molex
one company > a world of innovation

This document was generated on 06/05/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0528081370
Status: Active
Overview:
Description: 1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, Non-ZIF Receptacle, 13 Circuits, Lead-free

EU RoHS | **China RoHS**
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Not Reviewed

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
52808Series

Agency Certification

UL	E29179

General

Product Family	FFC/FPC Connectors
Series	52808
Overview	ffc_fpc_smt
Product Name	N/A

Physical

Circuits (Loaded)	13
Circuits (maximum)	13
Color - Resin	Natural
Contact Position	N/A
Durability (mating cycles max)	10
Entry Angle	N/A
Flammability	94V-0
Mated Height (in)	0.199 In
Mated Height (mm)	5.05 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin-Bismuth
Material - Plating Termination	Tin-Bismuth
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.039 In
Pitch - Mating Interface (mm)	1.00 mm
Pitch - Term. Interface (in)	0.039 In
Pitch - Term. Interface (mm)	1.00 mm
Plating min: Mating (µin)	40
Plating min: Mating (µm)	1
Plating min: Termination (µin)	40
Plating min: Termination (µm)	1
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-20°C to +80°C
Termination Interface: Style	Surface Mount
Wire/Cable Type	FFC/FPC

Electrical

Current - Maximum per Contact	0.5A
Voltage - Maximum	125V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-52808-001

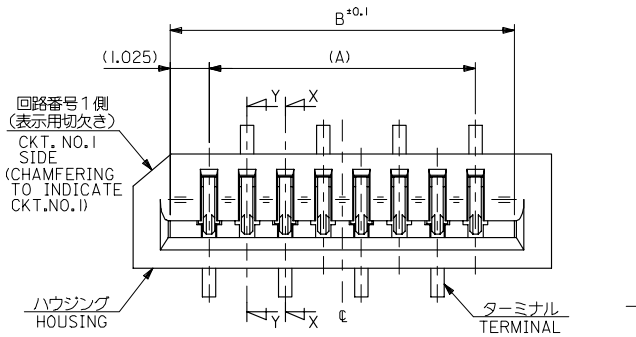
Downloaded from Elcodis.com electronic components distributor

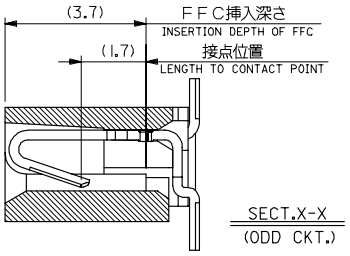
Product Specification	PS-52808-004, RPS-52808-039, RPS-52808-044, RPS-52808-045, RPS-52808-047, RPS-52808-048, RPS-52808-049
Sales Drawing	SD-52808-027, SD-52808-028

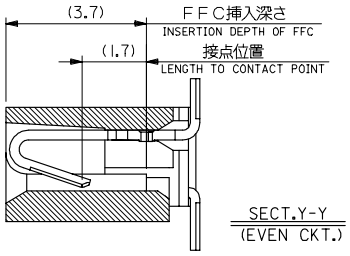
This document was generated on 06/05/2010

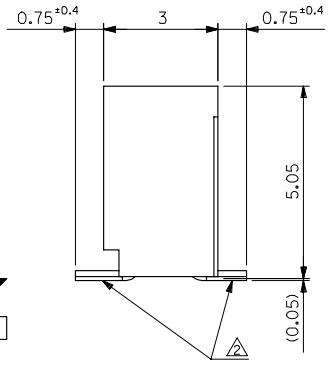
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

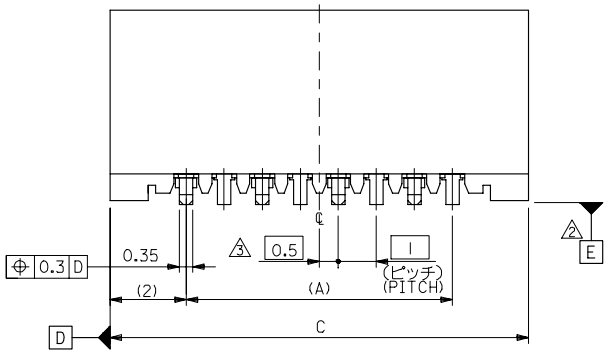
Downloaded from Elcodis.com electronic components distributor











