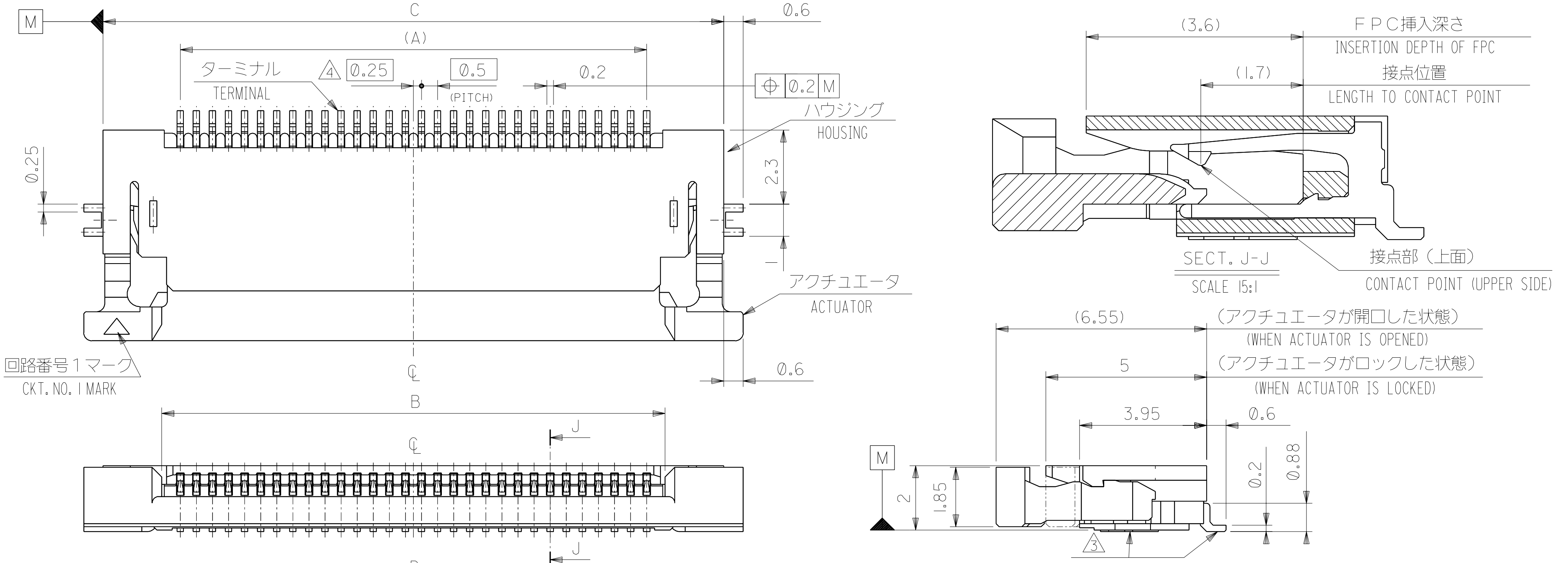
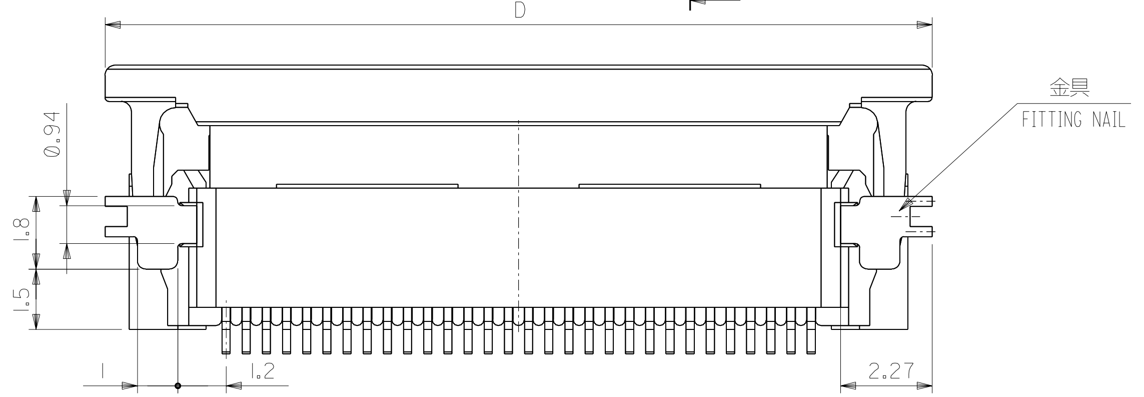
DWG. NO. SD-54104-023





