

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

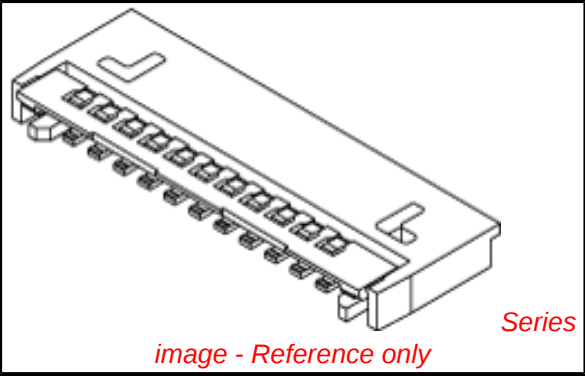
5016283791

Status:

Active

Description:

0.30mm (.012") Pitch Easy-On™ Type FPC Connector, 0.90mm (.035") Mated Height, Right Angle, SMT, Bottom Contact Style, 37 Circuits, Lead-free



Documents:	
3D Model	Product Specification PS-501628-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

General	
Product Family	FFC/FPC Connectors
Series	501628
Comments	FPC with tabs
Product Name	Easy-On™
Physical	
Circuits (Loaded)	37
Contact Position	Bottom
Durability (mating cycles max)	10
Entry Angle	90° Angle
Mated Height (in)	0.035 In
Mated Height (mm)	0.90 mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Number of Rows	1
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.012 In
Pitch - Mating Interface (mm)	0.30 mm
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-25°C to +85°C
Termination Interface: Style	Surface Mount
Wire/Cable Type	FPC only
Electrical	
Current - Maximum per Contact	0.2A
Voltage - Maximum	50V
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-501628-001, RPS-501628-004
Sales Drawing	SD-501628-001, SD-501628-003