33	31.05	29	52808-3019	30
32	30.05	28	-2919	29
31	29.05	27	-2819	28
30	28.05	26	-2719	27
29	27.05	25	-2619	26
28	26.05	24	-2519	25
27	25.05	23	-2419	24
26	24.05	22	-2319	23
25	23.05	21	-2219	22
24	22.05	20	-2119	21
23	21.05	19	-2019	20
22	20.05	18	-1919	19
21	19.05	17	-1819	18
20	18.05	16	-1719	17
19	17.05	15	-1619	16
18	16.05	14	-1519	15
17	15.05	13	-1419	14
16	14.05	12	-1319	13
15	13.05	11	-1219	12
14	12.05	10	-1119	11
13	11.05	9	-1019	10
12	10.05	8	-0919	9
11	9.05	7	-0819	8
10	8.05	6	-0719	7
9	7.05	5	-0619	6
8	6.05	4	-0519	5
7	5.05	3	52808-0419	4
MODEL NO.	C	B	A	MATERIAL NO. / 極数 CIRCUIT
52808-**19				

注記 NOTES:

1. 使用材料 MATERIAL
   ハウジング: PPS,UL94V-0 HOUSING :PPS, UL94V-0
   ターミナル: リン青銅 (t=0.25) TERMINAL :PHOSPHOR BRONZE
   メッキ: ニッケル下地錫ビスマスメッキ PLATING :TIN-BISMUTH OVER NICKEL
2. 基準面 E からのソルダーテールの半田付け面のズレ量は、上方向に0.1MAX. 下方向0.15MAX. とする。
   MISALIGNMENT OF SOLDER TAIL FROM E
   : UPPER DIRECTION 0.1 MAX. , LOWER DIRECTION 0.15 MAX.
3. 偶数極に適用。
   APPLY FOR EVEN CKT.
4. 本製品は52808−**10の鉛フリー品である。
   THIS PRODUCT IS LEAD FREE OF 52808-**10

REVISED EC NO: J2006-1497 2005/11/04
DRWN:MNABEI 2005/11/07
CHKD:KTOYODA
APPR:NUKITA 2005/11/11
DESCRIPTION
REV A

GENERAL TOLERANCES (UNLESS SPECIFIED)

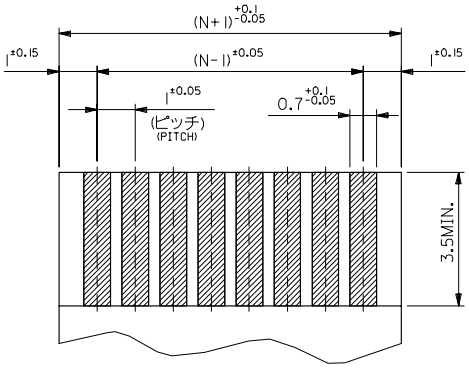
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±3 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	M.NABEI '04/02/19
CHECKED BY / DATE	M.SASAO '04/02/19
APPROVED BY / DATE	M.SASAO '04/02/19
MATERIAL NO.	SEE CHART
TITLE	1.0 FFC CONN. NON ZIF SMT. ST. -LEAD FREE-
	MOLEX INCORPORATED
DOCUMENT NO.	SD-52808-027
SHEET NO.	1 OF 1
SIZE	A3

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

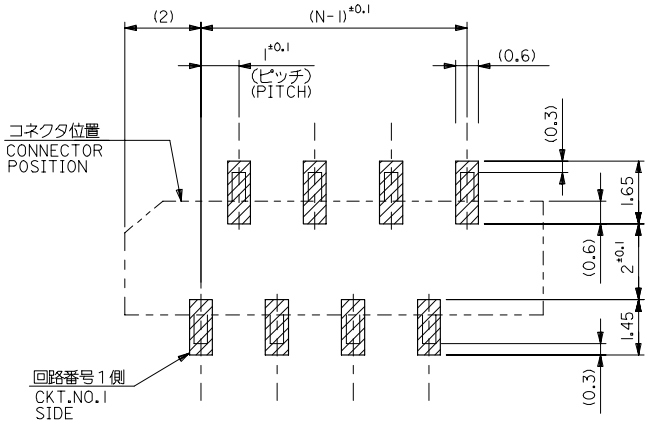
Downloaded from Elcodis.com electronic components distributor



(仕上がり厚さ0.3±0.03 THICKNESS)

適合FPC推奨寸法

APPLICABLE FPC RECOMMENDED DIMENSION.



参考基板レイアウト（マウント面）

RECOMMENDED P.C.BOARD PATTERN DIMENSION. (REF.) (MOUNTING AREA)

FPC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。

補強フィルム材質は、ポリイミドを推奨いたします。

接着剤は、熱硬質接着剤を推奨いたします。

ABOUT FPC :

RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER BOAD SIDE.

