
| | 79-94-7 | | |
| Carbon Black | 7440-44-0 1333-86-4 | | 0.6335 |
| Cobalt | 7440-48-4 | | 0.0854 |
| Gold | 7440-57-5 | <input checked="" type="checkbox"/> | 0.1463 |
| Iron | 7439-89-6 | | 9.59 |
| Lead | 7439-92-1 | <input checked="" type="checkbox"/> | 0.3084 |
| Manganese | 7439-96-5 | | 0.1337 |
| Nickel | 7440-02-0 | <input checked="" type="checkbox"/> | 7.21 |
| Resin | | | 14.63 |
| Silica | 7631-86-9 60676-86-0 14808-60-7 | | 33.95 |
| Silicon | 7440-21-3 | | 0.40222 |
| Silver | 7440-22-4 | <input checked="" type="checkbox"/> | 0.06699 |
| Tin | 7440-31-5 | | 2.095 |

BOM Content for MCTEST (Views: All | Content | No Content)

Pages - (1 of 1) (00 Page(s))



Material Content Collection Services

- Compliant to WEEE, RoHS, EIA, EICTA, ELV and JGPSSI requirements
- Data input/output formats are customer defined
- Service currently supports all existing formats
- Data collection is flexible to ensure rapid adaptability to future requirements



The screenshot shows the 'Material Content BOM Analysis' page. It includes a navigation menu, a search bar, and a table of substance data. The table has columns for Substance, CAS Number, Disclosure Level, and Total of Substance (mg).


| Substance | CAS Number | Disclosure Level | Total of Substance (mg) |
|---------------------|-------------------------------------|------------------|-------------------------|
| Antimony Compound | 1309-84-4 | ✓ | 1.274 |
| | 1314-60-9 | | |
| Brominated Compound | 40039-93-8 | | 1.701 |
| | 68928-70-1 | | |
| | 68541-56-0 | | |
| | 79-94-7 | | |
| Carbon Black | 7440-44-0 1333-86-4 | | 0.6335 |
| | 7440-48-4 | | |
| Cobalt | 7440-57-5 | ✓ | 0.1463 |
| Iron | 7439-89-6 | | 9.59 |
| Lead | 7439-92-1 | ✗ | 0.3084 |
| Manganese | 7439-96-5 | | 0.1337 |
| Nickel | 7440-02-0 | ✓ | 7.21 |
| Resin | | | 14.63 |
| Silica | 7631-86-9 60676-86-0 14808-60-7 | | 33.95 |
| Silicon | 7440-21-3 | | 0.40222 |
| Silver | 7440-22-4 | ✓ | 0.06699 |
| Tin | 7440-31-5 | | 2.095 |

BOM Content for MCTEST (Views: All | Content | No Content)
Pages - (1 of 1) (00 Page(s))



Material Content Collection Services

- Data collection evolving to items outside of Electronics such as Mechanical and Electro-mechanical
- Addition of Moisture Sensitivity level data for electronics
- Addition of Reflow temperature data



Parts Plus
Obsolescence Management Solutions

Log off | PIN Search: | Go | **ACTIVIS** | Active | Favorite | Book

Home Page | Parts Search | BOM Analysis | Structure Analysis | Material Content Analysis | Data Entry | Services | Help

Material Content BOM Analysis | Selected BOM: MCTEST

Substance Disclosure Level: Level A (Restricted) | Level B (Reportable) | Lead Free

[Download Report based on this Bill of Materials Material Contents](#)

Total Substance Amounts for BOM MCTEST (Substance totals are based on absolute and max values)

| Substance | CAS Number | Disclosure Level | Total of Substance (mg) |
|---------------------|--------------------------------------|-------------------------------------|-------------------------|
| Antimony Compound | 1309-84-4 | <input checked="" type="checkbox"/> | 1.274 |
| | 1314-60-9 | <input checked="" type="checkbox"/> | |
| Brominated Compound | 40039-93-8 | <input type="checkbox"/> | 1.701 |
| | 68928-70-1 | <input type="checkbox"/> | |
| | 68541-56-0 | <input type="checkbox"/> | |
| | 79-94-7 | <input type="checkbox"/> | |
| Carbon Black | 7440-44-0 1333-86-4 | <input type="checkbox"/> | 0.6335 |
| Cobalt | 7440-48-4 | <input type="checkbox"/> | 0.0854 |
| Gold | 7440-57-5 | <input checked="" type="checkbox"/> | 0.1463 |
| Iron | 7439-89-6 | <input type="checkbox"/> | 9.59 |
| Lead | 7439-92-1 | <input checked="" type="checkbox"/> | 0.3084 |
| Manganese | 7439-96-5 | <input type="checkbox"/> | 0.1337 |
| Nickel | 7440-02-0 | <input checked="" type="checkbox"/> | 7.21 |
| Resin | | <input type="checkbox"/> | 14.63 |
| Silica | 7631-86-9 60676-86-01 14808-60-7 | <input type="checkbox"/> | 33.95 |
| Silicon | 7440-21-3 | <input type="checkbox"/> | 0.40222 |
| Silver | 7440-22-4 | <input checked="" type="checkbox"/> | 0.06699 |
| Tin | 7440-31-5 | <input type="checkbox"/> | 2.095 |

BOM Content for MCTEST (Views: All | Content | No Content)

Pages - (1 of 1) (00) Page(s)

European "No Lead" standards. Analyze your BOM for WEEE & RoHS compliance.