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

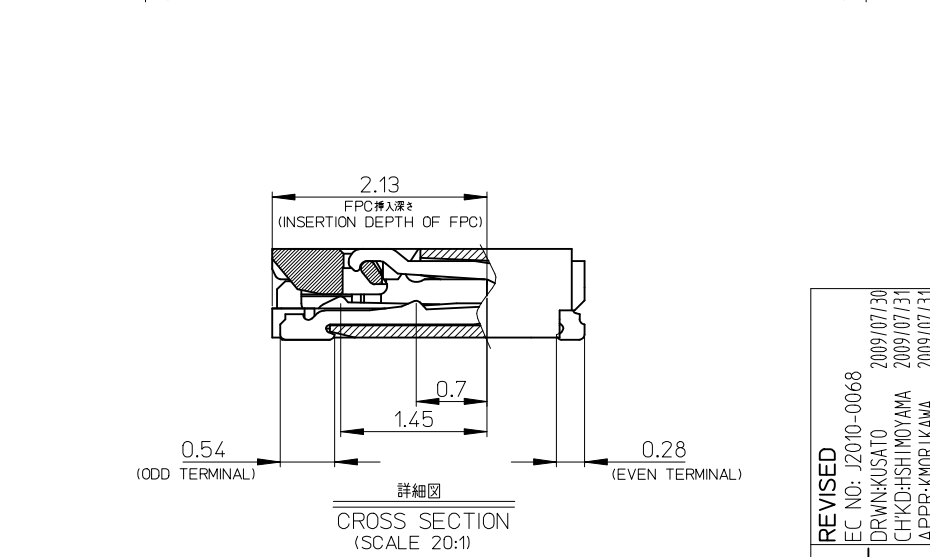
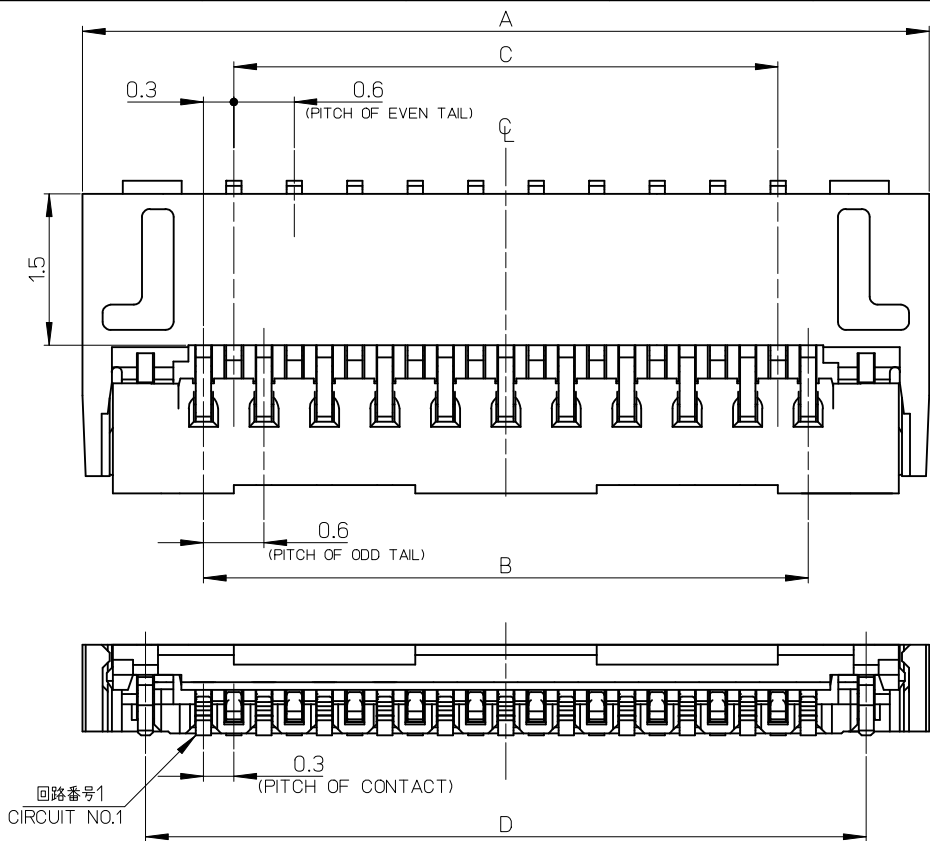
For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

Search Parts in this Series

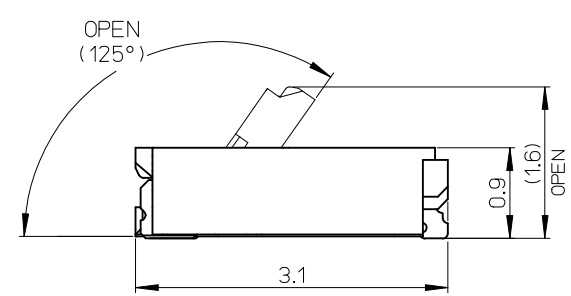
501628Series

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



注記
NOTES:
1.材質
MATERIAL
ハウジング:LCP(液晶ポリマー)、ガラス充填、UL94V-0
HOUSING:LCP(LIQUID CRYSTAL POLYMER),
GLASS FILLED,UL94V-0
アクチュエータ:ナイロン、ガラス充填、UL94V-0
ACTUATOR:NYLON(POLYAMIDE),
GLASS FILLED,UL94V-0
ターミナル:銅合金(t=0.15)
TERMINAL:COPPER ALLOY(t=0.15)
金具:銅合金(t=0.15)
NAIL:COPPER ALLOY(t=0.15)

2.めっき仕様
PLATING
ターミナル
TERMINAL
部分金めっき
SEPARATED GOLD PLATING
下地ニッケルめっき
UNDER PLATING:NICKEL PLATING
金具
NAIL
銅めっき
TIN PLATING
下地ニッケルめっき
UNDER PLATING:NICKEL PLATING
3.平坦度は、0.1ミリ以下とする。
TAILS COPLANARITY TO BE 0.1 MAXIMUM.
4.ELV及びRoHS適合品
ELV AND RoHS COMPLIANT