RECOMMENDED MATERIAL :

STIFFENER FILM : POLYIMIDE

BONDING AGENT : TERMOSETTING BONDING AGENT

REV	DESCRIPTION	
A	REVISED EC NO: J2006-1497	2005/11/04
	DRWN:MNABEI	2005/11/07
	CHKD:KTOYODA	2005/11/11
	APPR:NUKITA	

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±3 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	M.NABEI
DATE	'04/02/19
CHECKED BY	M.SASAO
DATE	'04/02/19
APPROVED BY	M.SASAO
DATE	'04/02/19
TITLE	1.0 FFC CONN. NON ZIF SMT. ST. -LEAD FREE-
	MOLEX INCORPORATED
MATERIAL NO.	SEE CHART
DOCUMENT NO.	SD-52808-027
SHEET NO.	2 OF 2
SIZE	A3

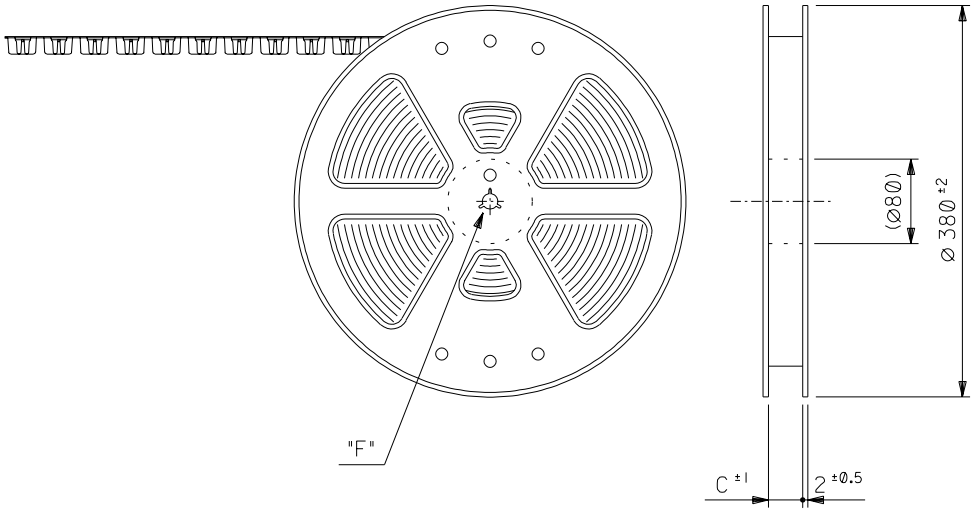
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

Downloaded from Elcodis.com electronic components distributor

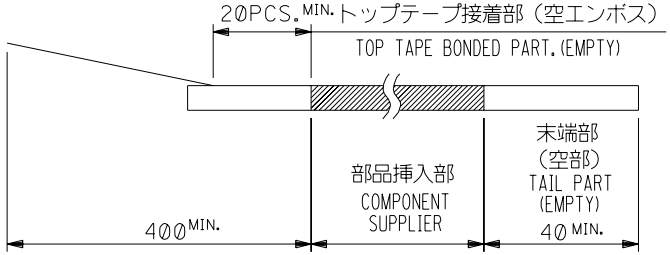
DWG. NO. SD-52808-028

:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

引き出し方向
PULL OUT

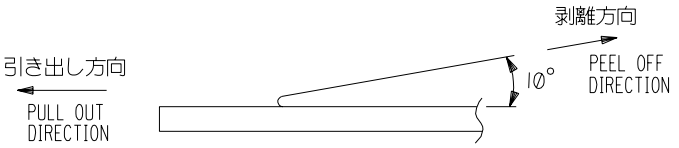


引き出し方向
PULL OUT DIRECTION

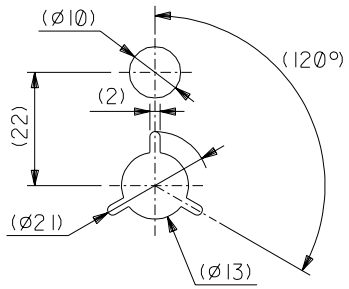


NOTES

1. 製品詳細寸法については図面 SD-52808-027 を参照下さい。
   RE DETAILED DIMENSION, SEE SD-52808-027
2. 梱包数量：１０００個／リール
   NUMBER OF CONNECTORS : 1000PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH
4. 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こと。）
   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.



