

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0557633070](#)
Status: **Active**
Overview: [microclasp](#)
Description: 2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Header, Surface Mount, Dual Row, Vertical, Lead-free, 30 Circuits

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

[Product Specification PS-51242-002 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Headers
Series	55763
Application	Wire-to-Board
Overview	microclasp
Product Name	MicroClasp™

Physical

Breakaway	No
Circuits (Loaded)	30
Circuits (maximum)	30
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Number of Rows	2
Orientation	Vertical
PC Tail Length (in)	0.177 In
PC Tail Length (mm)	4.50 mm
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-25°C to +85°C
Termination Interface: Style	Surface Mount

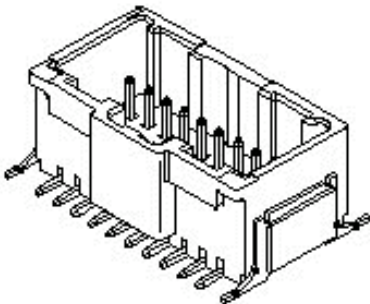
Electrical

Current - Maximum per Contact	3A
Voltage - Maximum	250V

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-55763-001
Product Specification	PS-51242-002, RPS-51242-004
Sales Drawing	SD-55763-006, SD-55763-007



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



**Need more information on product
environmental compliance?**

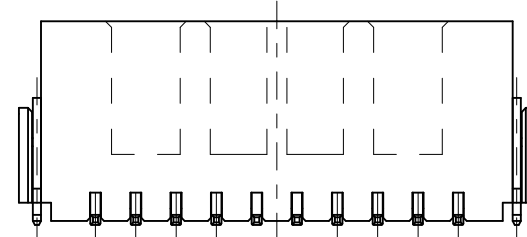
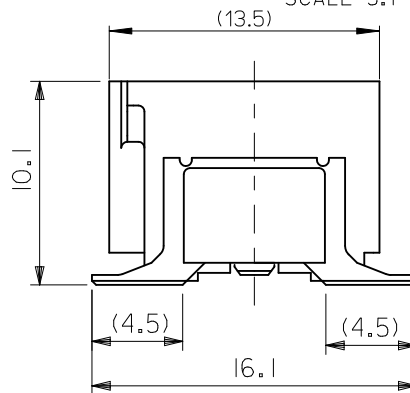
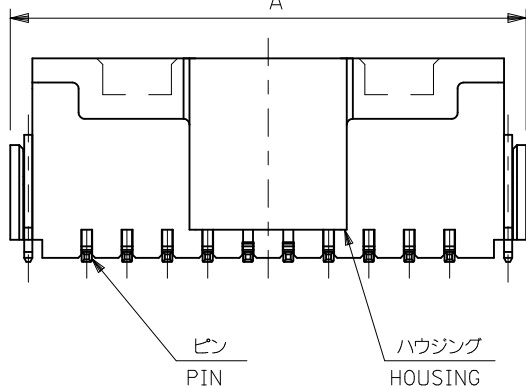
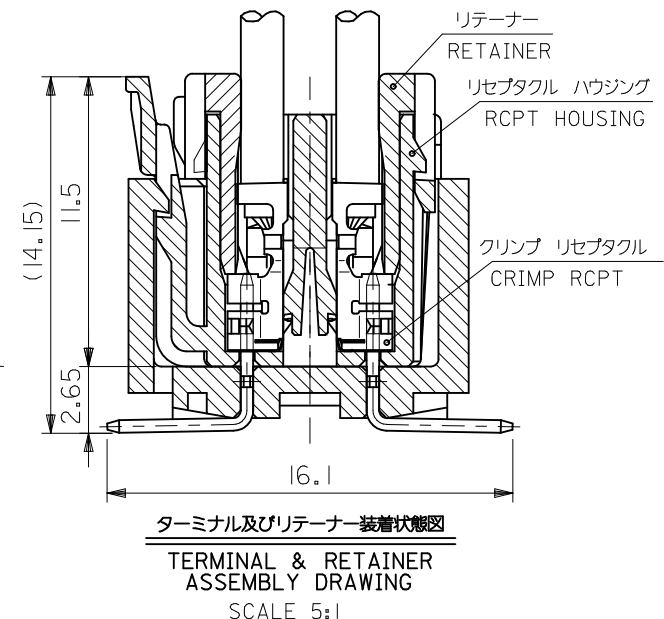
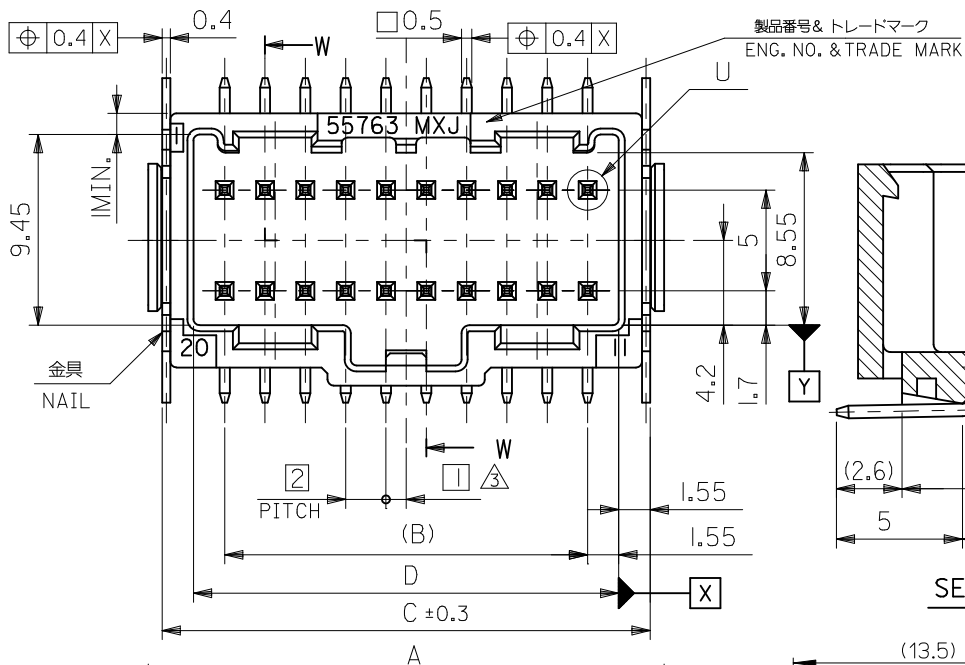
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