0.10	16.15	14.4	15	17.4	501628-5191	51
0.089	14.35	12.6	13.2	15.6	501628-4591	45
0.078	12.55	10.8	11.4	13.8	501628-3991	39
0.075	11.95	10.2	10.8	13.2	501628-3791	37
0.071	11.35	9.6	10.2	12.6	501628-3591	35
0.067	10.75	9.0	9.6	12.0	501628-3391	33
0.064	10.15	8.4	9	11.4	501628-3191	31
0.056	8.95	7.2	7.8	10.2	501628-2791	27
0.046	7.15	5.4	6	8.4	501628-2191	21
0.028	4.15	2.4	3	5.4	501628-1191	11
重さ (g) WEIGHT(g)	D	C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER No.	極数 CIRCUITS

REVISED
EC NO: J2010-0068
2009/07/30
DRWKUSATO
2009/07/31
CHKD:SHIMOYAMA
2009/07/31
APPR:KMORIKAWA
2009/07/31

DESCRIPTION
10 UNDER ±0.2
10 OVER 30 UNDER ±0.25
30 OVER ±0.3
ANGULAR ±1 °
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

REV

GENERAL TOLERANCES
(UNLESS SPECIFIED)

10 UNDER ±0.2
10 OVER 30 UNDER ±0.25
30 OVER ±0.3
ANGULAR ±1 °
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

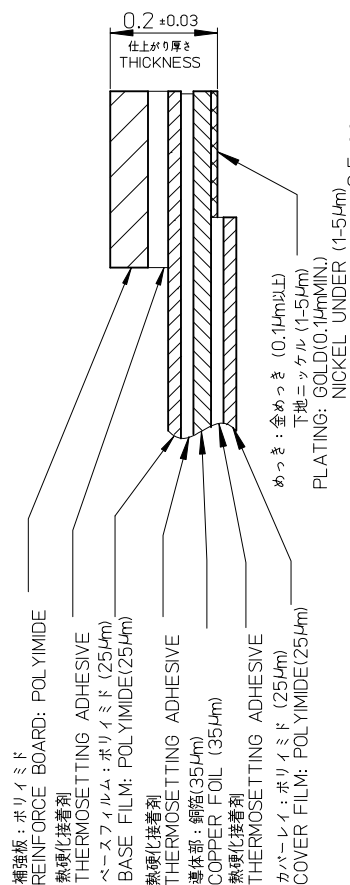
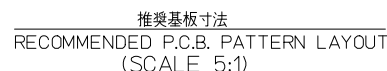
DRAWN BY
HSHIMOYAMA
2005/03/25
CHECKED BY
HHIRATA
2005/03/25
APPROVED BY
MSASAO
2005/03/25
MATERIAL NO.
SEE TABLE
SIZE
A3