5. 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>
6. 本製品は５２８０８－＊＊９０の鉛フリー品である。
   THIS PRODUCT IS LEAD FREE OF 52808-**90



DETAIL "F"

角度 ANGLE	±3°
30 以上 OVER	±0.3
10 以上 30 未満 OVER UNDER	±0.25
10 未満 UNDER	±0.2
一般公差 GENERAL TOLERANCES	

記号 LTR	変更内容 REVISION RECORD	DR.	日付 DATE
0	新規作成 RELEASED (J2004-2528)	M.N / M.S	'04/02/19

材料 MATERIAL	注記参照 SEE NOTES
仕上げ FINISH	//
適用電線範囲 WIRE RANGE	//
被覆外径 INS. RANGE	//
DRAWN BY '04/02/19 M.NABEI	CHK'D BY '04/02/19 M.SASAO
APP'D BY '04/02/19 M.SASAO	尺度 SCALE //

MOLEX-JAPAN CO.,LTD.
日本モレックス株式会社

REVISE ONLY ON CAD SYSTEM

TITLE 名称
1.0 FFC Conn NON ZIF
SMT ST Embstp Pkg
-LEAD FREE-

DWG. NO. SD-52808-028 (SHEET 1 OF 6) REV 0

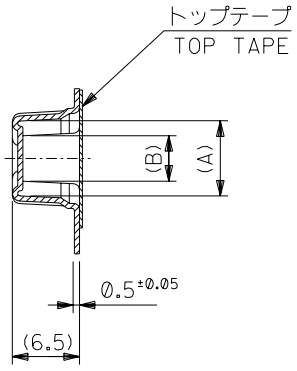
52808-**70
MODEL NO.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX(JAPAN) AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
本図面は日本モレックス（株）の所有する情報を含むもので当社の許可なく複製を禁止する。

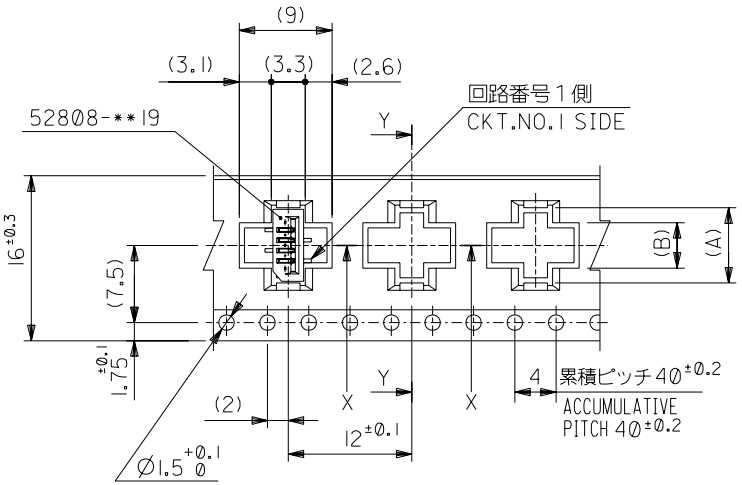
EN-0IC(032)MXJ-32

Downloaded from SnapEDA.com electronic components distributor

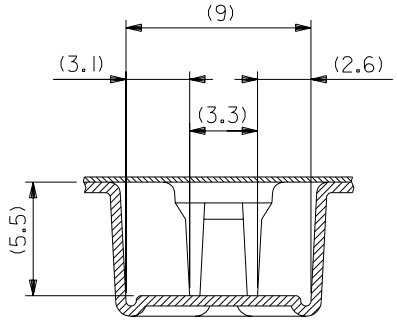
DWG. NO. SD-52808-028



SECT:Y-Y



引き出し方向
PULL OUT DIRECTION



SECT:X-X
(SCALE:4-1)

16mm幅キャリアテープ
16mm WIDTH CARRIER TAPE

MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	極数 CKT.
52808-**70	16	17.5	5.4	8.3	52808-0570	5
			4.4	7.3	52808-0470	4

角度 ANGLE	±3°
30以上 OVER	±0.3
10以上 30未満 OVER UNDER	±0.25
10未満 UNDER	±0.2

記号 LTR	変更内容 REVISION RECORD	DR.	日付 DATE
Ø	新規作成 RELEASED (J2004-2528)	M.N / M.S	'04/02/19

一般公差 GENERAL TOLERANCES

材料 MATERIAL SHEET 1 OF 6 参照
REFER TO SHEET 1 OF 6

仕上げ FINISH —//—

適用電線範囲 WIRE RANGE —//—

被覆外径 INS. RANGE —//—

DRAWN BY '04/02/19 M.NABEI
CHK'D BY '04/02/19 M.SASAO
APP'D BY '04/02/19 M.SASAO
尺度 SCALE —//—

molex MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社

REVISE ONLY ON CAD SYSTEM

TITLE 名称
1.0 FFC Conn NON ZIF
SMT ST Embstp Pkg
-LEAD FREE-

DWG. NO. SD-52808-028 (SHEET 2 OF 6) REV 0

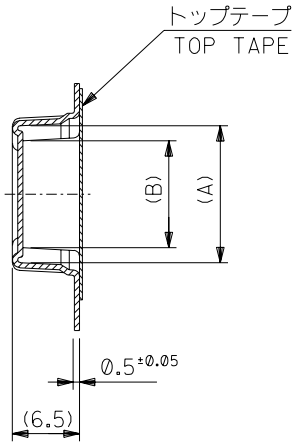
:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX(JAPAN) AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
本図面は日本モレックス（株）の所有する情報を含むもので当社の許可なく複製を禁止する。

