

molex® 0.50mm (.020") Pitch
FEC/FPC Connector

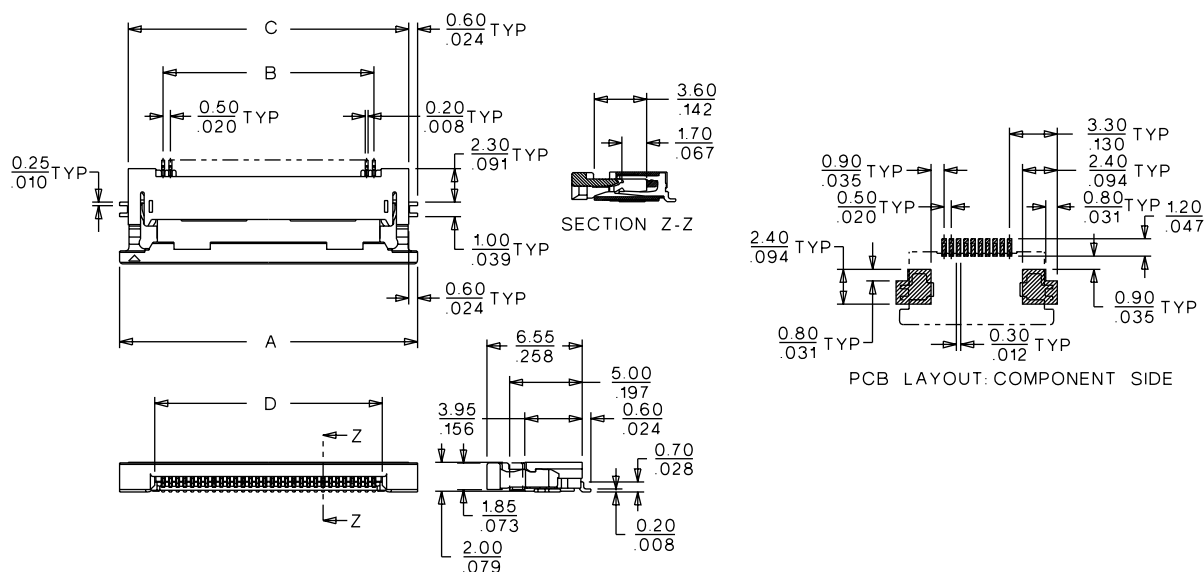
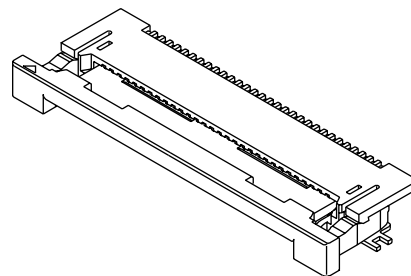
- Sizes 30 to 50 circuits
- For 0.30mm (.012") thick FFC/FPC
- Pre-hold cable retention feature helps facilitate correct FPC insertion
- Durable actuator design
- Metal solder tabs provide pcb hold-down and strain relief for SMT tails

Voltage: 50V
Current: 0.5A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 250V AC/1 min.
Insulation Resistance: 50 MΩ min.

Housing: 4/6 nylon, UL 94V-0
 Actuator: PPS, UL 94V-0
 Contact: Phosphor Bronze
 Plating: Tin
 Solder Tabs: Phosphor Bronze, Tin plating
 Temperature: -20 to +85°C

Packaging: Embossed tape
Product Specification: PS-54132-010
Designed In: Millimeters