D	C	B	A	MATERIAL NO.	CKT.
30.5	29.3	25.65	24.5	54104 - 5037	50
28.5	27.3	23.65	22.5	54104 - 4637	46
28.0	26.8	23.15	22.0	54104 - 4537	45
27.0	25.8	22.15	21.0	54104 - 4337	43
25.5	24.3	20.65	19.5	54104 - 4037	40
24.5	23.3	19.65	18.5	54104 - 3837	38
23.5	22.3	18.65	17.5	54104 - 3637	36
23.0	21.8	18.15	17.0	54104 - 3537	35
22.5	21.3	17.65	16.5	54104 - 3437	34
22.0	20.8	17.15	16.0	54104 - 3337	33
21.5	20.3	16.65	15.5	54104 - 3237	32
20.5	19.3	15.65	14.5	54104 - 3037	30

REV	0	A	B		
DESCRIPTION	新規作成 RELEASED '00/12/13 ECNNO. JC2001-0415 DRWN: N.YANO CH'K: S.KUNISHI APPR: M.FUKUSHIMA	変更 REVISED '02/10/15 ECNNO. J2003-0977 DRWN: K.TOJO CH'K: M.SASAO APPR: M.SASAO	変更 REVISED '03/04/17 ECNNO. J2003-2624 DRWN: K.TOJO CH'K: M.SASAO APPR: M.SASAO	ECNNO. DRWN: CH'K: APPR:	ECNNO. DRWN: CH'K: APPR:

MATERIAL 材料
SHEET 2 OF 2 参照
SEE SHEET 2 OF 2

FINISH 仕上げ —//—

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 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 ☐ INCH/mm ☒ mm ONLY

