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Part Number:

0513870530

Status:

Active

Description:

USB On-The-Go (OTG) Mini-B Receptacle, Right Angle, Short Body, SMT Solder Tails and Through Hole Shell Tabs, with Cover Tape, Reflow DIP Type, Lead-free

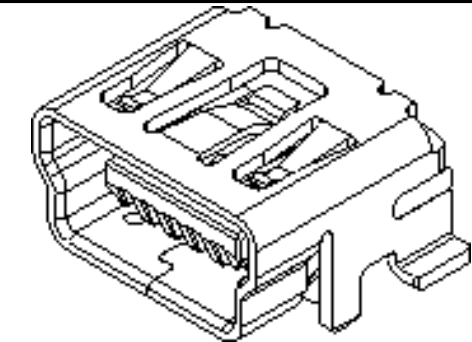


image - Reference only

Series

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-51387-003 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

| | |
|----------------|--------------------------|
| Product Family | I/O Connectors |
| Series | 51387 |
| Application | Wire-to-Board |
| Component Type | Receptacle |
| Product Name | USB, USB OTG (On-The-Go) |
| Type | Mini-B |

Physical

| | |
|--------------------------------|---|
| Boot Color | N/A |
| Circuits (Loaded) | 5 |
| Circuits (maximum) | 5 |
| Color - Resin | Black |
| Gender | Receptacle |
| Lock to Mating Part | Yes |
| Material - Metal | High Performance Alloy (HPA), Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Number of Rows | 1 |
| Orientation | Right Angle |
| PCB Locator | Yes |
| PCB Retention | Yes |
| Packaging Type | Embossed Tape on Reel |
| Panel Mount | No |
| Pitch - Mating Interface (in) | 0.031 In |
| Pitch - Mating Interface (mm) | 0.80 mm |
| Pitch - Term. Interface (in) | 0.031 In |
| Pitch - Term. Interface (mm) | 0.80 mm |
| Plating min: Mating (µin) | 30.4 |
| Plating min: Mating (µm) | 0.76 |
| Plating min: Termination (µin) | 40 |
| Plating min: Termination (µm) | 1 |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Ports | 1 |
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | 0°C to +50°C |
| Termination Interface: Style | Surface Mount |
| Waterproof / Dustproof | No |
| Wire Size AWG | N/A |

Electrical

| | |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 1A |
| Shield Type | Full Shield |
| Shielded | Yes |
| Voltage - Maximum | 30V AC (RMS)/DC |

EU RoHS

ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

China RoHS



Need more information on product
environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series
51387Series

Mates With
59204-9405

Solder Process Data

| | |
|--|---------------------------|
| Duration at Max. Process Temperature (seconds) | 3 |
| Lead-free Process Capability | Reflow Capable (SMT only) |
| Max. Cycles at Max. Process Temperature | 1 |
| Process Temperature max. C | 245 |