54132
Right Angle, SMT, ZIF
Bottom Contact Style



Circuits	Order No.	Dimension				Carrier Tape Width
		A	B	C	D	
30	54132-3092	20.50 (.807)	14.50 (.571)	19.30 (.760)	15.65 (.616)	44.00 (1.732)
32	54132-3292	21.50 (.846)	15.50 (.610)	20.30 (.799)	16.65 (.656)	
33	54132-3392	22.00 (.866)	16.00 (.630)	20.80 (.819)	17.15 (.675)	
34	54132-3492	22.50 (.886")	16.50 (.650")	21.30 (.839")	17.65 (.695")	
35	54132-3592	23.00 (.906)	17.00 (.669)	21.80 (.858)	18.15 (.715)	
36	54132-3692	23.50 (.925)	17.50 (.689)	22.30 (.878)	18.65 (.734)	
38	54132-3892	24.50 (.965)	18.50 (.728)	23.30 (.917)	19.65 (.774)	
40	54132-4092	25.50 (1.004)	19.50 (.768)	24.30 (.957)	20.65 (.813)	
43	54132-4392	27.00 (1.063")	21.00 (.827")	25.80 (1.016")	22.15 (.872")	
45	54132-4592	28.00 (1.102)	22.00 (.866)	26.80 (1.055)	23.15 (.911)	
50	54132-5092	30.50 (1.201)	24.50 (.965)	29.30 (1.154)	25.65 (1.010)	

Note: For cable specification dimensions, see cable pages at end of section

DWG. NO.
SD-54132-011

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DO NOT SCALE DRAWING

EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	RELEASED EC NO. JC200 I-0171 DRWN: K.KOHAMA 00/09/0 CHK: S.KUNISHI 00/09/0 APPR: M.FUKUSHIMA 00/09/0
REV	DESCRIPTION	MATERIAL 材料	FINISH 仕上り	
		WIRE RANGE 適用電線範囲		
		INS. RANGE 被覆外径		

SHEET 2 OF 2 参照 SEE SHEET 2 OF 2	
WIRE RANGE 適用電線範囲	//
INS. RANGE 被覆外径	//

GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	
10 UNDER 未満	+0.2
10 OVER 以上	+0.25
30 UNDER 未満	+0.25
30 OVER 以上	+0.3
ANGLE 角度	+3°

SCALE —	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION	DIMENSIONS: ☐ mm ☐ INCH ☒ mm ONLY	SHT REV
DRAWN BY & DATE K.KOHAMA 00/09/13	CHECKED BY & DATE S.KUNISHI 00/09/13	APPROVED BY & DATE M.FUKUSHIMA 00/09/13	CAD FILENAME 54132011.S01	MATERIAL NO. 54132-**31
TITLE: 0.5 FPC CONN. ZIF HOUSING ASS'Y FOR SMT. (R/A) BOTTOM CONTACT		MOLEX INCORPORATED		
DRAWING NO. SD-54132-011		SHEET NO. 1 OF 2		SIZE B