SHT | REV

REVISE ON CAD ONLY

DRAWN BY & DATE N.YANO '00/12/13

CHECKED BY & DATE S.KUNISHI '00/12/13

APPROVED BY & DATE M.FUKUSHIMA '00/12/13

TITLE:
0.5 FPC Conn Zif
Hsg Assy for SMT
RA Upr Cont

molex MOLEX INCORPORATED

CAD FILENAME SD-54104-023.S01

MATERIAL NO. 54104-**37

DRAWING NO. SD-54104-023

SHEET NO. 1 OF 2

SIZE B

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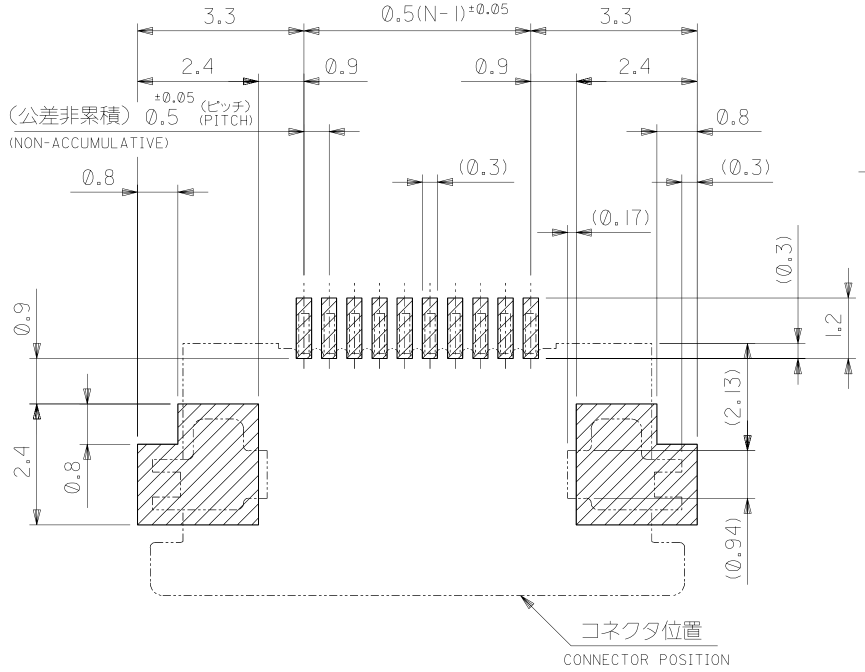
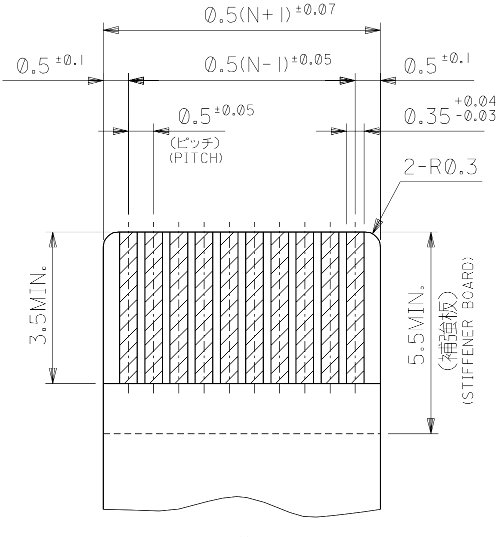
DO NOT SCALE DRAWING

SD-54104-023.S01

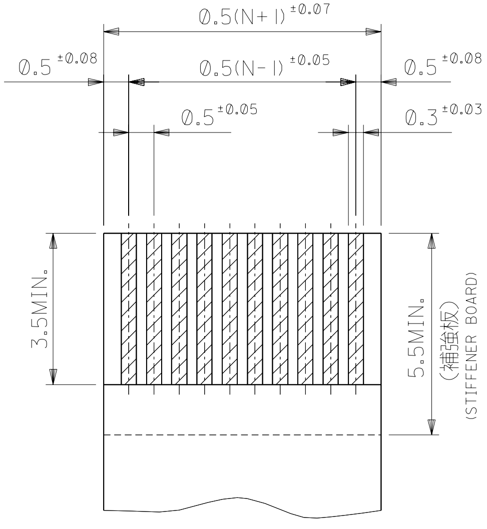
EN-02J(097) MXJ-54



参考基板レイアウト
RECOMMENDED P.C.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：$0.3^{\pm0.03}$)
(THICKNESS:$0.3^{\pm0.03}$)



適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION
(仕上がり厚さ：$0.3^{\pm0.03}$)
(THICKNESS:$0.3^{\pm0.03}$)

注記 NOTES

1. 使用材料 MATERIAL

ハウジング HOUSING	：46ナイロン、UL94V−0 46NYLON
アクチュエータ ACTUATOR	：PPS、UL94V−0
ターミナル TERMINAL	：リン青銅、銅下地半田メッキ（t＝0．2） PHOS-BRO.TIN-LEAD(9:1) 3〜5 MICRON METER OVER COPPER 1〜2.5 MICRON METER PLATED
金具 FITTING NAIL	：リン青銅、銅下地半田メッキ（t＝0．2） PHOS-BRO.TIN-LEAD(9:1) 3〜5 MICRON METER OVER COPPER 1〜2.5 MICRON METER PLATED

2. 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。
IN THE PACKAGE,ACTUATOR OF PART NO.54104-**37 SHOULD BE LOCKED.

△3 ソルダーテ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 0．1 MAX。下方向 0．15MAX。とし、相互のバラツキ量は、0．1MAX。とする。
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM H UPPER DIRECTION: 0.1 MAX. , LOWER DIRECTION: 0.15MAX. OFFSET BETWEEN UPPER AND LOWER 0.1 MAX.

