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Part Number: 0522711479
Status: Active
Overview:
Description: 1.00mm (.039") Pitch FFC/FPC Connector, Right Angle, SMT, ZIF, Bottom Contact Style, 14 Circuits, Lead-free, High Barrier Packaging

Agency Certification

CSA LR19980
UL E29179

General

Product Family FFC/FPC Connectors
Series 52271
Overview ffc_fpc_smt
Product Name N/A

Physical

Circuits (Loaded) 14
Color - Resin Natural
Contact Position Bottom
Durability (mating cycles max) 30
Entry Angle 90° Angle
Flammability 94V-0
Mated Height (in) 0.118 In
Mated Height (mm) 3.00 mm
Material - Metal Phosphor Bronze
Material - Plating Mating Tin-Bismuth
Material - Plating Termination Tin-Bismuth
Material - Resin Nylon
Number of Rows 1
Orientation Right Angle
PCB Locator No
PCB Retention Yes
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface (in) 0.039 In
Pitch - Mating Interface (mm) 1.00 mm
Polarized to PCB Yes
Stackable No
Temperature Range - Operating -40°C to +85°C
Termination Interface: Style Surface Mount
Wire/Cable Type FFC/FPC

Electrical

Current - Maximum per Contact 0.5A
Voltage - Maximum 50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Application Specification AS-52271-001
Packaging Specification SPK-52271-001, SPK-52271-002
Product Specification PS-52271-053, RPS-52271-066, RPS-52271-067, RPS-52271-069, RPS-52271-070, RPS-52271-072, RPS-52271-073, RPS-52271-075, RPS-52271-080, RPS-52271-085, RPS-52271-087, RPS-52271-091
Sales Drawing SD-52271-036, SD-52271-037

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Halogen-Free

China RoHS



Need more information on product environmental compliance?

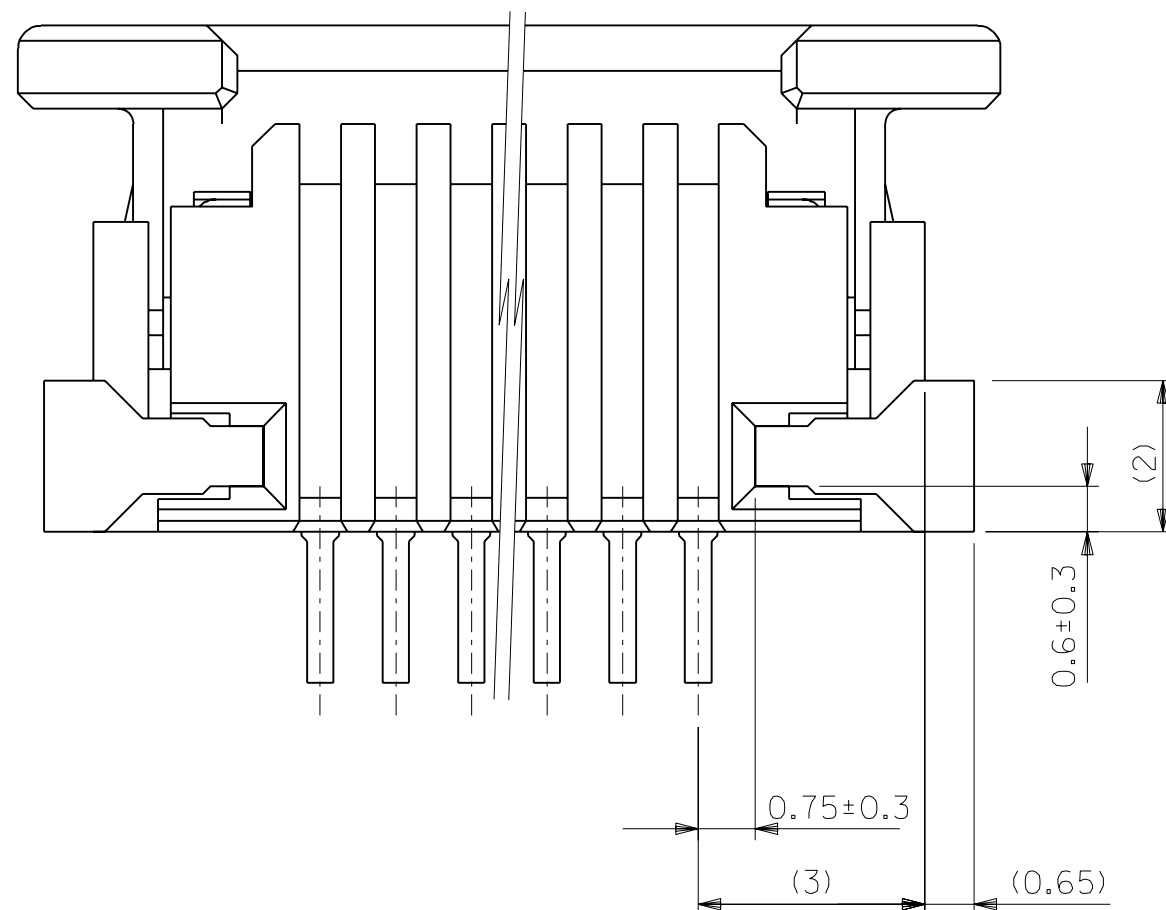
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