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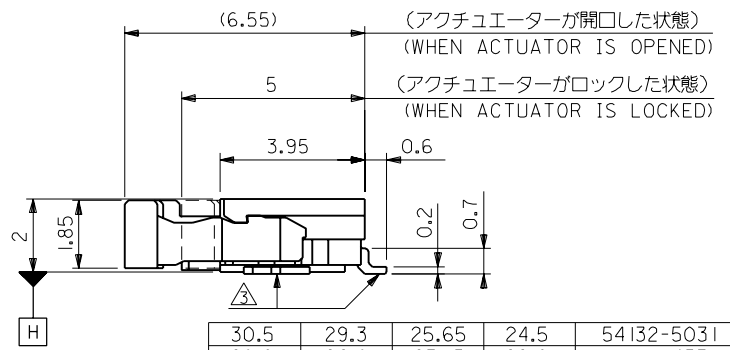
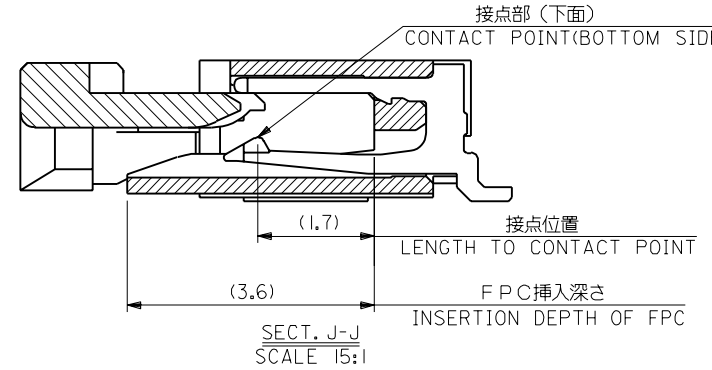
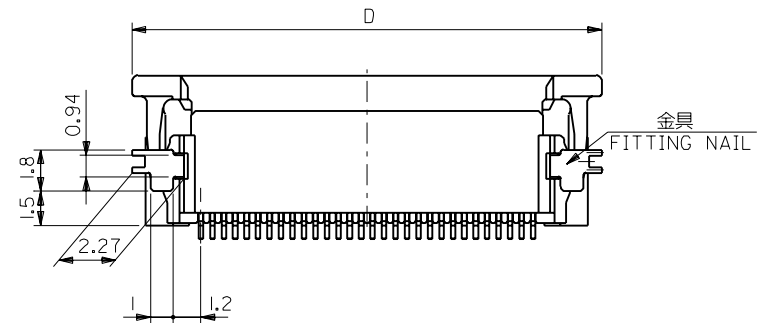
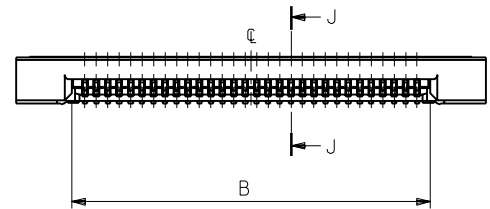
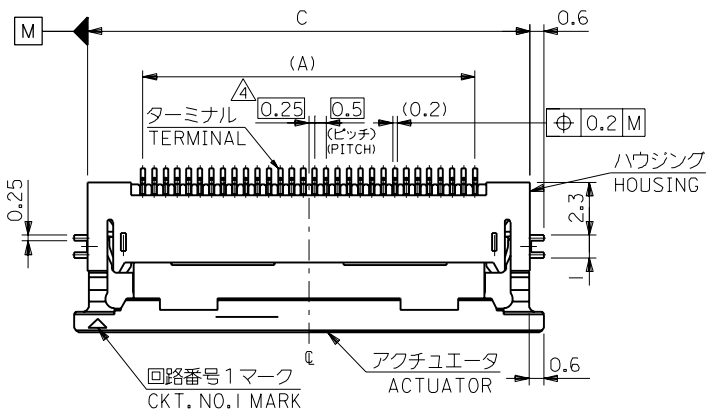
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EN-02J(097) MXJ-54



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28.0	26.8	23.15	22.0	-4531	45
27.0	25.8	22.15	21.0	-4331	43
25.5	24.3	20.65	19.5	-4031	40
24.5	23.3	19.65	18.5	-3831	38
23.5	22.3	18.65	17.5	-3631	36
23.0	21.8	18.15	17.0	-3531	35
22.5	21.3	17.65	16.5	-3431	34
22.0	20.8	17.15	16.0	-3331	33
21.5	20.3	16.65	15.5	-3231	32
20.5	19.3	15.65	14.5	54132-3031	30
D	C	B	A	ENG. NO.	CKT.

