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Part Number:

0522713079

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, Right Angle, SMT, ZIF, Bottom Contact Style, 30 Circuits, Lead-free, High Barrier Packaging

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

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)	30
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-52271-068, 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

This document was generated on 06/04/2010

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DWG. NO. SD-52271-036

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1:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

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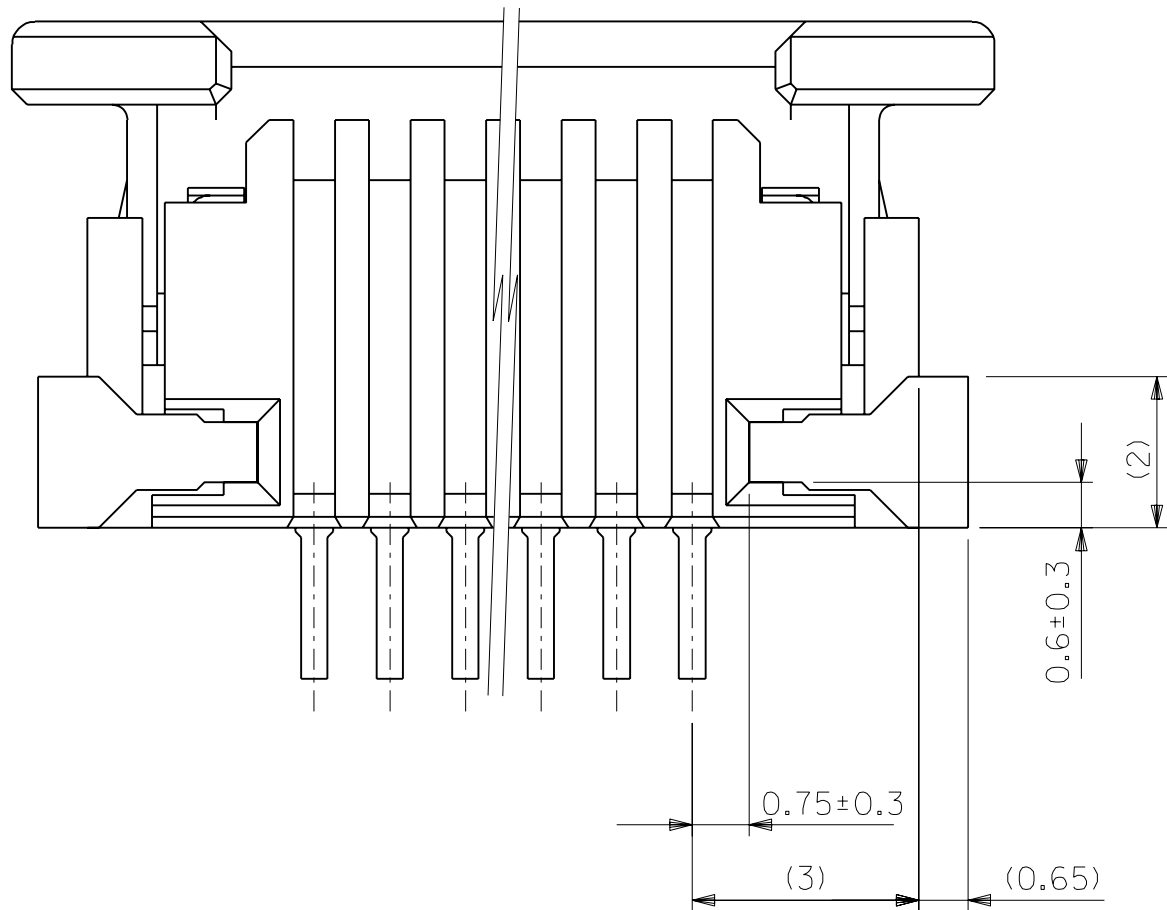
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注記 NOTES

- ① 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, UL94V-0
HOUSING : 46NYLON, UL94V-0
アクチュエータ : PPS, UL94V-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. エンボステーブル梱包時は、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