Search Parts in this Series
[52271Series](#)

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下面

注記 NOTES

- △ 接点部までの嵌合長さ。
LENGTH TO CONTACT POINT.
2. 使用材料 MATERIAL
- ハウジング : 46ナイロン, UL 94V-0
HOUSING : 46NYLON, UL94V-0
- アクチュエータ : PPS, UL 94V-0
ACTUATOR : PPS, UL94V-0
- ターミナル : リン青銅 (t=0.25)
TERMINAL : PHOS-BRO.(t=0.25)
- メッキ : 錫ビスマスメッキ 1. 0マイクロメートル以上
PLATING : TIN-BISMUTH 1.0 MICROMETER MINIMUM
: ニッケル下地 1. 0マイクロメートル以上
PLATING : NICKEL(UNDER PLATING) 1.0 MICROMETER MINIMUM
- 金具 : 銅合金 (t=0.25)
FITTING NAIL : COPPER ALLOY (t=0.25)
- メッキ : 錫メッキ 1. 0マイクロメートル以上
PLATING : TIN 1.0 MICROMETER MINIMUM
: ニッケル下地 1. 0マイクロメートル以上
PLATING : NICKEL(UNDER PLATING) 1.0 MICROMETER MINIMUM
- △ 3 パターンはくり止め用金具
FITTING NAIL FOR PREVENTION OF PEELING OF P.C.B.PATTERN.
4. エンボステープ梱包時は、アクチュエータがロックした状態とする。
WHEN CONNECTOR IS SHIPED, ACTUATOR SHOULD BE LOCKED.
- △ 5 FPC挿入深さ。
INSERTION DEPTH OF FPC
- △ 6 パターン書き込み禁止エリア。
NO FOOT PRINT AREA.
7. 本製品は52271-***17の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52271-***17.

FPCについて:

打抜き方向は導体側から補強板側を推奨致します。
補強フィルム材質はポリイミドを推奨致します。
接着剤は熱硬化接着剤を推奨致します。

ABOUT FPC:
RECOMMENDED PUNCHER DIRECTION :FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.
RECOMMENDED MATERIAL :
STIFFENER FILM : POLYIMIDE
BONDING AGENT : THERMOSETTING BONDING AGENT

						材料 MATERIAL	注記参照 SEE NOTES		 MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社
						仕上げ FINISH	注記参照 SEE NOTES		
						適用電線範囲 WIRE RANGE	— //		
						被覆外径 INS. RANGE	— //		
角度 ANGLE	±3°					適用電線範囲 WIRE RANGE	— //		TITLE 名称
30 以上 OVER	±0.3	B	変更 REVISED	(J2004-355I)	H.K. K.T.	04/04/02			I.O FPC CONN. Z.I.F. SMT
10 以上 30 未満 OVER UNDER	±0.25	A	変更 REVISED	(J2004-337I)	H.K. K.T.	04/03/25			(BOTTOM CONTACT)
10 未満 UNDER	±0.2	O	新規作成 RELEASED	(J2004-3059J)	H.K. K.T.	04/03/12			-LEAD FREE-
一般公差 GENERAL TOLERANCES		記号 LTR	変更内容 REVISION RECORD		DR. CHK	日付 DATE	DRAWN BY '04/03/12 H.KAWABATA CHK'D BY '04/03/12 K.TOJO APP'D BY '04/03/12 M.SASAO 尺度 SCALE — // —		DWG. NO. (SHEET 2 OF 2) SD-5227I-036 REV B