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

Search Parts in this Series
[55763Series](#)

Mates With
[51242](#) MicroClasp™ Wire-to-Board
Receptacle Housing

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REVISED

EC NO: J2010-2017

DRWN: NITO

CHKD: K. TOJO

APPR: NUKITA

2010/04/07

2010/04/09

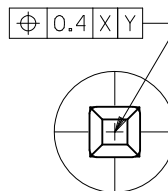
2010/04/12

REV

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
M. NAGATA	2004/02/10
CHECKED BY	DATE
K. TOJO	2004/02/10
APPROVED BY	DATE
M. SASAO	2004/02/10
MATERIAL NO.	
SEE CHART	
SIZE	
A3	

SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
TITLE		2.0MM W-T-O-B DUAL CONN PLUG HOUSING ASS'Y -LEAD FREE-	
MOLEX INCORPORATED		SD-55763-006	
DOCUMENT NO.		SHEET NO. 1 OF 2	



注記 NOTES

1. 使用材料 MATERIAL

ハウジング：ポリアミド、ガラス入り、UL94V-0、色：自然色（白）

HOUSING: PA46, UL94V-0, COLOR: NATURAL(WHITE)

ピン：黄銅（□0.5）

PIN: BRASS (□0.5)

金昱：黃銅 ($t=0.4$)

NAIL: BRASS ($\pm=0.4$)

2. メッキ仕様 PLATING

 PIN

錫 2.0マイクロメートル

TIN 2.0MICROMETER MINIMUM

下地ソックス：銅ソックス 1.03マイクロメートル

UNDER PLATING: COPPER 1.0 MICROMETER MINIMUM

金具 NAIL

錫 2.0マイクロメートル

TIN 2.0MICROMETER MINIMUM

下地ノツキ・ニツケルノツキ 1.0 マイクロメートル

UNDER PLATING: NICKEL MICROMETER MINIMUM

△3 (全極数/2)=偶数の場合に適用。
APPLY FOR (CIRCUIT/2)=EVEN

4 嵌合相手: 51242-**00

MATE WITH : 51242-**00

5. テール平坦度は、0.1以下

テール及び金具の平坦度は、0.1以下

TAIL COPLANARITY TO BE 0.1 MAXIMUM.