				MODEL NO.		52271-**-19	
				材料 MATERIAL		MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
				仕上げ FINISH		REVISE ONLY ON CAD SYSTEM	
				適用電線範囲 WIRE RANGE		TITLE 名称 1.0 FPC CONN. Z.I.F. SMT (BOTTON CONTACT) -LEAD FREE-	
				被覆外径 INS. RANGE		DWG. NO. (SHEET 2 OF 2) REV B	
				DRAWN BY '04/03/12 H.KAWABATA		SD-52271-036	
				CHK'D BY '04/03/12 K.TOJO			
				APP'D BY '04/03/12 M.SASAO			
				尺 度 SCALE			

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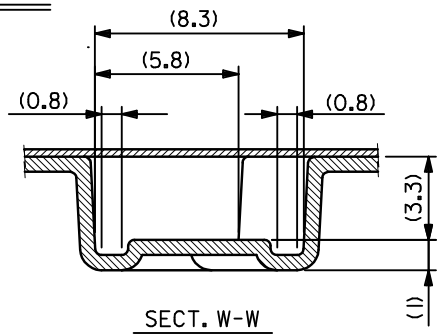
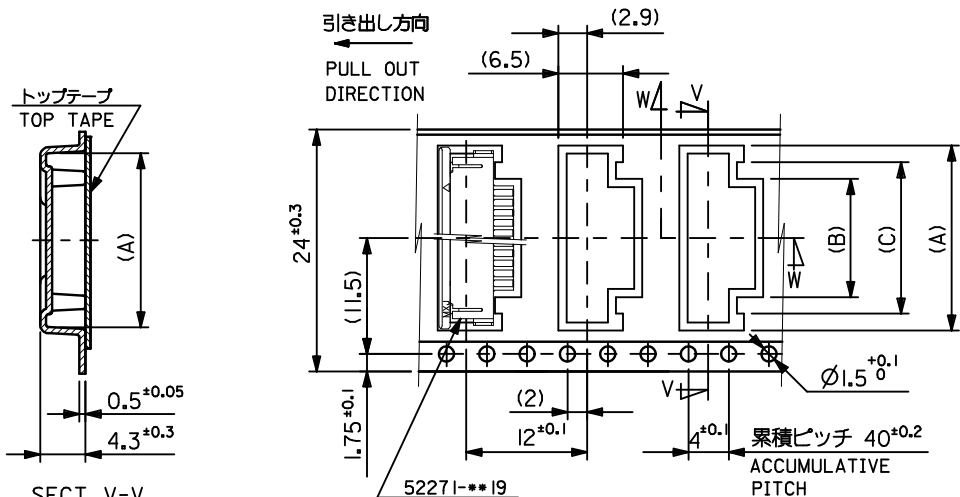
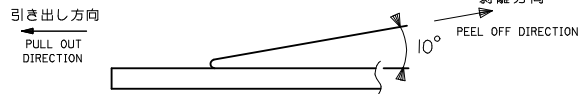
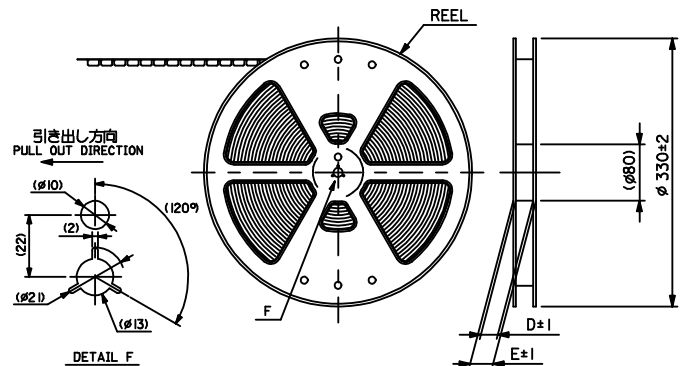
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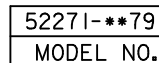
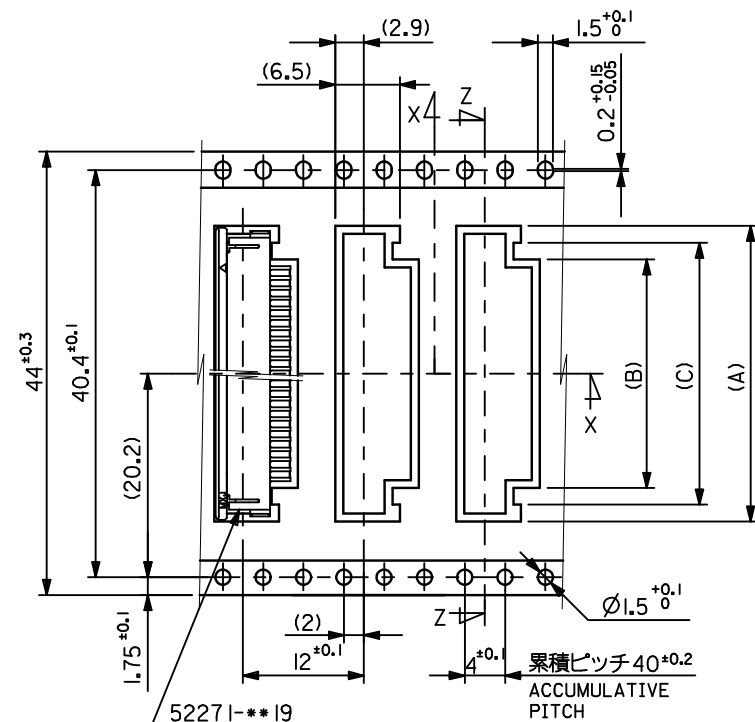
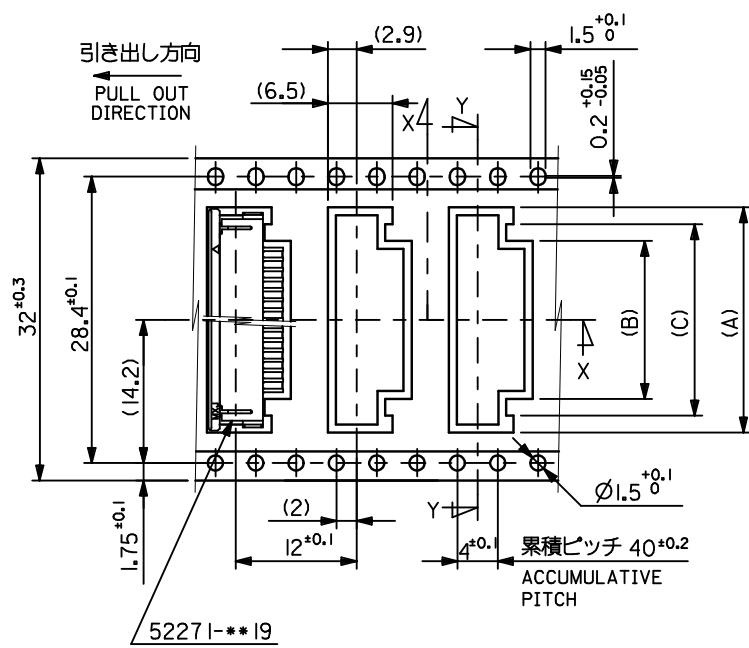
NOTES