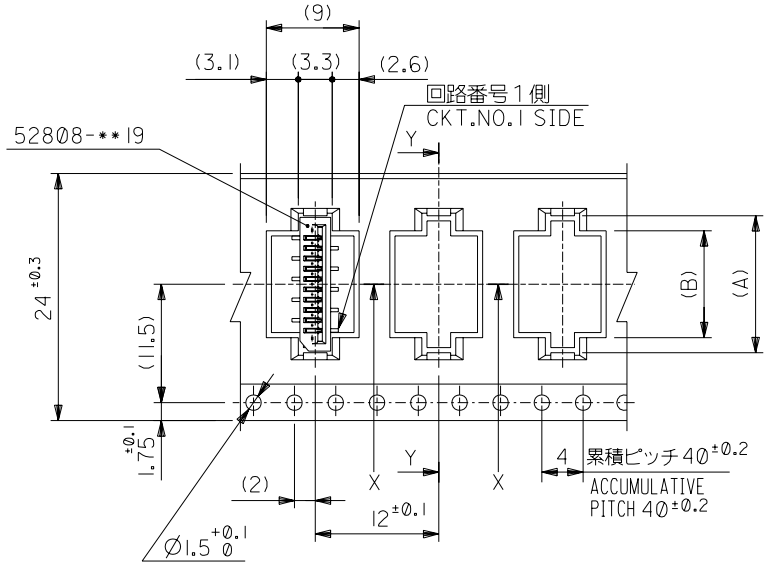
EN-0IC(032)MXJ-32

Downloaded from Elcodis.com electronic components distributor

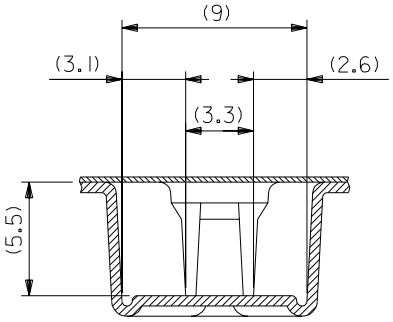
DWG. NO. SD-52808-028



SECT:Y-Y



引き出し方向
PULL OUT DIRECTION



SECT:X-X
(SCALE:4-1)

24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	極数 CKT.
52808-**70	24	25.5	10.4	13.3	52808-1070	10
			9.4	12.3	52808-0970	9
			8.4	11.3	52808-0870	8
			7.4	10.3	52808-0770	7
			6.4	9.3	52808-0670	6

角度 ANGLE	±3°
30以上 OVER	±0.3
10以上 30未満 OVER UNDER	±0.25
10未満 UNDER	±0.2

一般公差 GENERAL TOLERANCES

記号 LTR	変更内容 REVISION RECORD	DR. M.N / CHK. M.S	日付 DATE
0	新規作成 RELEASED (J2004-2528)	M.N / M.S	'04/02/19

材料 MATERIAL SHEET 1 OF 6 参照 REFER TO SHEET 1 OF 6
仕上げ FINISH //
適用電線範囲 WIRE RANGE //
被覆外径 INS. RANGE //

