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Part Number: [5016283191](#)
Status: **Active**
Description: 0.30mm (.012") Pitch Easy-On™ Type FPC Connector, 0.90mm (.035") Mated Height, Right Angle, SMT, Bottom Contact Style, 31 Circuits, Lead-free

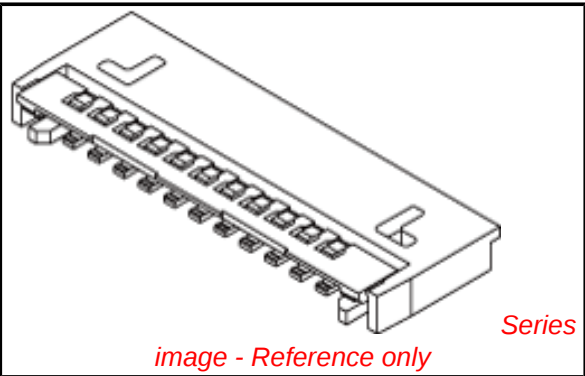
Documents:
[3D Model](#) [Product Specification PS-501628-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	FFC/FPC Connectors
Series	501628
Comments	FPC with tabs
Product Name	Easy-On™
Physical	
Circuits (Loaded)	31
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-501628-003
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](#)

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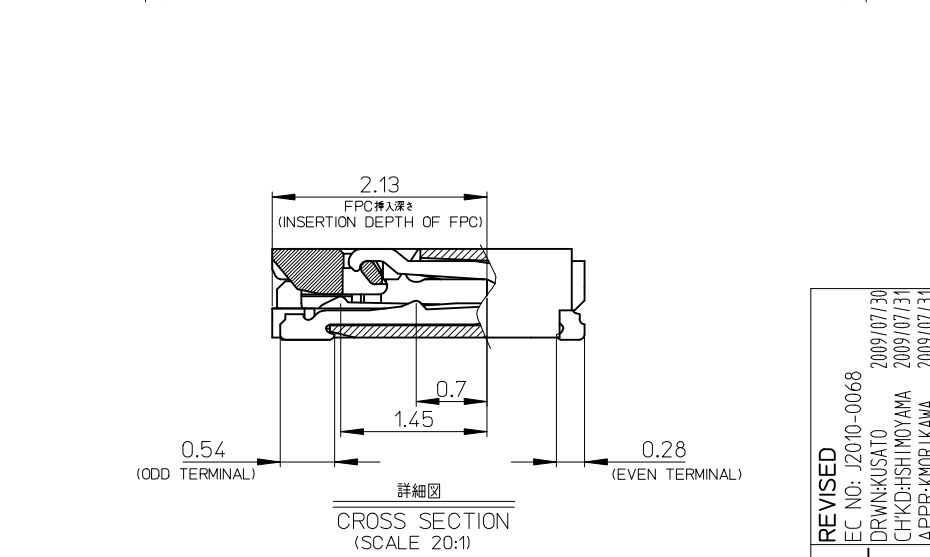
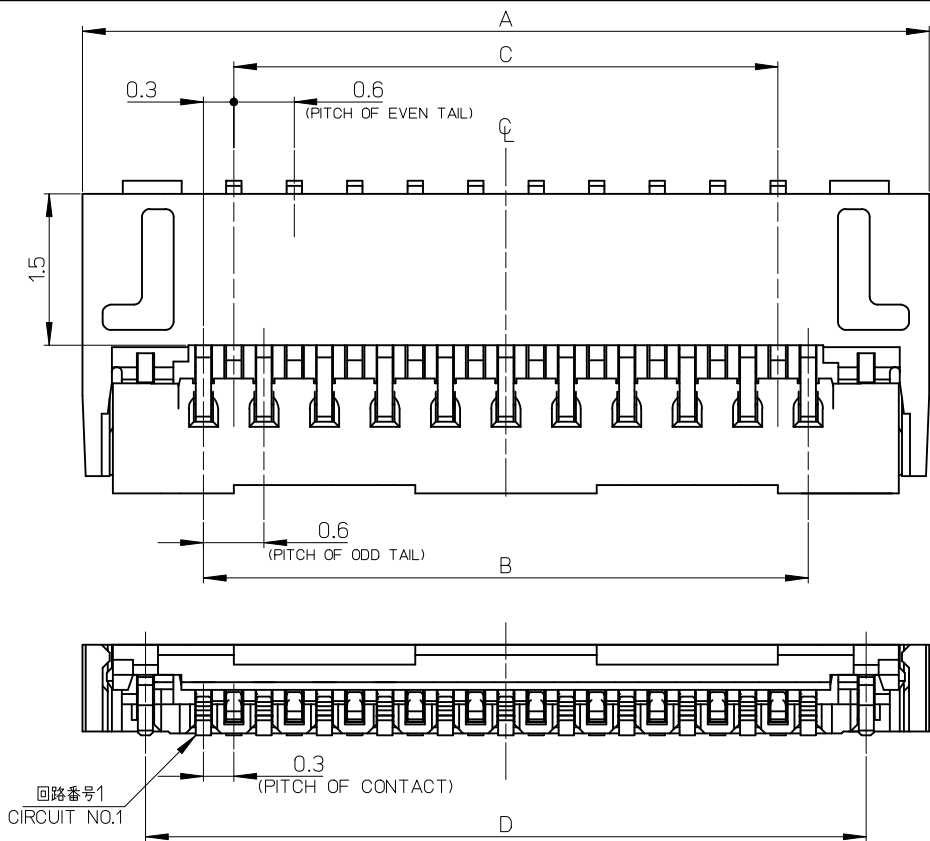
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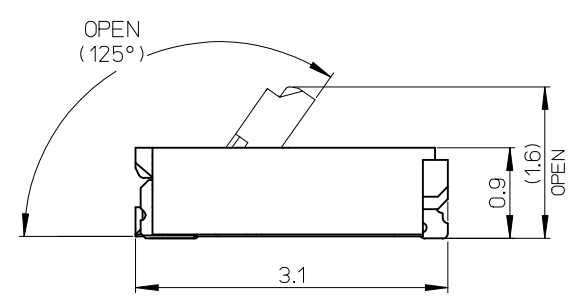
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注記
NOTES:
1.材質
MATERIAL
ハウジング:LCP(液晶ポリマー)、ガラス充填、UL94V-0
HOUSING:LCP(LIQUID CRYSTAL POLYMER),
GLASS FILLED,UL94V-0
アクチュエータ:ナイロン、ガラス充填、UL94V-0
ACTUATOR:NYLON(POLYAMIDE),
GLASS FILLED,UL94V-0
ターミナル:銅合金(t=0.15)
TERMINAL:COPPER ALLOY(t=0.15)
金具:銅合金(t=0.15)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