△4 偶数極に適用。
APPLY FOR EVEN CIRCUIT.

△5 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マイクロメーターまたは50マイクロメーター
メッキ厚 3～9マイクロメーター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)

REV	DESCRIPTION
	EC NO.: DRWN: CH'K: APPR:
	EC NO.: DRWN: CH'K: APPR:
B	変更 REVISED '03/04/17 EC NO. J2003-2624 DRWN: K.TOJO CH'K: M.SASAO APPR: M.SASAO
A	変更 REVISED '02/10/15 EC NO. J2003-0977 DRWN: K.TOJO CH'K: M.SASAO APPR: M.SASAO
0	新規作成 RELEASED '00/12/13 EC NO. JC2001-0415 DRWN: N.YANO CH'K: S.KUNISHI APPR: M.FUKUSHIMA

MATERIAL 材料	注記参照 SEE NOTES
FINISH 仕上げ	—//—
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 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 ☐ INCH/mm ☒ mm ONLY
SHT	
REV	REVISE ON CAD ONLY
DRAWN BY & DATE	N.YANO '00/12/13
CHECKED BY & DATE	S.KUNISHI '00/12/13
APPROVED BY & DATE	M.FUKUSHIMA '00/12/13
TITLE:	0.5 FPC Conn Zif Hsg Assy for SMT RA Upr Cont
CAD FILENAME	SD-54104-023.S02
MATERIAL NO.	54104-**37
DRAWING NO.	SD-54104-023
SHEET NO.	2 OF 2
SIZE	B

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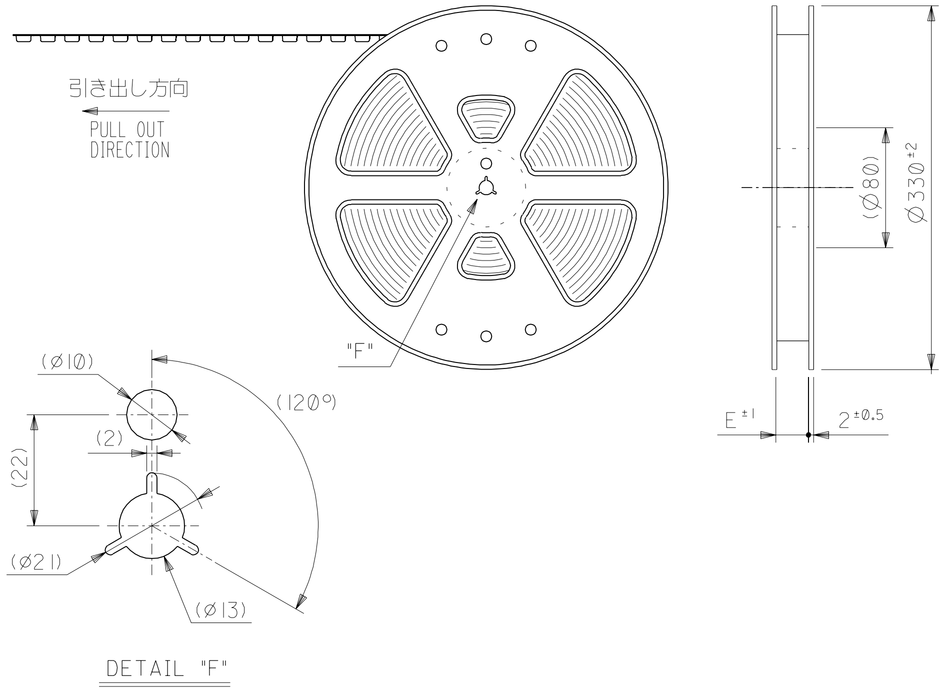
DWG. NO. SD-54104-024

