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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

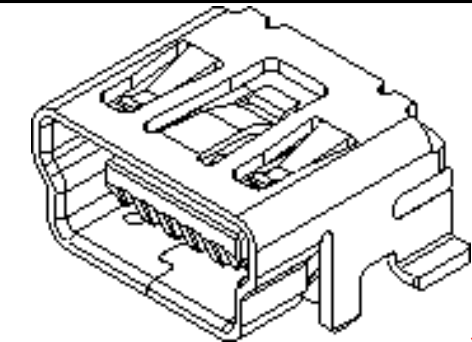


image - Reference only

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

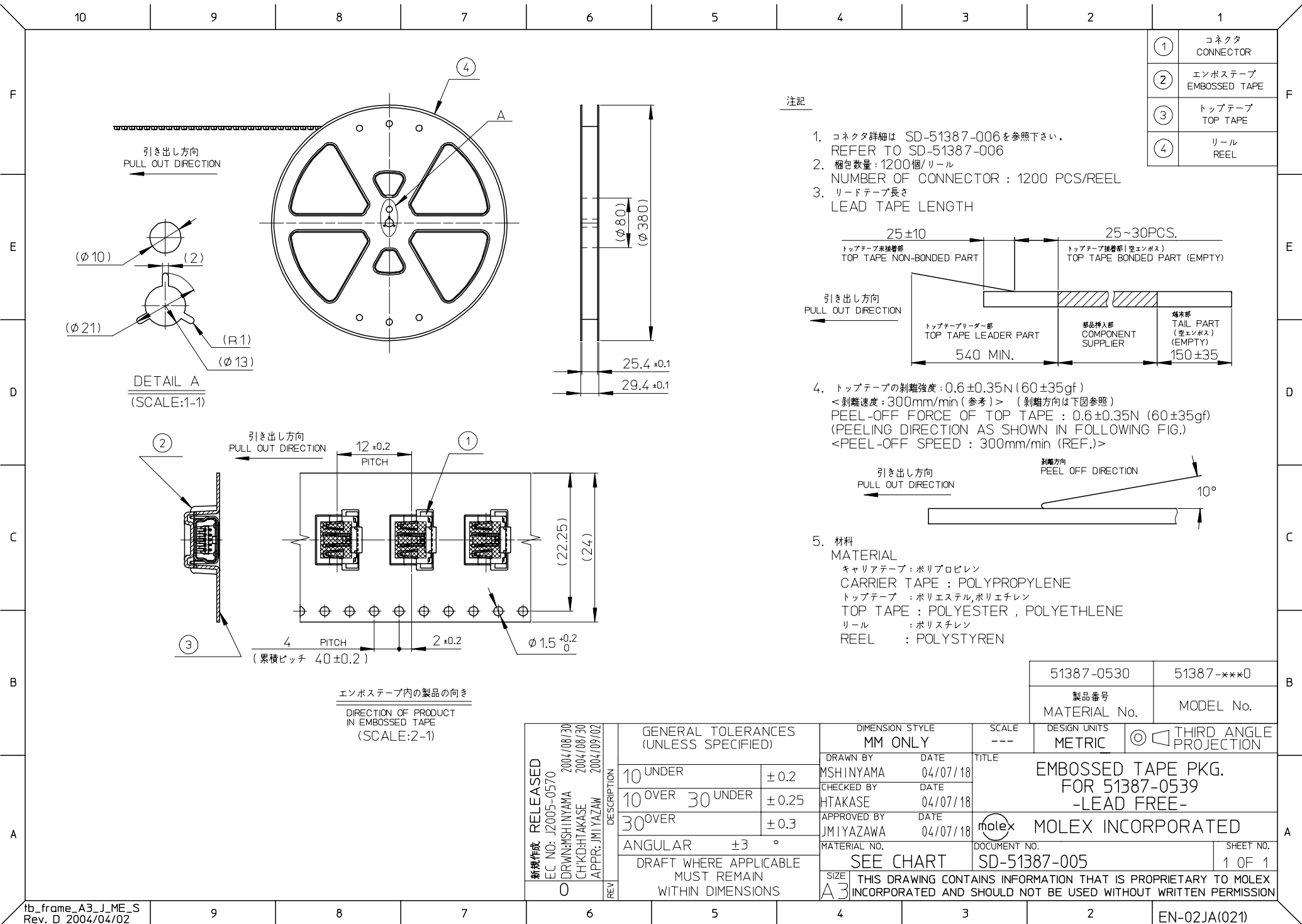
Material Info

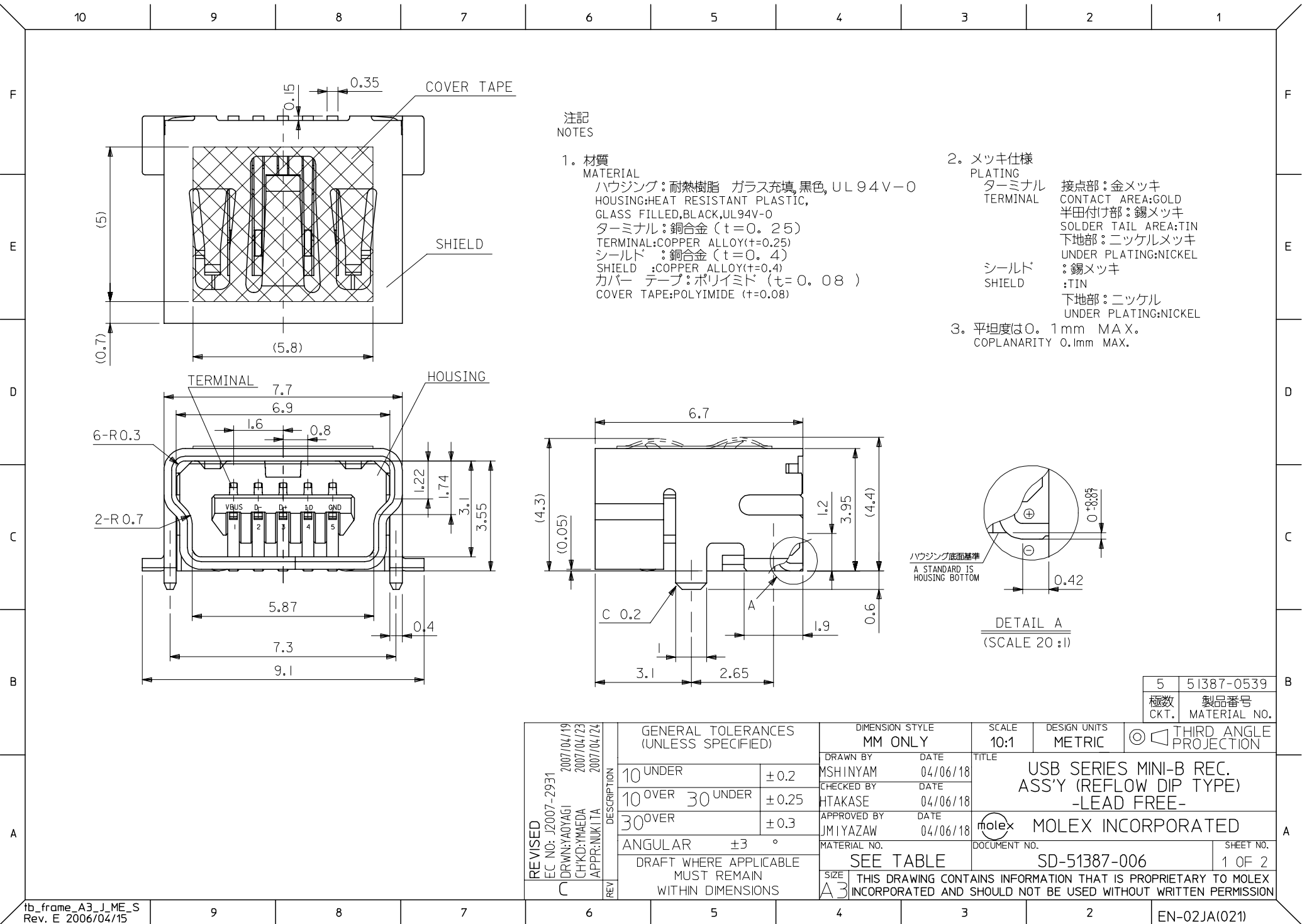
Reference - Drawing Numbers

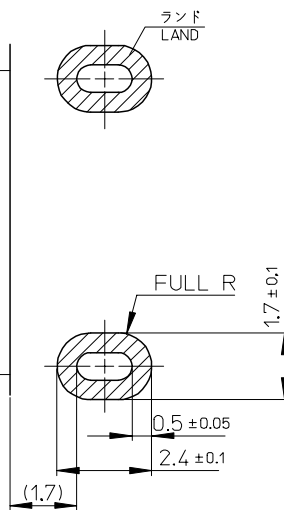
Packaging Specification	SPK-51387-001
Product Specification	PS-51387-003, RPS-51387-003, RPS-51387-005
Sales Drawing	SD-51387-005, SD-51387-006