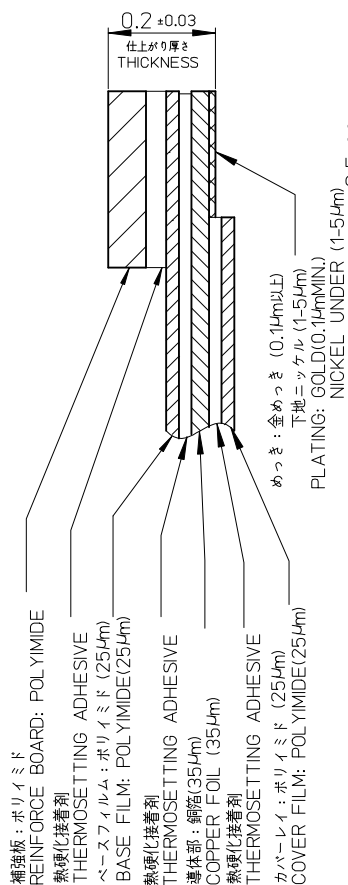
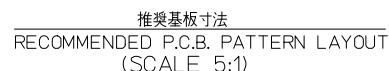
0.3 FPC CONN. (H=0.9)
HS'G ASSY BOTTOM CONTACT
NICKEL BARRIER
MOLEX INCORPORATED
DOCUMENT NO.
SD-501628-001
SHEET NO.
1 OF 2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