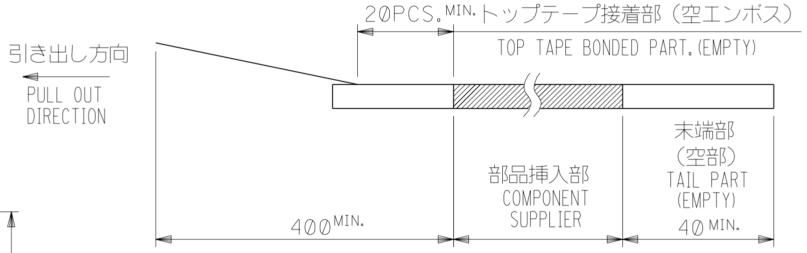


DETAIL "F"

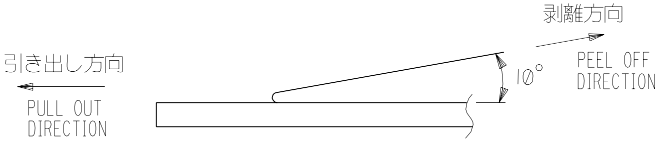
NOTES

1. 梱包数量：１５００個／リール
NUMBER OF CONNECTORS : 1500PCS/REEL

2. リードテープ長さ LEAD TAPE LENGTH



3. トップテープの剥離強度：0.1N ～ 0.7N(10.2gf ～ 71.4gf)
（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こと。）
PEELING OFF FORCE OF TOP TAPE : 0.1N ～0.7N(10.2gf ～ 71.4gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG,)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



4. 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(TOPTAPE)： PET , PE , PEF
リール(REEL)：ポリスチレン(PS)<リサイクル材を含む>
POLYSTYREN (PS) <RECYCLE MATERIAL CONTAINED>

DO NOT SCALE DRAWING

REV	DESCRIPTION
0	新規作成 RELEASED '00/12/13 NO. JC2001-0415 DRWN: N.YANO CH'K: S.KUNISHI APPR: M.FUKUSHIMA
A	変更 REVISED '02/10/15 NO. J2003-0977 DRWN: K.TOJO CH'K: M.SASAO APPR: M.SASAO
	NO. DRWN: CH'K: APPR:
	NO. DRWN: CH'K: APPR:
	NO. DRWN: CH'K: APPR:

MATERIAL 材料: 注記参照 SEE NOTES
FINISH 仕上げ: —//—
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 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 ☐ INCH/mm ☒ mm ONLY
SHT REV
REVISE ON CAD ONLY

DRAWN BY & DATE N.YANO '00/12/13
CHECKED BY & DATE S.KUNISHI '00/12/13
APPROVED BY & DATE M.FUKUSHIMA '00/12/13

TITLE: Embstp Pkg for 0.5 FPC Conn Zif Hsg Assy

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CAD FILENAME SD-54104-024.S01
MATERIAL NO. 54104-**92
DRAWING NO. SD-54104-024
SHEET NO. 1 OF 2
SIZE B