DRAWN BY '04/02/19 M.NABEI
CHK'D BY '04/02/19 M.SASAO
APP'D BY '04/02/19 M.SASAO
尺度 SCALE //

MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社

REVISE ONLY ON CAD SYSTEM

TITLE 名称
1.0 FFC Conn NON ZIF
SMT ST Embstp Pkg
-LEAD FREE-

DWG. NO. SD-52808-028 (SHEET 3 OF 6) REV 0

:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

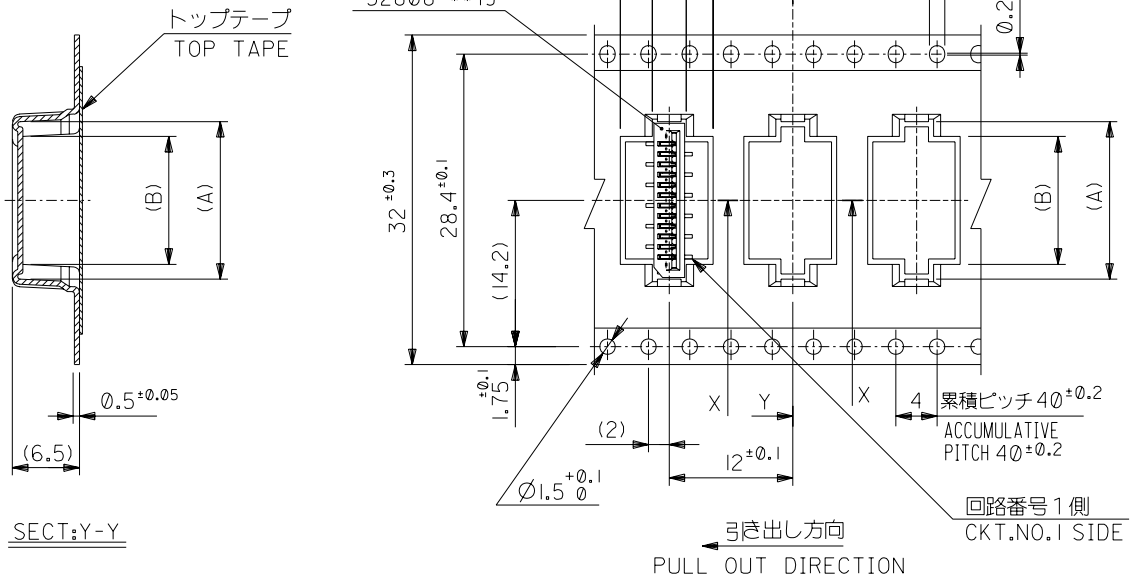
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX(JAPAN) AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
本図面は日本モレックス（株）の所有する情報を含むもので当社の許可なく複製を禁止する。

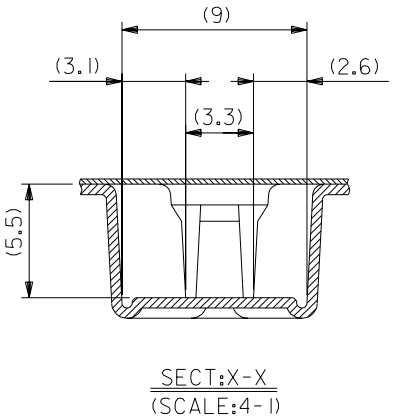
EN-0IC(032)MXJ-32

Downloaded from Elcodis.com electronic components distributor

DWG. NO. SD-52808-028

:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING





32mm幅キャリアテープ

32mm WIDTH CARRIER TAPE

MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	極数 CKT.
52808-**70	32	33.5	15.4	18.3	52808-1570	15
			14.4	17.3	52808-1470	14
			13.4	16.3	52808-1370	13
			12.4	15.3	52808-1270	12
			11.4	14.3	52808-1170	11

一般公差 GENERAL TOLERANCES		記号 LTR	変更内容 REVISION RECORD	DR.	日付 DATE
角度 ANGLE	±3°				
30以上 OVER	±0.3				
10以上 30未満 OVER UNDER	±0.25				
10未満 UNDER	±0.2	0	新規作成 RELEASED (J2004-2528)	M.N / M.S	'04/02/19

材料 MATERIAL SHEET 1 OF 6 参照 REFER TO SHEET 1 OF 6

仕上げ FINISH //

適用電線範囲 WIRE RANGE //

被覆外径 INS. RANGE

DRAWN BY '04/02/19 M.NABEI | CHK'D BY '04/02/19 M.SASAO

APP'D BY '04/02/19 M.SASAO | 尺度 SCALE //

molex MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社

REVISE ONLY ON CAD SYSTEM

TITLE 名称

1.0 FFC Conn NON ZIF SMT ST Embstp Pkg -LEAD FREE-

DWG. NO. SD-52808-028 (SHEET 4 OF 6) | REV 0

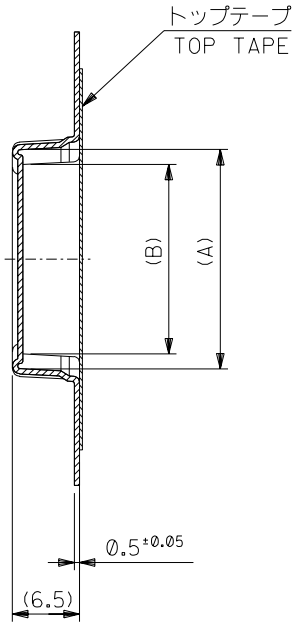
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX(JAPAN) AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
本図面は日本モレックス（株）の所有する情報を含むもので当社の許可なく複製を禁止する。