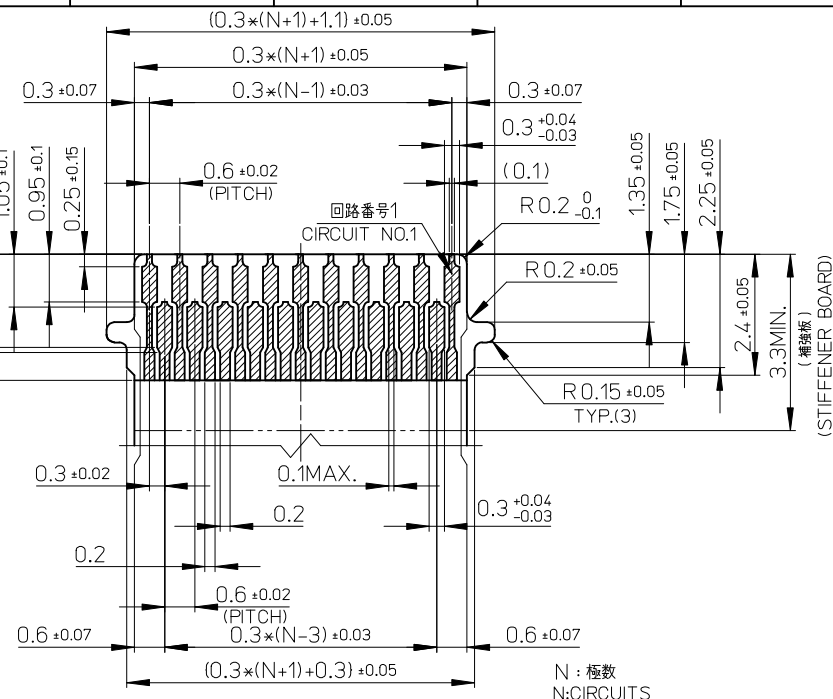
tb_frame_A3_J_ME_S
Rev. D 2004/04/02

987654321

EN-02JA(021)



FPC構成推奨仕様
STRUCTURE OF FPC

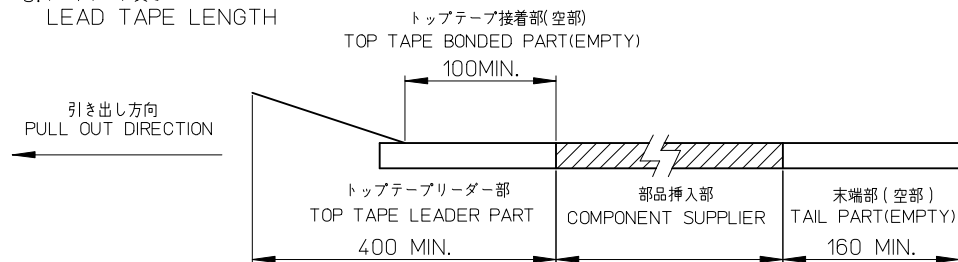


THE DEFECT IN ELECTRICAL CONTINUITY.

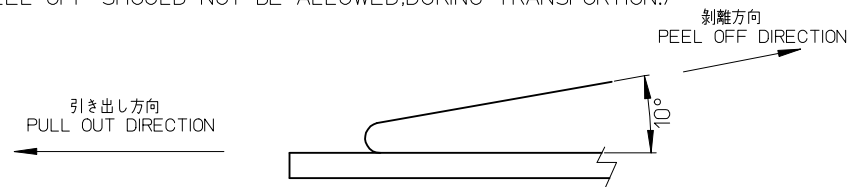
tb_frame_A3_J_ME_S
Rev. D 2004/04/02

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

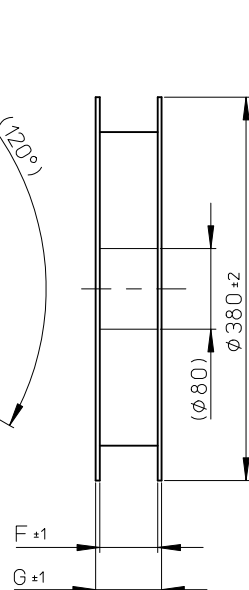


- トップテープの剥離強度(剥離方向は下図参照)
PEELING OFF FORCE OF TOP TAPE (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)
0.1-1.3N (10-130gf)
尚、本規格値は出荷時に適用。
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
(但し、輸送時に剥離が発生しないこと)
(PEEL OFF SHOULD NOT BE ALLOWED,DURING TRANSPORTION.)