BOM Operations: Choose Operation... **BOM:** NEW EXAMPLE BOM

Disclosure Levels: - Level A (Restricted) - Level B (Reportable) - Lead Free

[Download Report based on this Bill of Materials](#)

[Calculate Total Material Contents For this Bill of Materials](#)

Views: [Standard](#) | [Demo](#) | [Ramon](#) | [slim](#)
[\(Create New View\)](#)

Pages - (1 of 1) [\(NO Pagination\)](#)

Select a specific Part Type:



Will this pass the standards? Click here.

| Notes | Reference P/N | Generic | Pkg/Pins | Function | Generic Flag | Generic/Pkg/Pins Flag | Disclosure Level |
|-------|-------------------------------|---------------------------|------------|----------------------|--------------|-----------------------|------------------|
| | 2N7002E | 2N7002 | TO-236AB/3 | MOSFET | 2 or More | 2 or More | |
| | 74AC11086DR | 74AC11086 | SOP/16 | XOR | Sole Source | Sole Source | |
| | ADCV08832CIM | 08832 | SOP/8 | Data Acquisition Sys | Sole Source | Sole Source | |
| | ADS1286UK/2K5 | 1286 | SOP/8 | ADC | 2 or More | 2 or More | |
| | BSS84 | NA-259292 | TO-236/3 | MOSFET | 2 or More | 2 or More | |
| | CD4516BE | 4516 | DIP/16 | Counter | 2 or More | 2 or More | |
| | DS90LV028ATMX | 90LV028 | SOP/8 | Line Receiver | 2 or More | 2 or More | |
| | FJV4101RMTE | 4101 | TO-236AB/3 | Transistor | Sole Source | Sole Source | |

| | | |
|--------------------|------------|-----------|
| Woven Glass Fabric | 65997-17-3 | 260.81078 |
| Zinc | 7440-66-6 | 2.617097 |
| Zirconium | 7440-67-7 | 1.28325 |

BOM Content for NEW EXAMPLE BOM (Views: [All](#) | [Content](#) | [No Content](#))

Pages - (1 of 2) (2) (NO Pagination)

| Reference PN | Catalog PN | Comments | Disclosure Level | Default P/N |
|-----------------|---------------------------------|---|------------------|---------------------------|
| 06032R221K9B20D | 06032R221K9B20D | | | Primary |
| 2N7002F | 2N7002E | | | Primary |
| 74AC11086DR | 74AC11086DR | Texas Instruments 3.9x9.9x1.60 Sub LF-343 | | Primary |
| 74AC11086DR | 74AC11086DR | Texas Instruments 3.91x9.9x1.58 TI LF-115 | | Secondary |
| 74AC11086DR | 74AC11086DR | Texas Instruments 3.91x9.9x1.58 TI LF-15 | | Secondary |
| 74AC11086DR | 74AC11086DR | Texas Instruments 3.80X9.90X1.50 Sub LF-71 | | Secondary |
| 74AC11086DR | 74AC11086DR | Texas Instruments 3.90X9.93X1.47 S... | | Secondary |
| 74AC11086DR | 74AC11086DR | Texas Instruments 3.90X10... Sub LF-58 | | Secondary |
| 74AC11086DR | 74AC11086DR | Texas Instruments 3.90X9.89X1.47 Sub LF-59 | | Secondary |
| 74AC11086DR | 74AC11086DR | Texas Instruments 3.90X9.89X1.47 Sub LF-51 | | Secondary |
| 74AC11086DR | 74AC11086DR | Texas Instruments 3.90X9.89X1.47 Sub LF-505 | | Secondary |
| 74AC11086DR | 74AC11086DR | Texas Instruments 3.90X9.89X1.47 Sub LF-60 | | Secondary |
| 74AC11086DR | 74AC11086DR | Texas Instruments 3.90X9.89X1.47 Sub LF-252 | | Secondary |
| 74AC11086DR | 74AC11086DR | Texas Instruments 3.90X9.89X1.47 Sub LF-506 | | Secondary |
| ADCV08832CIM | ADCV08832CIM | National Semi Lead Free | | Primary |

Pass or fail identification based on WEEE and RoHS parameters.

Prioritized your parts and research potential alternatives. Click here.

Material Content BOM Analysis - Edit Default P/N

Substance Disclosure Level: - Level A (Restricted) - Level B (Reportable) - Lead Free

Review potential alternatives and organize your product for compliance.