54132011.S01

DWG. NO.
SD-54132-011

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DO NOT SCALE DRAWING

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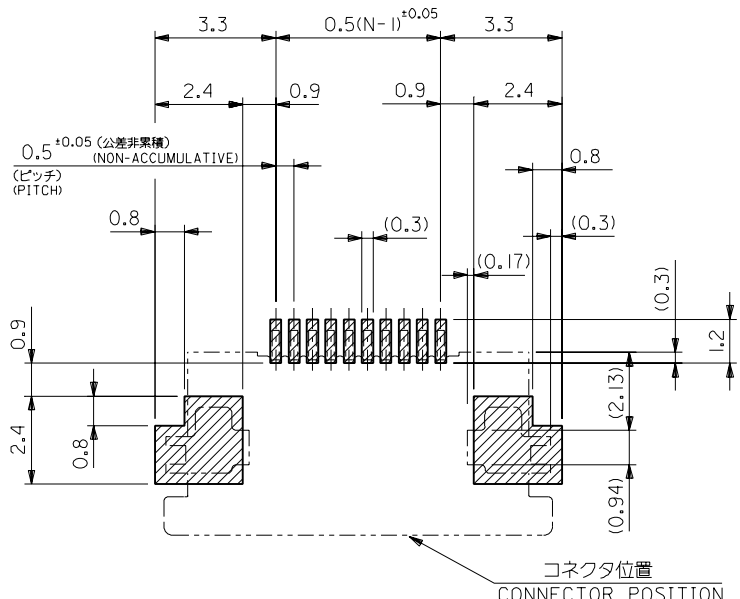
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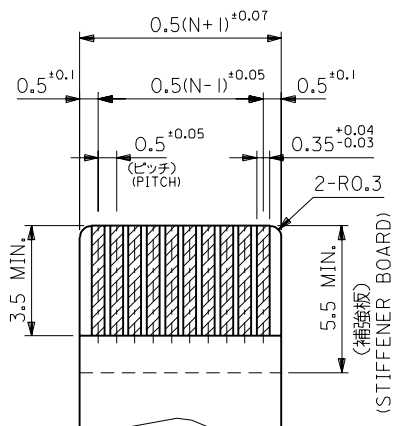
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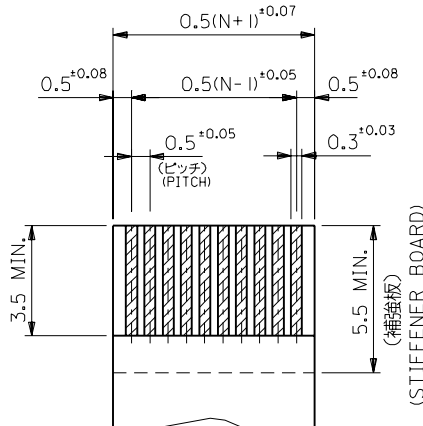


コネクタ位置
CONNECTOR POSITION

参考基板レイアウト
RECOMMENDED PC BOARD PATTERN DIMENSION(REF.)
(マウント面)
(MOUNTING SIDE)



適合FPC推奨寸法
APPLICABLE FPC RECOMMENDED DIMENSION
(仕上がり厚さ: 0.3±0.03)
(THICKNESS: 0.3±0.03)



適合FFC推奨寸法
APPLICABLE FFC RECOMMENDED DIMENSION
(仕上がり厚さ: 0.3±0.03)
(THICKNESS: 0.3±0.03)

注記
NOTES

- 使用材料
MATERIAL
ハウジング : 46ナイロン, UL94V-0
HOUSING : 46NYLON
アクチュエーター : PPS, UL94V-0
ACTUATOR : PPS
ターミナル : リン青銅, 錫メッキ (t=0.2)
TERMINAL : PHOS-BRO, TIN-PLATED
金具 : リン青銅, 錫メッキ (t=0.2)
FITTING NAIL : PHOS-BRO, TIN-PLATED
- エンボステープ梱包時は、アクチュエーターがロックした状態とする。
IN THE PACKAGE, ACTUATOR OF PART NO.54132-***1 SHOULD BE LOCKED.
△ソルダータール半田付け面のズレ量、及び金具半田付け面のズレ量は、基準面 H に対し上方向0.1MAX、下方向0.15MAX、とする。
MISALIGNMENT OF SOLDER TAILS AND FITTING NAIL FROM H UPPER DIRECTION: 0.1 MAX., LOWER DIRECTION: 0.15 MAX.
△偶数極に適用
APPLY FOR EVEN CIRCUIT.
△パターンはくり止め用金具
FITTING NAIL FOR PREVENTION OF PEELING OF P.C.B. PATTERN.