TAIL AND FITTING NAIL

COPLANARITY TO BE 0.1 MAXIMUM.

△6 製品番号

MATERIAL NO.

55763-**8*

極數 CIRCUIT SIZE

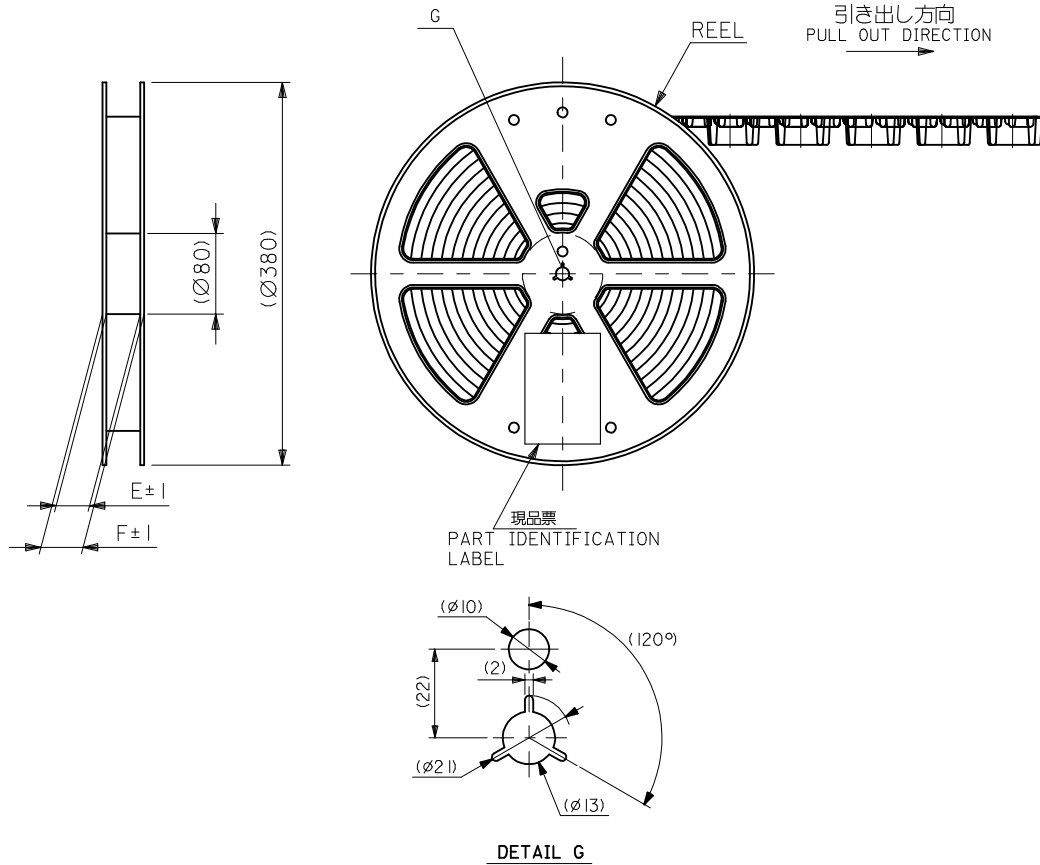
色 COLOR

R	ナチュラル (白) NATURAL (WHITE)	0
	赤 RED	2

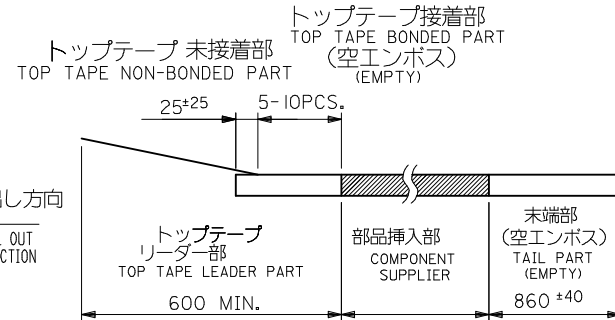
7. 本製品は 55763-*** の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 55763-***