SCALE
40:1

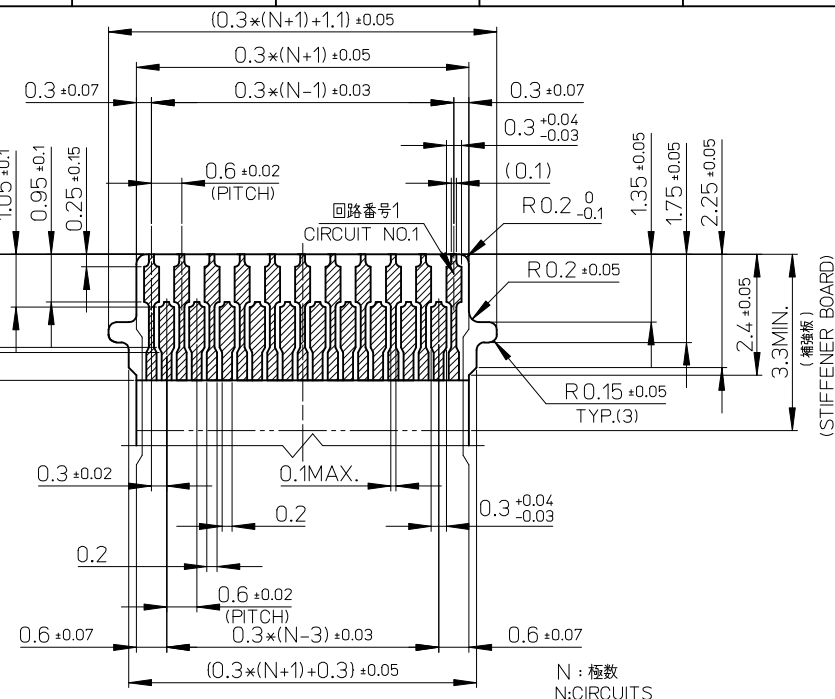
DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

TITLE
0.3 FPC CONN. (H=0.9)
HS'G ASSY BOTTOM CONTACT
NICKEL BARRIER
MOLEX INCORPORATED
DOCUMENT NO.
SD-501628-001
SHEET NO.
1 OF 2



FPC構成推奨仕様
STRUCTURE OF FPC



PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON THE CONTACT AREA BECAUSE THE EXTRA ADHESIVE MAY CAUSE THE DEFECT IN ELECTRICAL CONTINUITY.

tb_frame_A3_J_ME_S
Rev. D 2004/04/02

10

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8

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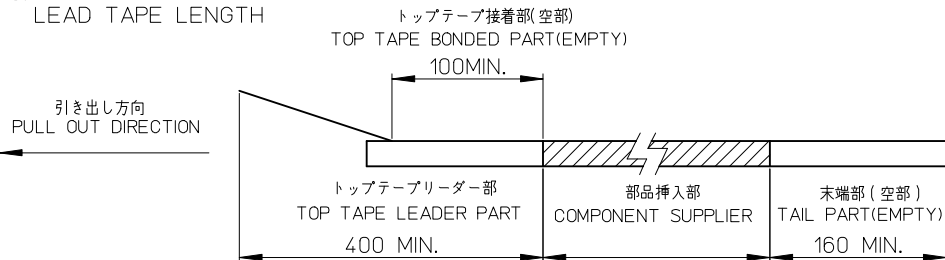
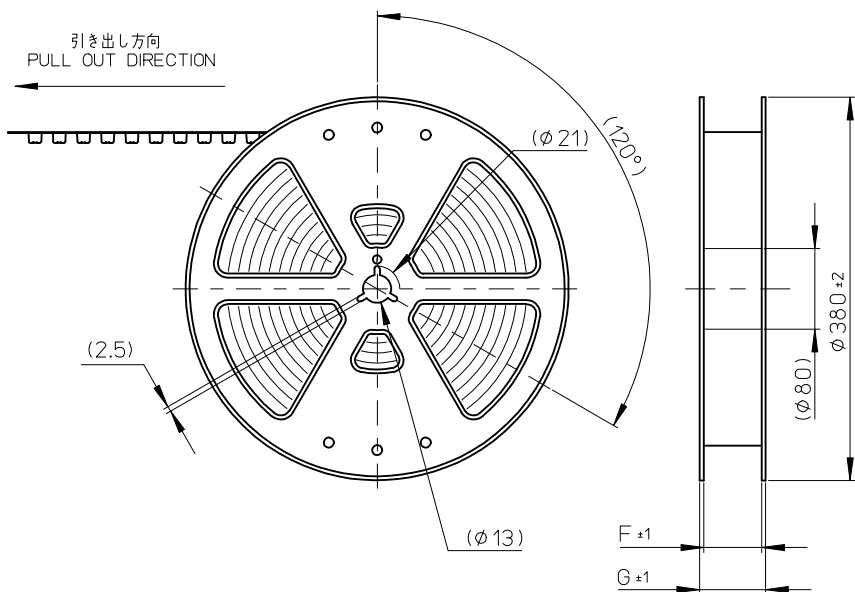
3