EN-0IC(032)MXJ-32

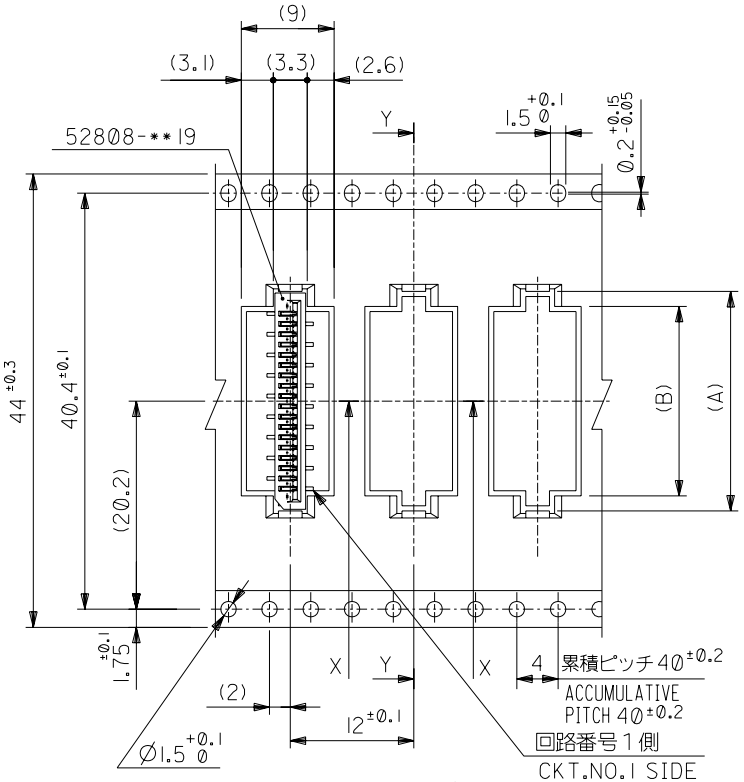
Downloaded from Elcodis.com electronic components distributor

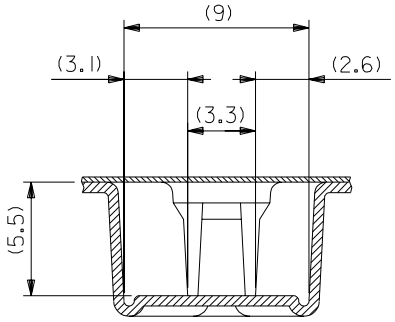
DWG. NO. SD-52808-028

:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING



SECT:Y-Y





SECT:X-X
(SCALE:4-1)

44mm幅キャリアテープ
44mm WIDTH CARRIER TAPE

MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	極数 CKT.
52808-**70	44	45.5	28.4	31.3	52808-2870	28
			27.4	30.3	52808-2770	27
			26.4	29.3	52808-2670	26
			25.4	28.3	52808-2570	25
			24.4	27.3	52808-2470	24
			23.4	26.3	52808-2370	23
			22.4	25.3	52808-2270	22
			21.4	24.3	52808-2170	21
			20.4	23.3	52808-2070	20
			19.4	22.3	52808-1970	19
			18.4	21.3	52808-1870	18
			17.4	20.3	52808-1770	17
			16.4	19.3	52808-1670	16

角度 ANGLE	±3°
30以上 OVER	±0.3
10以上 30未満 OVER UNDER	±0.25
10未満 UNDER	±0.2

一般公差 GENERAL TOLERANCES

LTR	REVISION RECORD	DR.	DATE
0	新規作成 RELEASED (J2004-2528)	M.N M.S	'04/02/19

記号 変更内容

材料 MATERIAL	SHEET 1 OF 6 参照 REFER TO SHEET 1 OF 6
仕上げ FINISH	//
適用電線範囲 WIRE RANGE	//
被覆外径 INS. RANGE	//