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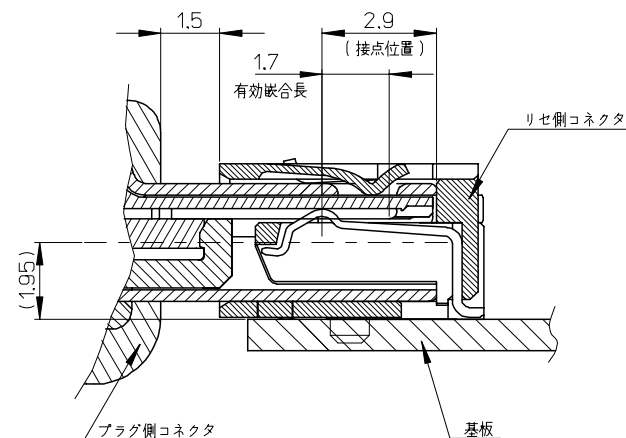






CONNECTOR MOUNT SIDE

RECOMMENDED PCB PATTERN LAYOUT



コネクタ嵌合図
(SCALE 8:1)

REVISED	EC NO: J2007-2931 DRAWN: YAOYAGI CHKD: YMAEDA APPR: NUKITA	2007/04/19 2007/04/23 2007/04/24	DESCRIPTION	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-			
				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.					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-51387-006		2 OF 2	
REV	C			SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							