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

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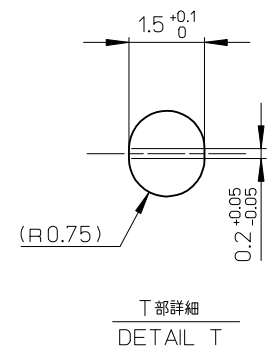
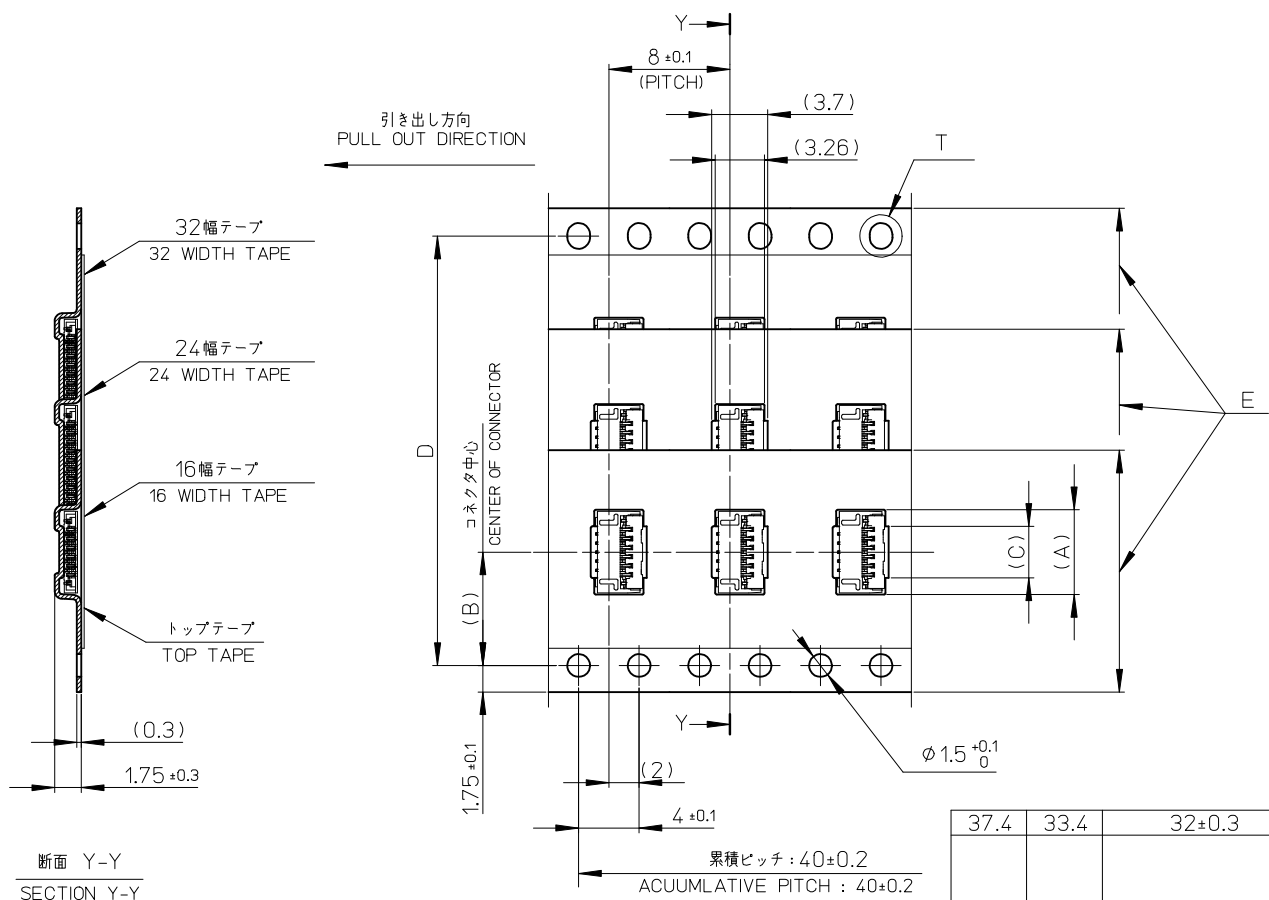
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断面 Y-Y
SECTION Y-Y

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.	極 数 CIRCUITS

REVISED
EC NO: J2010-0068
DRWN: KUSATO
CHKD: HSHIMOMYAMA
APPR: KMORIKAWA

2009/07/30
2009/07/31
2009/07/31

DESCRIPTION
REV

GENERAL TOLERANCES
(UNLESS SPECIFIED)

10 UNDER ± ---
10 OVER 30 UNDER ± ---
30 OVER ± ---
ANGULAR ± --- °
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY
HSHIMOMYAMA
CHECKED BY
HIRATA
APPROVED BY
MSASAO
DATE
2005/08/22
2005/08/22
2005/08/22

MATERIAL NO.
SEE TABLE

SIZE
A3

SCALE

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

TITLE
0.3 FPC CONN.(FOR 501628
-**11) TAPING PACKAGE
NICKEL BARRIER
MOLEX INCORPORATED

DOCUMENT NO.
SD-501628-003

SHEET NO.
2 OF 2