REVISED EC NO: J2010-2017 DRAWN: T0 CHKD: T0 JO APPR: NUKITA	DESCRIPTION 2010/04/07 2010/04/09 2010/04/12	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	MODEL NO. SD-55763-006 THIRD ANGLE PROJECTION		
		10 UNDER	± ---	DRAWN BY DATE M. NAGATA 2004/02/10		TITLE 2.0MM W-TO-B DUAL CONN PLUG HOUSING ASS'Y -LEAD FREE-				
		10 OVER 30 UNDER	± ---	CHECKED BY DATE K. TOJO 2004/02/10						
		30 OVER	± ---	APPROVED BY DATE M. SASAO 2004/02/10		MOLEX MOLEX INCORPORATED				
		ANGULAR ± --- °		MATERIAL NO.						DOCUMENT NO.
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-55763-006		2 OF 2			
	REV	B			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

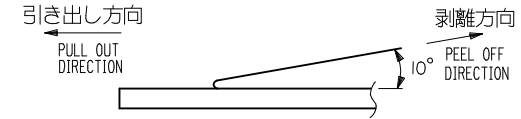
CONFIDENTIAL



- NOTES
- 梱包数量：300個／リール
NUMBER OF CONNECTORS : 300PCS/REEL
 - リードテープ長さ
LEAD TAPE LENGTH



3. トップテープの剥離強度：0.1N ～ 1.3N (10 ～ 130gf)
<剥離速度：300mm/min (参考)> (剥離方向は下図参照)
PEELING OFF FORCE OF TOP TAPE : 0.1N ～ 1.3N (10 ～ 130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
PEELING OFF SPEED : 300mm/min. (REF.)



4. 材料
- キャリアテープ：ポリプロピレン (PP)
 - トップテープ：PET、PE、PEF
 - リール：ポリスチレン (PS) <リサイクル材を含む>
- MATERIAL CARRIER TAPE : POLYPROPYLENE
TOP TAPE : PET, PE, PEF
REEL : POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>

5. 欠損無きこと。
THERE MUST NOT BE LOSS.

△ 製品番号
MATERIAL NO.