FPC/FFCについて

打抜き方向は導体側から補強板側を推奨いたします。
導体部については軟銅箔35マイクロメートルまたは50マイクロメートル
メッキ厚 3〜9マイクロメートル錫または半田メッキ (電気メッキ)
RECOMMENDED PUNCHER DIRECTION:
FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.
RECOMMENDED CONDUCTOR SPEC.:
THICKNESS OF SOFT COPPER FOIL:
35 micrometer or 50 micrometer
TIN OR SOLDER PLATING:
3~9 micrometer (ELECTRICAL PLATING)

EC NO. DRWN: CHK: APPR:			EC NO. DRWN: CHK: APPR:			EC NO. DRWN: CHK: APPR:			EC NO. DRWN: CHK: APPR:			RELEASED EC NO. JC2001-0171 DRWN: K.KOHAMA '00/09/08 CHK: S.KUNISHI '00/09/08 APPR: M.FUKUSHIMA '00/09/08			DESCRIPTION			MATERIAL 材料 注記参照 SEE NOTES			GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差			SCALE --	DESIGN UNITS mm INCH		THIRD ANGLE PROJECTION		INCH mm ONLY		REVISE ON CAD ONLY	
															FINISH 仕上げ			10 UNDER 未満			±0.2	DRAWN BY & DATE K.KOHAMA '00/09/13		TITLE: 0.5 FPC CONN. ZIF HOUSING ASS'Y FOR SMT. (R/A) BOTTOM CONTACT								
																		10 OVER 以上			30 UNDER 未満	±0.25	CHECKED BY & DATE S.KUNISHI '00/09/13									
																		30 OVER 以上				±0.3	APPROVED BY & DATE M.FUKUSHIMA '00/09/13		MOLEX MOLEX INCORPORATED							
															WIRE RANGE 適用導線範囲							±3°	CAD FILENAME 54132011.S02		MATERIAL NO. 54132-**31		DRAWING NO. SD-54132-011		SHEET NO. 2 OF 2			
												REV INS. RANGE 被覆外径												THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.						SIZE B		

EN-02J(097) MXJ-54

DWG. NO.
SD-54132-012

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DO NOT SCALE DRAWING

EC NO.
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CHK:
APPR:

EC NO.
DRWN:
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EC NO.
DRWN:
CHK:
APPR:

REVISED

EC NO. JC2001-0487
DRWN: K. KOHAMA '00/02/02
CHK: S. KUNISHI '00/02/02
APPR: M. FUKUSHIMA '00/02/02

RELEASED

EC NO. JC2001-0171
DRWN: K. KOHAMA '00/09/03
CHK: S. KUNISHI '00/09/03
APPR: M. FUKUSHIMA '00/09/03

DESCRIPTION

MATERIAL
材料

SHEET 1 OF 2 参照
REFER TO SHEET 1 OF 2

FINISH
仕上げ

WIRE RANGE
適用電線範囲

INS. RANGE
被覆外径

REV

GENERAL TOLERANCES:
(UNLESS SPECIFIED)
一般公差

10 UNDER
未満 +0.2
10 OVER
以上 30 UNDER
未満 +0.25
30 OVER
以上 +0.3

ANGLE 角度 +3°

SCALE
2:1

DESIGN UNITS
mm INCH

THIRD ANGLE
PROJECTION

DIMENSIONS:
mm INCH mm ONLY

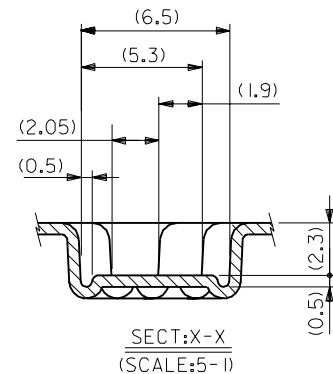
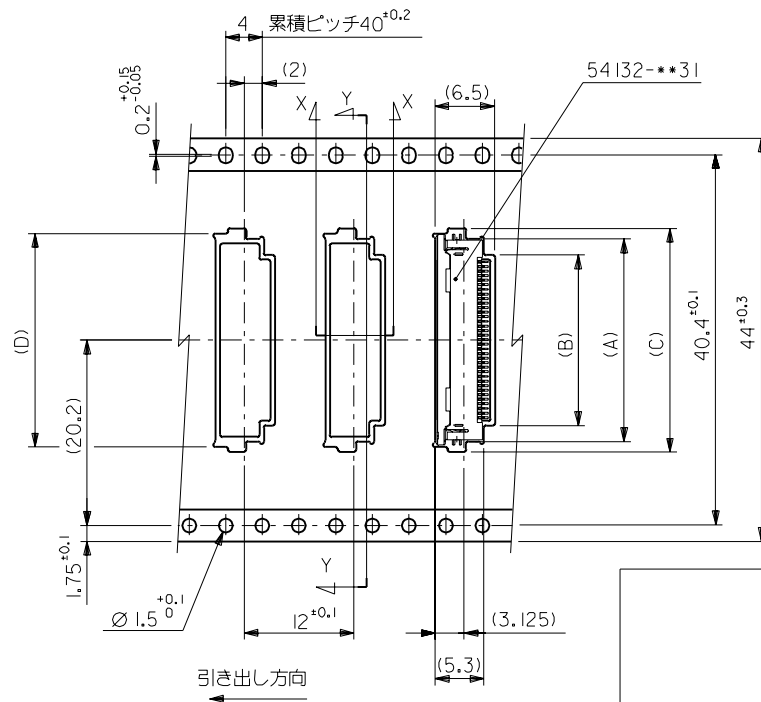
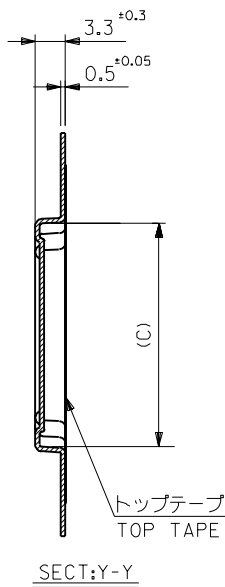
SHT
REV

DRAWN BY & DATE
K. KOHAMA '00/09/13
CHECKED BY & DATE
S. KUNISHI '00/12/22
APPROVED BY & DATE
M. FUKUSHIMA '00/12/22
CAD FILENAME
54132012.S02

TITLE:
EMBOSSD TAPE PACKAGE
FOR 0.5 FPC CONN. ZIF
MOLEX INCORPORATED
MATERIAL NO.
54132-***92
DRAWING NO.
SD-54132-012
SHEET NO.
2 OF 2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
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SIZE
B

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44	45.5	30.8	31.6	26.1	29.6	54132-5092	50
		28.3	29.4	23.6	27.1	4 -4592	45
		27.3	28.4	22.6	26.1	-4392	43
		25.8	26.9	21.1	24.6	-4092	40
		24.8	25.9	20.1	23.6	-3892	38
		23.8	24.9	19.1	22.6	-3692	36
		23.3	24.4	18.6	22.1	-3592	35
		22.8	23.9	18.1	21.6	-3492	34
		22.3	23.4	17.6	21.1	7 -3392	33
		21.8	22.9	17.1	20.6	7 -3292	32
キャリアテープ幅 CARRIER TAPE WIDTH		20.8	21.9	16.1	19.6	54132-3092	30
E	D	C	B	A	ENG. NO.	CKT.	

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