Select the Default P/N for the Reference P/N 74AC11086DR

| | <u>Catalog P/N</u> | <u>Manufacturer</u> | <u>Comments</u> | <u>Disclosure Level</u> | <u>Default P/N</u> |
|----------------------------------|-----------------------------|---------------------|---------------------------|-------------------------|--------------------|
| <input checked="" type="radio"/> | 74AC11086DR | Texas Instruments | 3.9x9.9x1.60 Sub LF-343 | | Primary |
| <input type="radio"/> | 74AC11086DR | Texas Instruments | 3.80X9.90X1.50 Sub LF-71 | | Secondary |
| <input type="radio"/> | 74AC11086DR | Texas Instruments | 3.90X10.00X1.50 Sub LF-58 | | Secondary |
| <input type="radio"/> | 74AC11086DR | Texas Instruments | 3.90X9.89X1.47 Sub LF-251 | | Secondary |
| <input type="radio"/> | 74AC11086DR | Texas Instruments | 3.90X9.89X1.47 Sub LF-252 | | Secondary |
| <input type="radio"/> | 74AC11086DR | Texas Instruments | 3.90X9.89X1.47 Sub LF-505 | | Secondary |
| <input type="radio"/> | 74AC11086DR | Texas Instruments | 3.90X9.89X1.47 Sub LF-506 | | Secondary |
| <input type="radio"/> | 74AC11086DR | Texas Instruments | 3.90X9.89X1.47 Sub LF-59 | | Secondary |
| <input type="radio"/> | 74AC11086DR | Texas Instruments | 3.90X9.89X1.47 Sub LF-60 | | Secondary |
| <input type="radio"/> | 74AC11086DR | Texas Instruments | 3.90X9.93X1.47 Sub LF-57 | | Secondary |
| <input type="radio"/> | 74AC11086DR | Texas Instruments | 3.91x9.9x1.58 TI LF-115 | | Secondary |
| <input type="radio"/> | 74AC11086DR | Texas Instruments | 3.91x9.9x1.58 TI LF-15 | | Secondary |

Material Content BOM Analysis

Select

Material content for the entire BOM is isolated and calculated automatically.

Substance Disclosure Level: - Level A (Restricted) - Level B (Reportable) - Lead Free

[Download Report based on this Bill of Materials Material Contents](#)

Total Substance Amounts for BOM NEW EXAMPLE BOM (Substance totals are based on Designated Primary Catalog P/Ns using all and max values)

| Substance | CAS Number | Disclosure Level | Total of Substance (mg) |
|-----------------------|--------------------------|------------------|-------------------------|
| Aluminum | 7429-90-5 | | 0.112775 |
| Antimony | 7440-00-0 | | 0.24 |
| Antimony Compound | 1309-64-4 1314-60-9 | | 26.362 |
| Antimony Trioxide | 1309-64-4 | | 300.616255 |
| Arsenic | 7440-38-2 | | 0.167028 |
| Beryllium | 7440-41-7 | | 0.000163 |
| Biphenyl Epoxy | | | 0.59245 |
| Bismaleimide Triazine | | | 260.81078 |
| Bisphenol-A or -F | 80-05-7 2467-02-9 | | 0.425275 |
| Prominated Compound | 40039-93-8 68928-70-1 | | 12.176 |

Create a material content report in Excel to document compliance

Log off

P/N Search

ACTIVES

Actives Passives Both



Parts Search

Enter a Generic, Catalog P/N , or Reference P/N - then
 Click "Go" or hit the [Enter] key
 Wildcards - (? and _ are single character wildcards, * and % are multiple
 Documents - PCN PDM Datasheet Materials Materials Jap

If you're researching a part and wish to purchase that part, you can submit a Request for Quote directly to PartMiner through the Total Parts Plus website.

Searched for
 Reference P/N: 2N7002F

For Other Options Click here...

Approved Catalog P/Ns

Quick Stats (Active P/N counts for each of the areas)

| Exact Matches | Alternates | General Active P/Ns | Aftermarket Active P/N(s) |
|-------------------|--------------------|---------------------|---------------------------|
| 1 | 28 | 34 | 1 |

User Approved Active Catalog P/Ns

| Manufacturers | Approved Catalog P/N | Customer MFG P/N | Function | Product Grade | Status | EOL | NSN | Documents | See Advisory | Stock Availability |
|-------------------------------|--------------------------------------|----------------------------------|--------------------------|-------------------------------|------------------------|---------------------|---------------------|---------------------------|------------------------------|------------------------------------|
| Philips Semi | 2N7002F | --- | MOSFET | Commercial | Active | | | | | |

[Add/Edit Approved Catalog P/Ns](#)

Reference P/N has an Availability of 11-15 years and 1 Active Approved Catalog P/N

To check on availability of a part, when searching for a part, simply click the shopping cart in the stock availability column.

[Edit User Defined Flag and Notes](#)

User Defined Flag: Not Selected

User Notes:



Obsolescence Management Solutions



Contact Sales at:

850-244-7293

Or

TPPsales@totalpartsplus.com