- 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。
詳細寸法については 図面 SD-52271-036 を参照下さい。
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 175 ±25
トップテープ 未接着部 TOP TAPE NON-BONDED PART 25 ±5
- 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
- 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-**-90.
- 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.



52271-**-19	MODEL NO.	CARRIER TAPE WIDTH	E	D	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		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO. J2009-2061		10 UNDER		MM ONLY		---		METRIC		◎ □	
DRWN:TKN		10 OVER 30 UNDER		DRAWN BY		DATE		TITLE		EMBOSSED TAPE PACKAGE	
CHKD:HATSUMOTO		30 OVER		CHECKED BY		DATE		MOLEX INCORPORATED		FOR 52271-**-19	
APPR:NUKITA		ANGULAR		APPROVED BY		DATE		SD-52271-037		-LEAD FREE-	
REV		DRAFT WHERE APPLICABLE		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		1 OF 3	
A		MUST REMAIN WITHIN DIMENSIONS		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



キャリアテープ幅
CARRIER TAPE WIDTH
tb_frame_A3_J_ME_Rev. E 2006/04/15

DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
DRAWN BY H. KAWABATA	DATE 2004/03/12	TITLE EMBOSSED TAPE PACKAGE FOR 52271-**19 -LEAD FREE-		
CHECKED BY K. TOJO	DATE 2004/03/12			
APPROVED BY M. SASAO	DATE 2004/03/12			
MATERIAL NO.				
SEE TABLE		DOCUMENT NO.	SHEET NO.	
		SD-52271-037		2 OF 3
SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