2

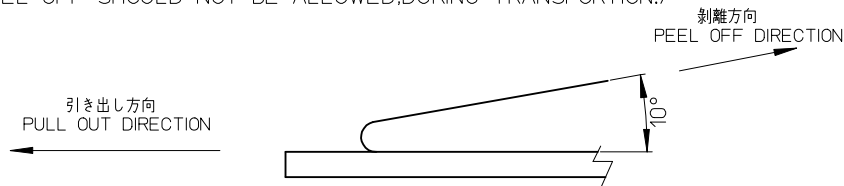
1

注記)
NOTES

- 製品番号501628-**11の詳細寸法は、製品単体図面を参照下さい。
IN THE PACKAGE PART NUMBER 501628-**11 DETAIL DIMENSIONS,
SEE SALES DRAWING FOR CONNECTOR.
- 梱包数量: 3000個/リール
NUMBER OF CONNECTORS : 3000 PCS/REEL
- リードテープ長さ
LEAD TAPE LENGTH



- トップテープの剥離強度 (剥離方向は下図参照)
PEELING OFF FORCE OF TOP TAPE (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)
0.1-1.3N (10-130gf)
尚、本規格値は出荷時に適用。
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
(但し、輸送時に剥離が発生しないこと)
(PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTION.)



- 材料
MATERIAL
キャリアテープ: ポリスチレン (PS)
CARRIER TAPE: POLYSTYRENE (PS)
トップテープ: PET、PE、PEF
TOP TAPE : PET、PE、PEF
リール: ポリスチレン
REEL: POLYSTYLENE

- ELV及びRoHS適合品
ELV AND RoHS COMPLIANT

REVISED EC NO: J2010-0068 DRAWN: KUSATO CHKD: HSHIMOMYAMA APPR: KMORI KAWA 2009/07/30 2009/07/31 2009/07/31	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	DRAWN BY HSHIMOMYAMA	DATE 2005/08/22	TITLE 0.3 FPC CONN.(FOR 501628 -**11) TAPING PACKAGE NICKEL BARRIER				
		10 OVER 30 UNDER	± ---	CHECKED BY HHIRATA	DATE 2005/08/22					
		30 OVER	± ---	APPROVED BY MSASAO	DATE 2005/08/22					
		ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501628-003		1 OF 2			
	REV			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