DRAWN BY '04/02/19 M.NABEI	CHK'D BY '04/02/19 M.SASAO
APP'D BY '04/02/19 M.SASAO	尺度 SCALE //

molex MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社

REVISE ONLY ON CAD SYSTEM

TITLE 名称
1.0 FFC Conn NON ZIF SMT ST Embstp Pkg -LEAD FREE-

DWG. NO. SD-52808-028 (SHEET 5 OF 6) REV 0

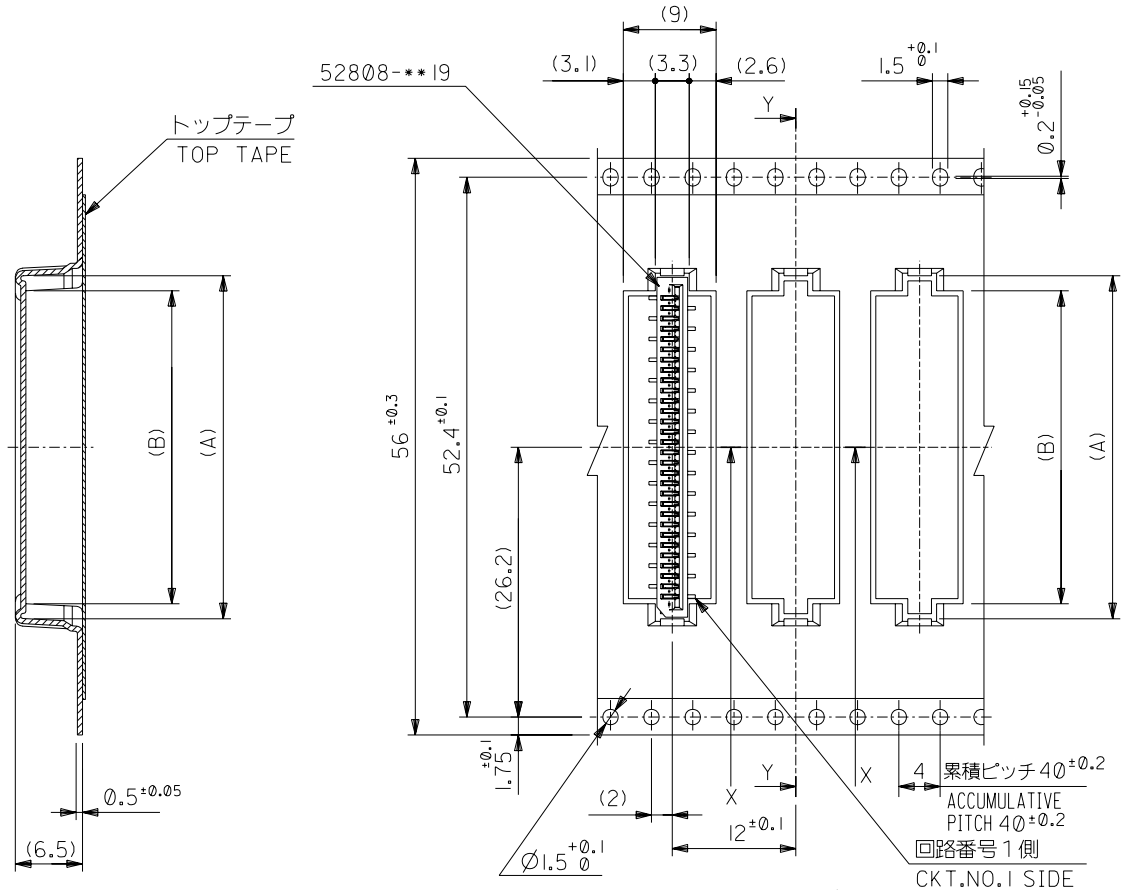
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX(JAPAN) AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
本図面は日本モレックス（株）の所有する情報を含むもので当社の許可なく複製を禁止する。

EN-0IC(032)MXJ-32

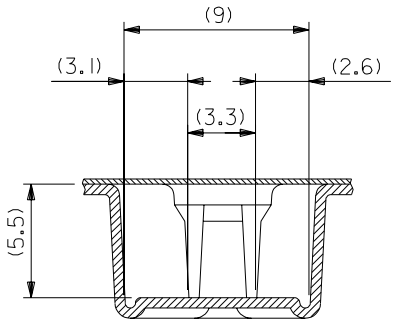
Downloaded from Elcodis.com electronic components distributor

DWG. NO. SD-52808-028

:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING



SECT:Y-Y



SECT:X-X
(SCALE:4-1)

56mm幅キャリアテープ
56mm WIDTH CARRIER TAPE

MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	極数 CKT.
52808-**70	56	57.5	30.4	33.3	52808-3070	30
			29.4	32.3	52808-2970	29

角度 ANGLE	±3°
30以上 OVER	±0.3
10以上 30未満 OVER UNDER	±0.25
10未満 UNDER	±0.2

一般公差 GENERAL TOLERANCES

記号 LTR	変更内容 REVISION RECORD	DR. CHK.	日付 DATE
0	新規作成 RELEASED (J2004-2528)	M.N M.S	'04/02/19

材料 MATERIAL SHEET 1 OF 6 参照
REFER TO SHEET 1 OF 6

仕上げ FINISH //

適用電線範囲 WIRE RANGE //

被覆外径 INS. RANGE //

DRAWN BY '04/02/19 M.NABEI	CHK'D BY '04/02/19 M.SASAO
APP'D BY '04/02/19 M.SASAO	尺度 SCALE //

MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社

REVISE ONLY ON CAD SYSTEM

TITLE 名称
1.0 FFC Conn NON ZIF SMT ST Embstp Pkg -LEAD FREE-

DWG. NO.	(SHEET 6 OF 6)	REV
SD-52808-028		0

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX(JAPAN) AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
本図面は日本モレックス（株）の所有する情報を含むもので当社の許可なく複製を禁止する。

EN-0IC(032)MXJ-32

Downloaded from Elcodis.com electronic components distributor