F

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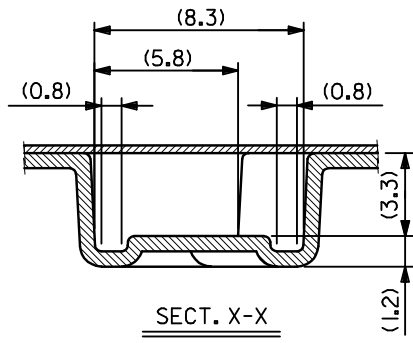
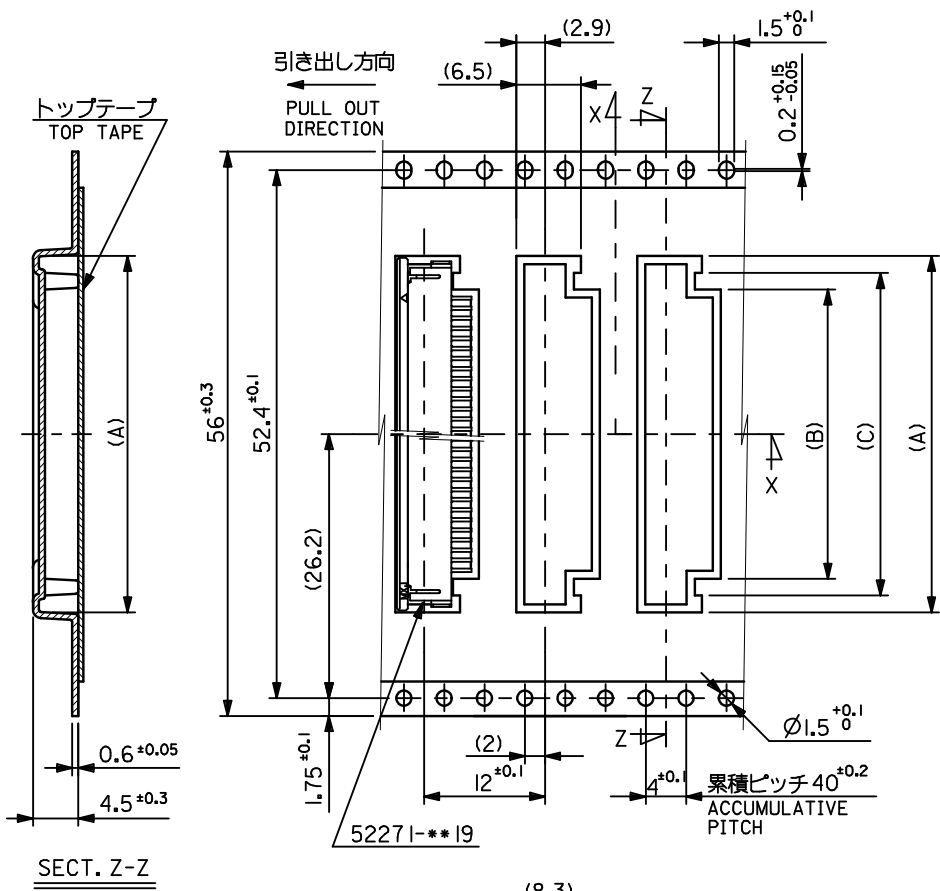
E

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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.

REVISED		EC NO: J2009-2061		2009/05/20		2009/05/21		2009/05/21		2009/05/21	
DRWN:TKN		CHKD:HMATSUMOTO		APPR:NUKITA		2009/05/21		2009/05/21		2009/05/21	
DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
10 UNDER		±0.2		DRAWN BY H.KAWABATA		DATE 2004/03/12		TITLE EMBOSSD TAPE PAKEGE FOR 52271-**-19 -LEAD FREE-		MODEL NO. 52271-**-79	
10 OVER 30 UNDER		±0.25		CHECKED BY K.TOJO		DATE 2004/03/12		MOLEX INCORPORATED		SHEET NO. 3 OF 3	
30 OVER		±0.3		APPROVED BY M.SASAO		DATE 2004/03/12		DOCUMENT NO. SD-52271-037		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
ANGULAR		±3°		MATERIAL NO.		SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
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		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	