55763-***7*

極数 CIRCUIT SIZE

色 COLOR

ナチュラル (白) NATURAL (WHITE)	0
赤 RED	2

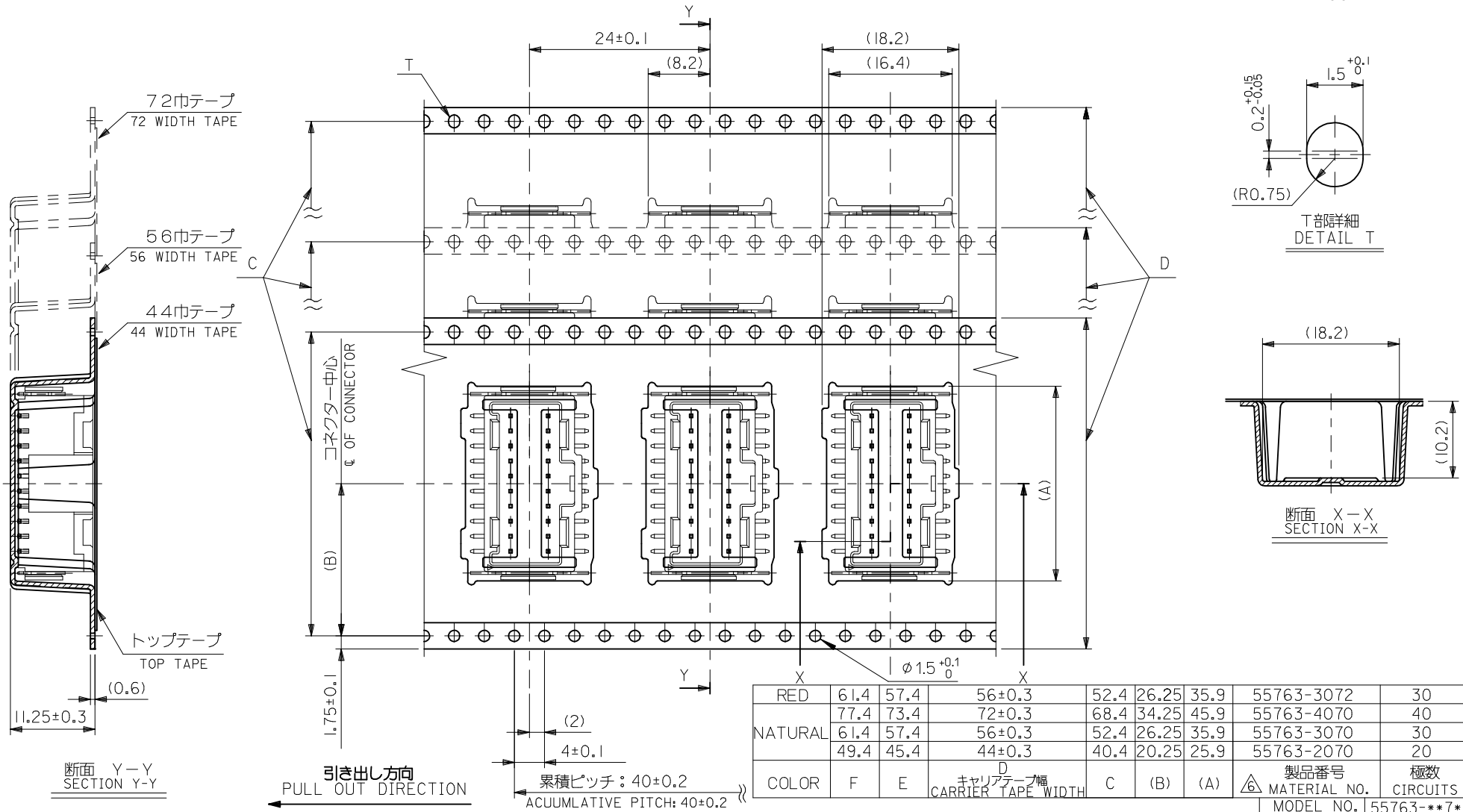
7. 本製品は 55763-***9* の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 55763-***9*.

MODEL NO. 55763-***7*

8. 本製品は乾燥剤入り、ハイバリア梱包仕様である。
開梱後の保管条件に注意して下さい。(PS-51242-002参照)
HIGH BARRIER PACKAGING INCLUDING DESICCANT.
NOTE THE CONDITION OF THE OPEN PACKAGE.
(REFER TO PS-51242-002)

REVISED	EC NO. J2009-2413	DRWN:TKN 2009/06/16	CHKD:MATSUMOTO 2009/06/16	APPR:NUKITA 2009/06/17	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
						10 UNDER	±0.2	DRAWN BY M. NAGATA	DATE 2004/02/10	TITLE 2.0MM W-T0-B DUAL CONN ASS'Y EMBSTP PKG -LEAD FREE- HIGH BARRIER			
						10 OVER 30 UNDER	±0.25	CHECKED BY K. TOJO	DATE 2004/02/10				
						30 OVER	±0.3	APPROVED BY M. SASAO	DATE 2004/02/10				
						ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO. SD-55763-007	SHEET NO. 1 OF 2		
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2					
						D	REV	A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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REVISED EC NO: J2009-2113 DRWN:TKON CHKD:HMATSUMOTO APPR:NUKITA REV D	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY		2:1	METRIC		
		10 UNDER	±0.2	DRAWN BY	DATE	TITLE		2.0MM W-TO-B DUAL CONN ASS'Y EMBSTP PKG -LEAD FREE-	
		10 OVER 30 UNDER	±0.25	CHECKED BY	DATE				
		30 OVER	±0.3	APPROVED BY	DATE	MOLEX INCORPORATED			
	ANGULAR ±3 °	MATERIAL NO.	DOCUMENT NO.		SHEET NO.				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-55763-007		2 OF 2		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									