9

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7

6

5

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3

2

F

E

D

C

B

A

F

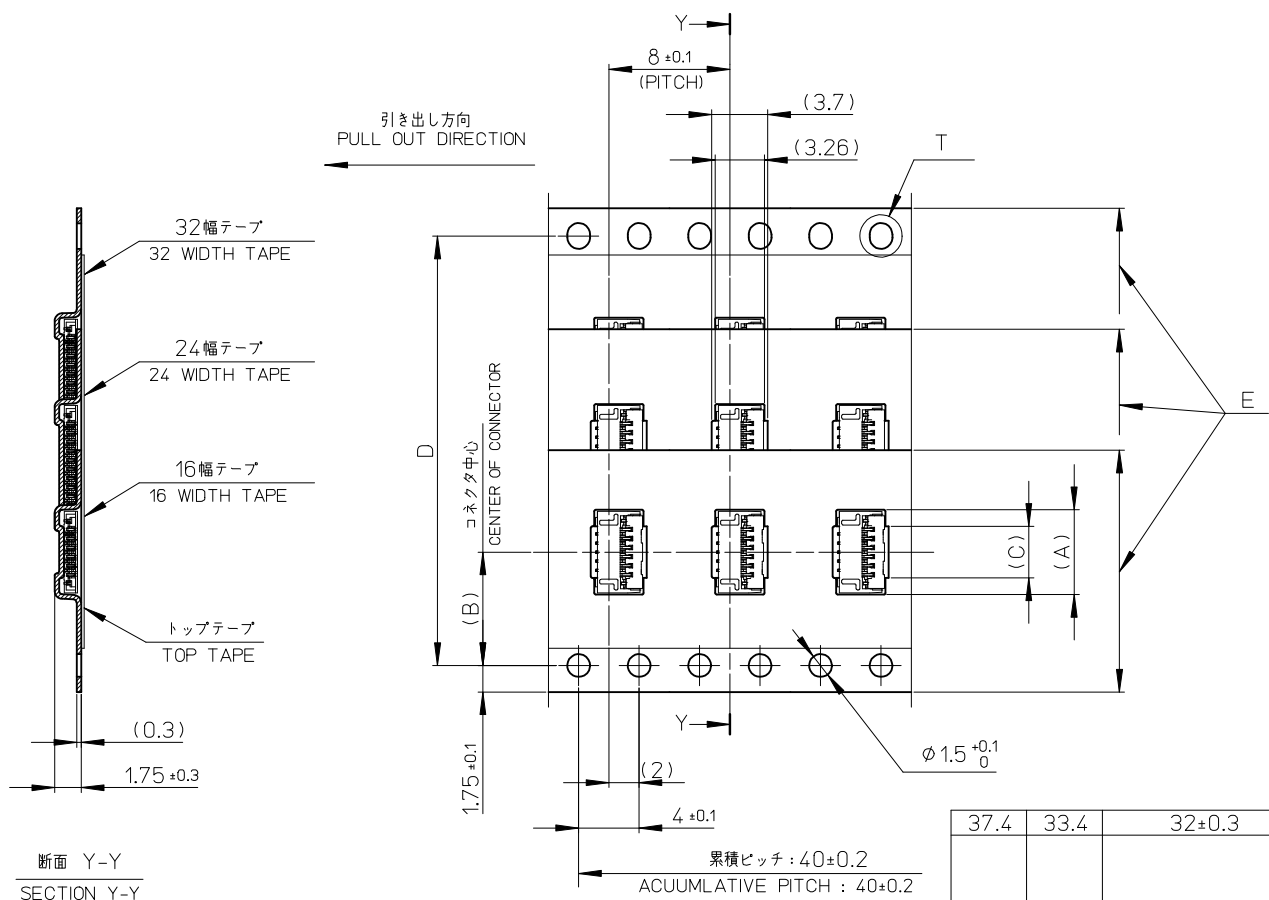
E

D

C

B

A



断面 Y-Y
SECTION Y-Y

37.4	33.4	32±0.3	28.4	15.4	14.2	17.6	501628-5191	51
29.4	25.4	24±0.3	±±	13.6	11.5	15.8	501628-4591	45
				11.8		14	501628-3991	39
				11.2		13.4	501628-3791	37
				10.6		12.8	501628-3591	35
				10.0		12.2	501628-3391	33
				9.4		11.6	501628-3191	31
21.4	17.4	16±0.3		8.2	7.5	10.4	501628-2791	27
				6.4		8.6	501628-2191	21
				3.4		5.6	501628-1191	11
G	F	E キャリアテープ幅 EMBOSSED TAPE WIDTH		D	C	B	A	製 品 番 号 MATERIAL NO.

REVISED EC NO: J2010-0068 DRWN:KUSATO CHKD:HSHIMOMYAMA APPR:KMORIKAWA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	DRAWN BY HSHIMOMYAMA	DATE 2005/08/22	TITLE 0.3 FPC CONN.(FOR 501628 -**11) TAPING PACKAGE NICKEL BARRIER				
		10 OVER 30 UNDER	± ---	CHECKED BY HIRATA	DATE 2005/08/22					
		30 OVER	± ---	APPROVED BY MSASAO	DATE 2005/08/22					
		ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501628-003		2 OF 2			
	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					