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SD-52271-036.S02

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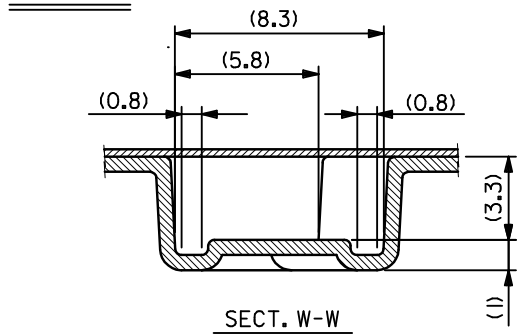
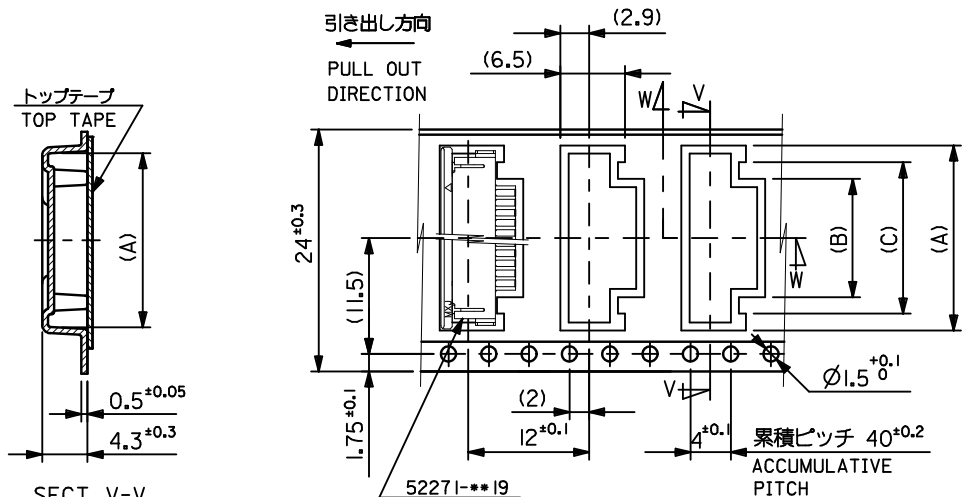
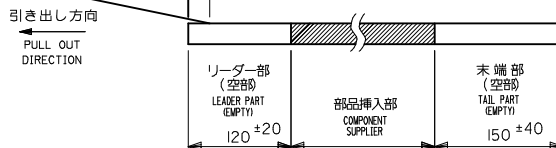
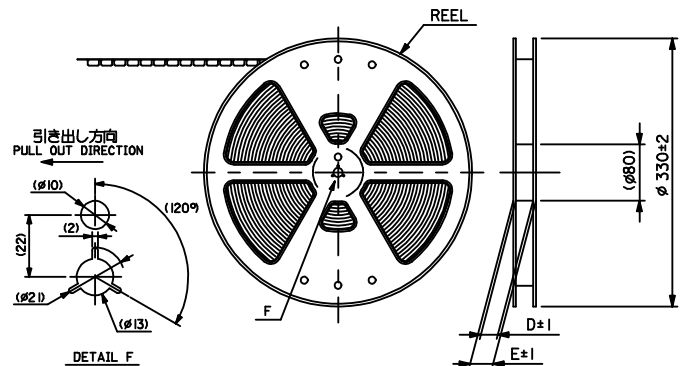
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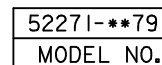
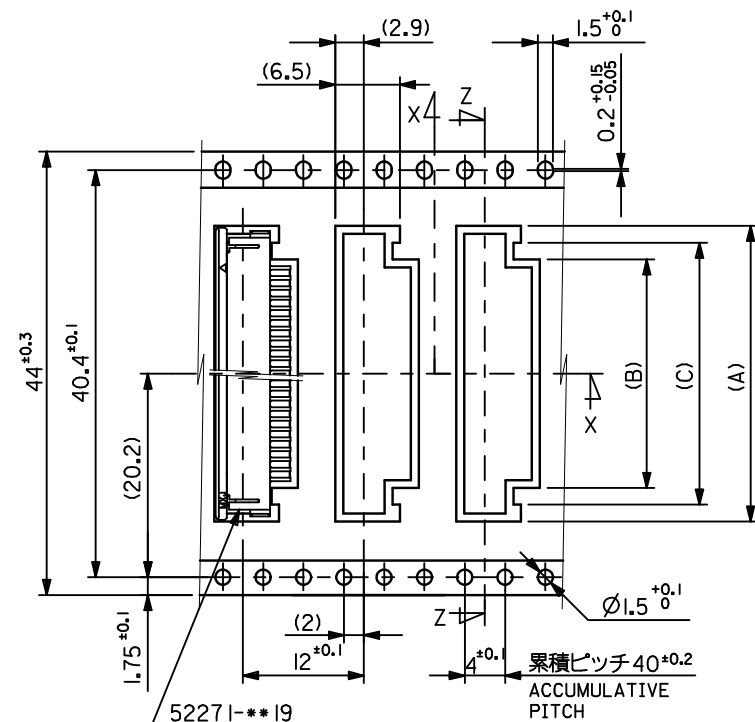
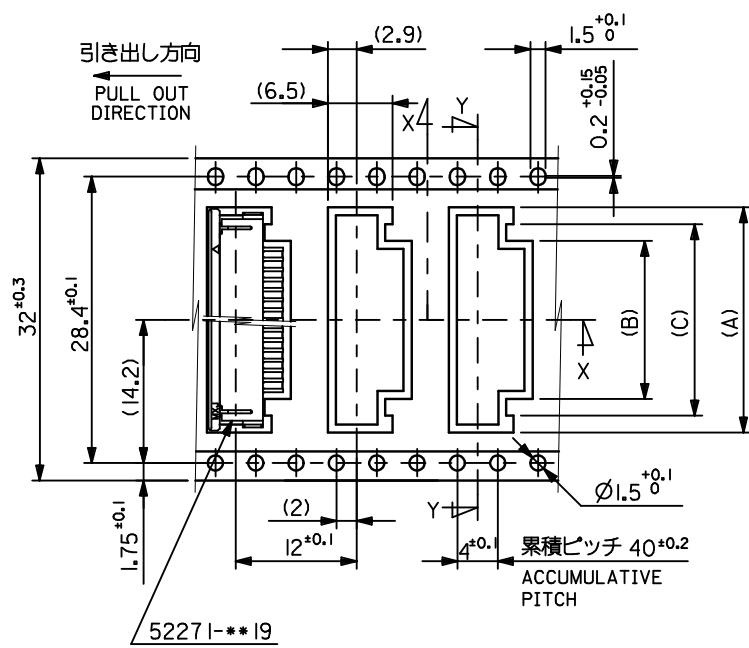
NOTES