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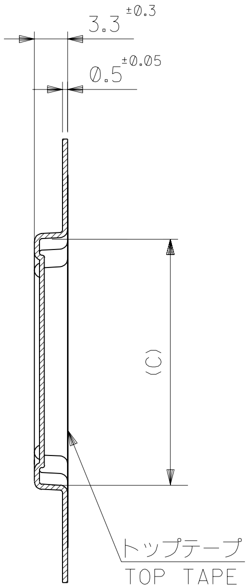
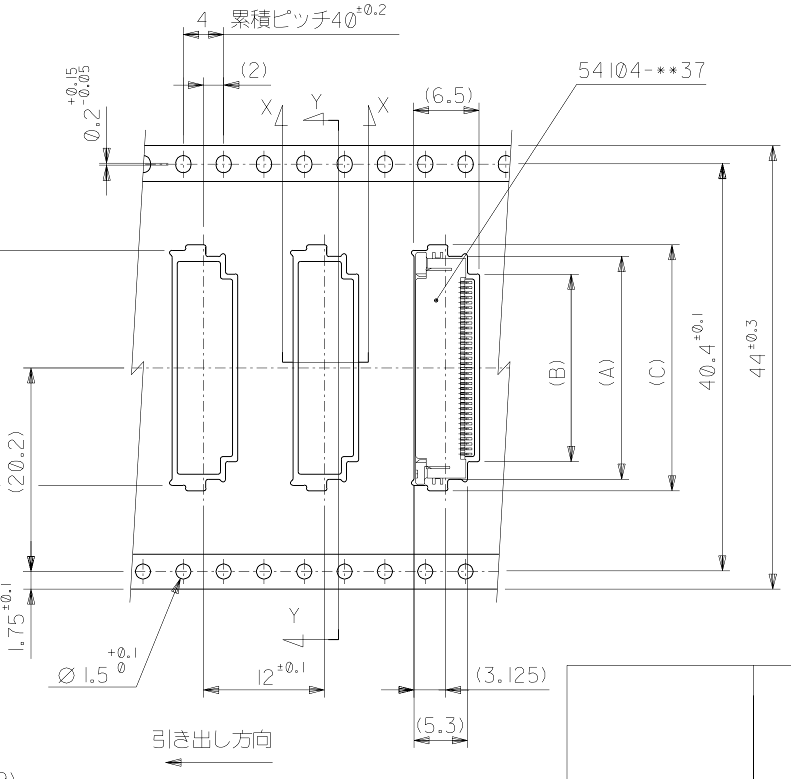
SD-54104-024.S01 A

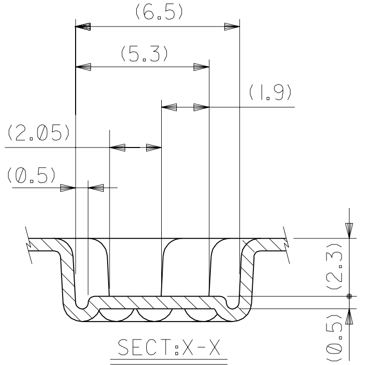
EN-02J(097) MXJ-54

DWG. NO. SD-54104-024



SECT:Y-Y





SECT:X-X
(SCALE:5-1)

キャリアテープ幅 CARRIER TAPE WIDTH	E	D	C	B	A	MATERIAL NO.	CKT.
44	45.5	30.8	31.9	26.1	29.6	54104-5092	50
		28.8	29.9	24.1	27.6	-4692	46
		28.3	29.4	23.6	27.1	-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	-3392	33
		21.8	22.9	17.1	20.6	-3292	32
		20.8	21.9	16.1	19.6	54104-3092	30

DO NOT SCALE DRAWING

REV	DESCRIPTION
0	新規作成 RELEASED '00/12/13 △0 NO. JC2001-0415 DRWN: N.YANO CH'K: S.KUNISHI APPR: M.FUKUSHIMA
A	変更 REVISED '02/10/015 △1 NO. J2003-0977 DRWN: K.TOJO CH'K: M.SASAO APPR: M.SASAO
	△2 NO. DRWN: CH'K: APPR:
	△3 NO. DRWN: CH'K: APPR:
	△4 NO. DRWN: CH'K: APPR:

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 —//—

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
DESIGN UNITS ☒mm ☐INCH
THIRD ANGLE PROJECTION
DIMENSIONS: ☐ mm/INCH ☐ INCH/mm ☒ mm ONLY
SHT
REV
△REVISE ON CAD ONLY

DRAWN BY & DATE N.YANO '00/12/13
CHECKED BY & DATE S.KUNISHI '00/12/13
APPROVED BY & DATE M.FUKUSHIMA '00/12/13

TITLE:
Embstp Pkg for
0.5 FPC Conn Zif Hsg Assy

molex MOLEX INCORPORATED

CAD FILENAME SD-54104-024.S02
MATERIAL NO. 54104-**92
DRAWING NO. SD-54104-024
SHEET NO. 2 OF 2
SD-54104-024.S02

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SIZE B