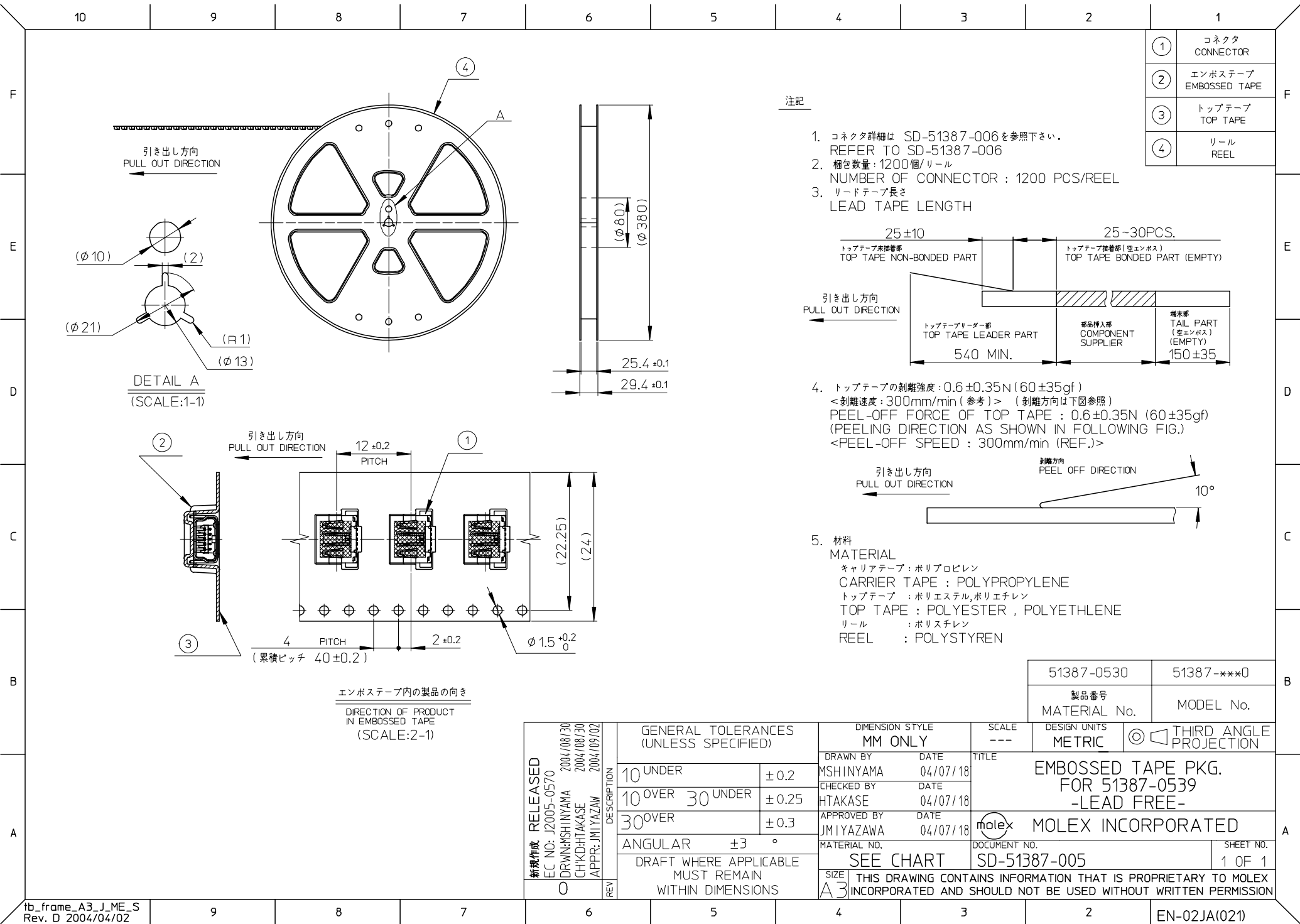
Material Info

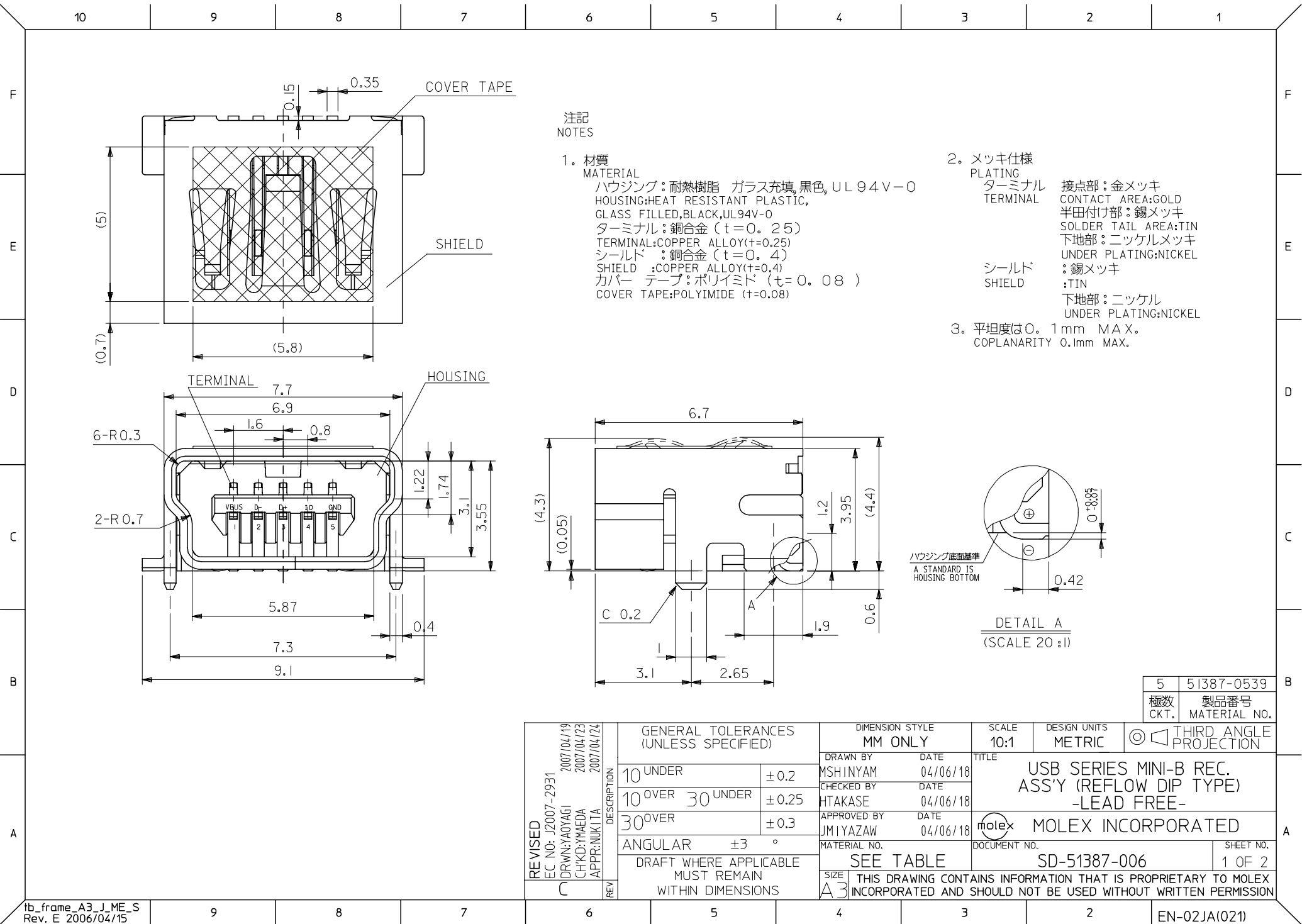
Reference - Drawing Numbers

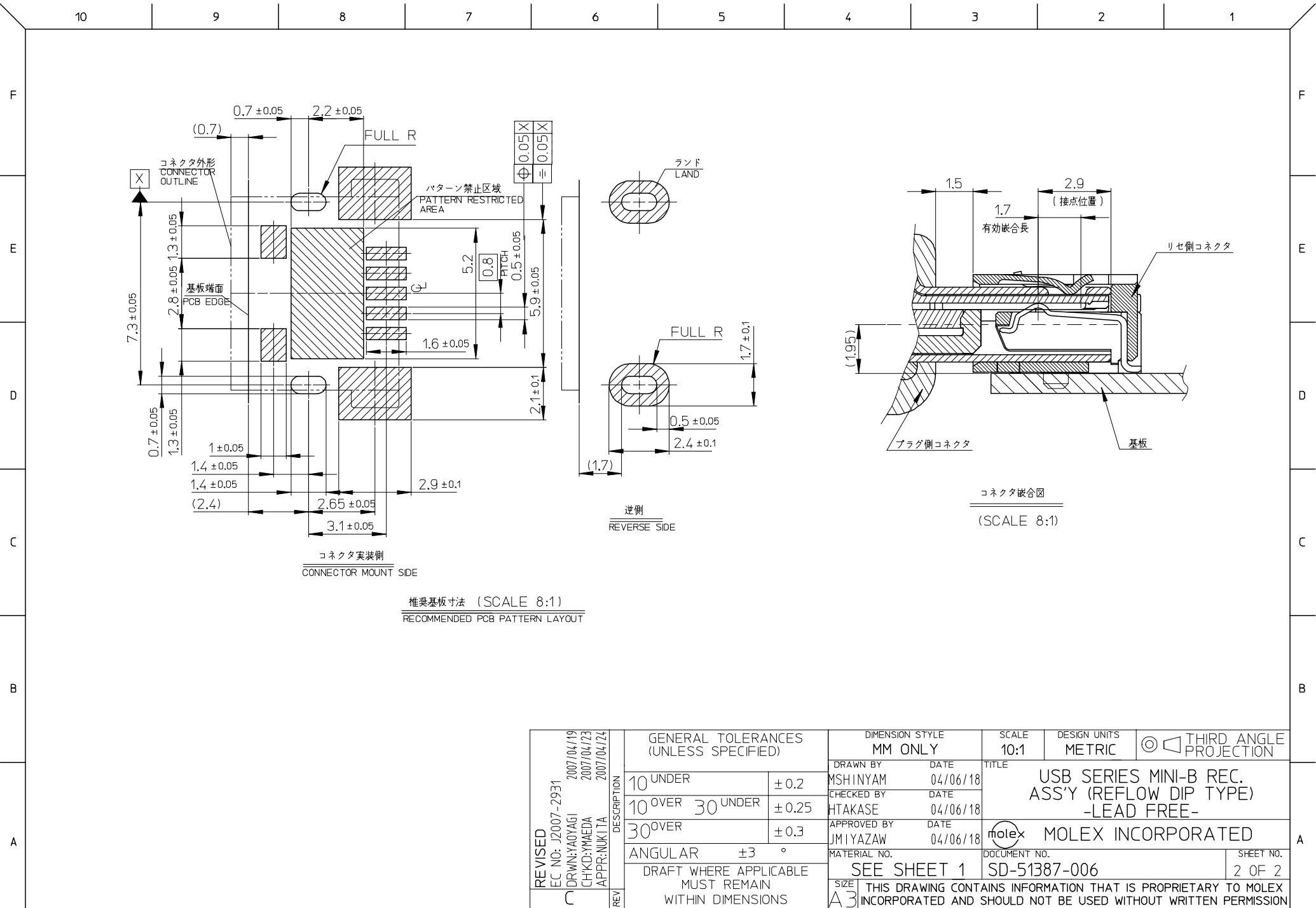
| | |
|-------------------------|--|
| Packaging Specification | SPK-51387-001 |
| Product Specification | PS-51387-003, RPS-51387-003, RPS-51387-005 |
| Sales Drawing | SD-51387-005, SD-51387-006 |

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|--|---|--|--------|-----------------------------|--|---|------------------------|---------------------------|--|
| REVISED EC NO: J2007-2931 DRWN: YAYAGI CHKD: YMAEDA APPR: NUKITA | DESCRIPTION 2007/04/19 2007/04/23 2007/04/24 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE 10:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | |
| | | 10 UNDER | ± 0.2 | DRAWN BY MSHINYAM | DATE 04/06/18 | TITLE USB SERIES MINI-B REC. ASS'Y (REFLOW DIP TYPE) -LEAD FREE- MOLEX INCORPORATED | | | |
| | | 10 OVER 30 UNDER | ± 0.25 | CHECKED BY HTAKASE | DATE 04/06/18 | | | | |
| | | 30 OVER | ± 0.3 | APPROVED BY JMIYAZAW | DATE 04/06/18 | | | | |
| | | ANGULAR ± 3 ° | | MATERIAL NO. SEE SHEET 1 | | DOCUMENT NO. SD-51387-006 | | SHEET NO. 2 OF 2 | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SIZE A3 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | |
| | | REV | | | | | | | |