- 製品番号 52271-**-19 の梱包状態はアクチュエータがロックした状態とする。
IN THE PACKAGE, ACTUATOR OF PART NO. 52271-**-19 SHOULD BE LOCKED
RE DETAILED DIMENSIONS, SEE SD-52271-036.
- 梱包数量: 1000個/リール
NUMBER OF CONNECTORS: 1000 PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH
トップテープ リーダー部 TOP TAPE LEADER PART
トップテープ 未接着部 TOP TAPE NON-BONDED PART
引き出し方向 PULL OUT DIRECTION
- トップテープの剥離強度: 0.1~1.3N {10~130gf} (剥離方向は下図参照)
尚、本規格値は、出荷時に適用。(但し、輸送時に剥離が発生しない事。)
PEELING OFF FORCE OF TOP TAPE: 0.1~1.3N {10~130gf}
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION
引き出し方向 PULL OUT DIRECTION
剥離方向 PEEL OFF DIRECTION
- 材料 (MATERIAL)
キャリアテープ (CARRIER TAPE): ポリプロピレン (POLYPROPYLENE)
トップテープ (TOP TAPE): PET, PE, PEF
リール (REEL): ポリスチレン (PS) <リサイクル材を含む>
POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>
- 本製品は52271-**-19の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52271-**-19.
- 本製品は乾燥剤入り、ハイバリア梱包仕様である。
THIS PRODUCT IS HIGH BARRIER PACKAGE WITH DESICCANT.



MODEL NO.	CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	箱数 CKT.
52271-**-19	24	29.4	25.4	15	11.4	18.3	52271-1179	11
				14	10.4	17.3	-1079	10
				13	9.4	16.3	-0979	9
				12	8.4	15.3	-0879	8
				11	7.4	14.3	-0779	7
				10	6.4	13.3	-0679	6
				9	5.4	12.3	-0579	5
				8	4.4	11.3	52271-0479	4

REVISED	EC NO.	DATE	DRWN	CHKD	APPR	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	TITLE	DOCUMENT NO.	SHEET NO.
A	J2009-2061	2009/05/20	TKN	HMATSUMOTO	NUKITA	2009/05/21	10 UNDER ±0.2 10 OVER 30 UNDER ±0.25 30 OVER ±0.3 ANGULAR ±3° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MM ONLY	---	METRIC	☉	EMBOSSED TAPE PACKAGE FOR 52271-**-19 -LEAD FREE-	SD-52271-037	1 OF 3



REV	DESCRIPTION
2009/05/21	APPR: NUKITA
2009/05/21	CHK'D: HMAI SUMOTO
2009/05/20	DRWN: TKON
EC NO: J2009-2061	
REVISED	

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
H. KAWABATA	2004/03/12
CHECKED BY	DATE
K. TOJO	2004/03/12
APPROVED BY	DATE
M. SASAO	2004/03/12
MATERIAL NO.	
SEE TABLE	
SIZE	THIS DRAWING CONTAINS INCORPORATED AND
A	

SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE EMBOSSED TAPE PACKAGE FOR 52271-**19 -LEAD FREE-		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-52271-037		SHEET NO. 2 OF 3
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10 9 8 7 6 5 4 3 2 1

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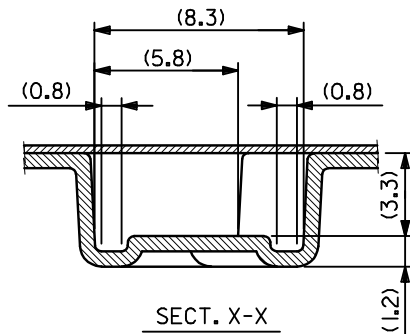
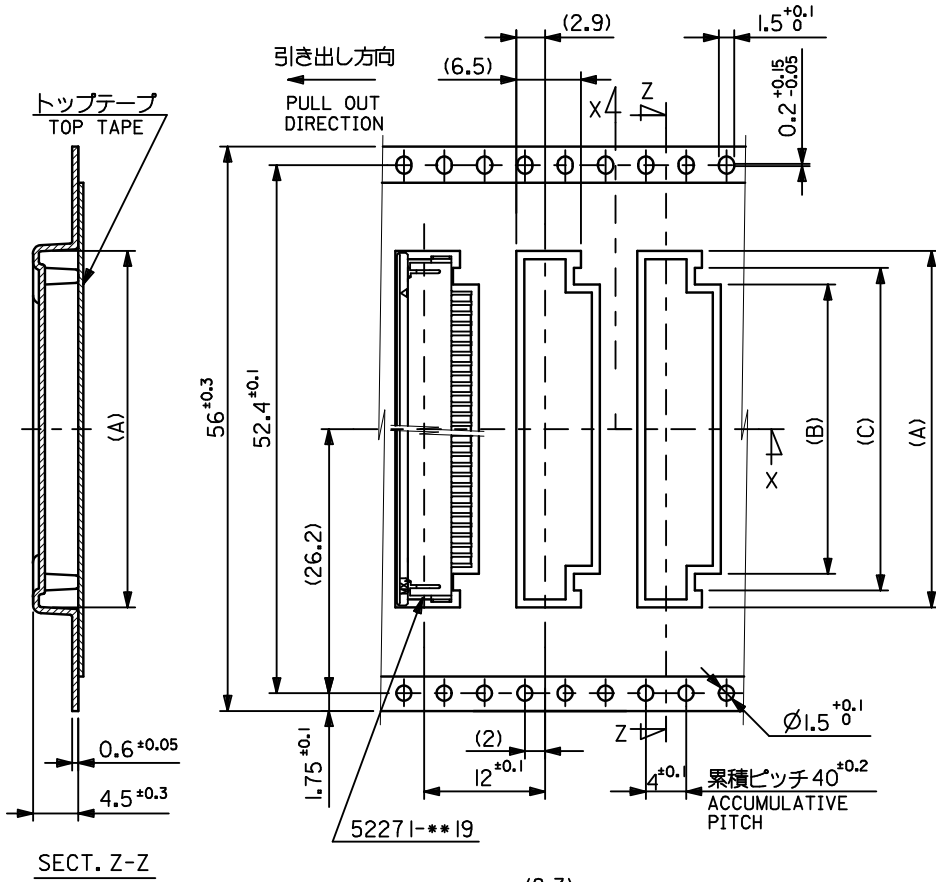
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56	61.4	57.4	34	30.4	37.35	52271-3079	30
			33	29.4	36.35	52271-2979	29
			32	28.4	35.35	52271-2879	28
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	標 数 CKT.

tb_frame_A3_J_ME_S
Rev. E 2006/04/15

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EN-02JA(021)

REVISED
EC NO.: J2009-2061
2009/05/20
DRWN:TKN
CH'KD:HMATSUMOTO
2009/05/21
APPR:NUKITA
2009/05/21

DESCRIPTION
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
H.KAWABATA	2004/03/12
CHECKED BY	DATE
K.TOJO	2004/03/12
APPROVED BY	DATE
M.SASAO	2004/03/12

MATERIAL NO.

SEE TABLE

SIZE
A3

SCALE

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

EMBOSSSED TAPE PAKEGE
FOR 52271-**19
-LEAD FREE-

MOLEX INCORPORATED

DOCUMENT NO.

SD-52271-037

SHEET NO.

3 OF 3

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