

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0511031100](#)
Status: **Active**
Description: 2.50mm (.098") Pitch Wire-to-Wire and Wire-to-Board Housing, Positive Lock, 11 Circuits

Documents:

3D Model	Product Specification PS-51103-007 (PDF)
Drawing (PDF)	Product Specification PS-51103-024 (PDF)
Product Specification PS-51103-001 (PDF)	Product Specification PS-51103-026 (PDF)
Product Specification PS-51103-002 (PDF)	Product Specification PS-51103-027 (PDF)
Product Specification PS-51103-005 (PDF)	Product Specification PS-51198-003 (PDF)
Product Specification PS-51103-006 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
TUV	R72081037
UL	E29179

General

Product Family	Crimp Housings
Series	51103
Product Name	N/A

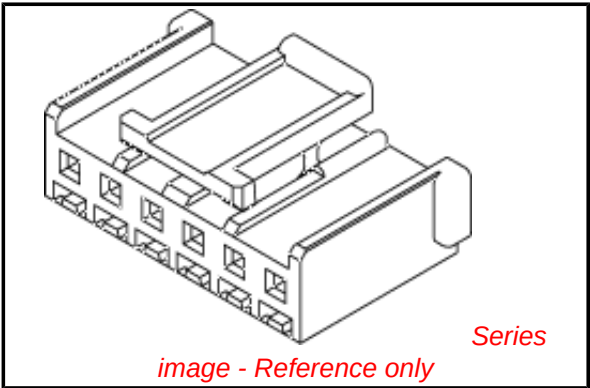
Physical

Circuits (maximum)	11
Color - Resin	Natural
Flammability	94V-0
Gender	Female
Glow-Wire Compliant	No
Material - Resin	Polyester
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface (in)	0.098 In
Pitch - Mating Interface (mm)	2.50 mm
Stackable	No
Temperature Range - Operating	-40°C to +105°C

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-51103-001
Product Specification	PS-51103-001, PS-51103-002, PS-51103-005, PS-51103-006, PS-51103-007, PS-51103-024, PS-51103-026, PS-51103-027, PS-51198-003, RPS-51103-001, RPS-51103-003, RPS-51103-009, RPS-51103-010, RPS-51103-011, RPS-51103-012, RPS-51103-018, RPS-51103-021, RPS-51103-022, RPS-51103-028, RPS-51103-030, RPS-51103-031, RPS-51103-032, RPS-51103-033, RPS-51103-034, RPS-51103-039, RPS-51103-041, RPS-51103-043, RPS-51103-044, RPS-51103-046, RPS-51103-047, RPS-51103-049, RPS-51103-050, RPS-51103-051, RPS-51103-056, RPS-51103-057, RPS-53375-001 SD-51103-020, SD-51103-021, SD-51103-023
Sales Drawing	



EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**Halogen-Free
Status**

China RoHS



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
[51103Series](#)

Mates With
[51198](#) , [53375](#) , [53426](#) , [53517](#) , [53608](#)

Use With
[50351](#) , [50752](#)

This document was generated on 05/24/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

DWG. NO. SD-51103-020

F

D

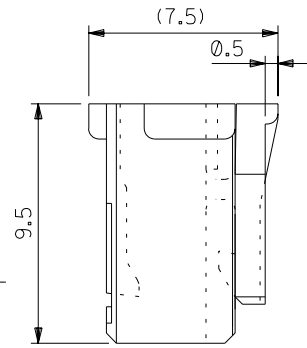
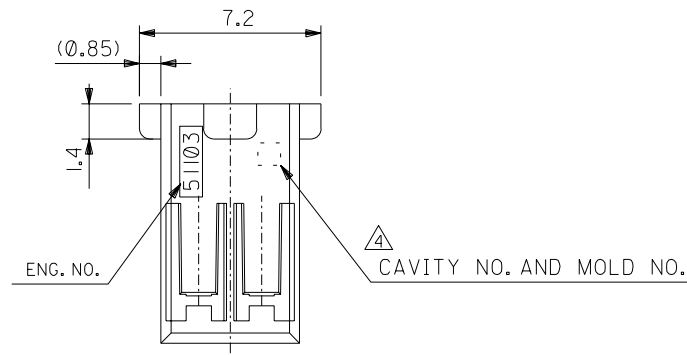
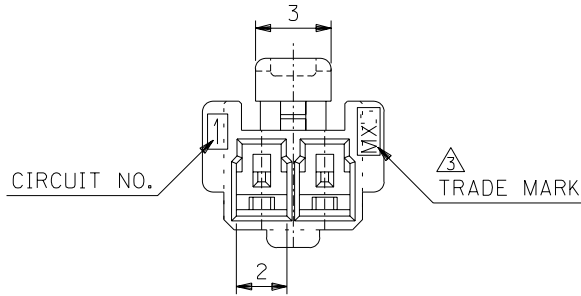
V

C

B

DO NOT SCALE DRAWING

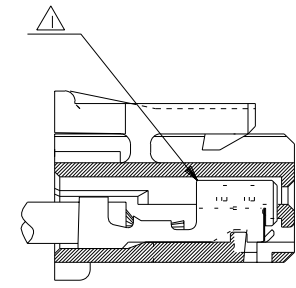
8 7 6 5 4 3 2 1



注記 NOTES

- 適合ターミナル：50351-8*00
APPLICABLE TERMINAL：50351-8*00
- 嵌合相手：53464 シリーズ
MATE WITH：53464 SERIES.
- MX Jと表示。
INDICATE MXJ.
- キャビティー番号：1桁～2桁の数字
金型番号：アルファベット1文字にて構成。(例. 1A, 10B)
FORMED BY 1 DIGIT TO 2 DIGIT NUMBERS (TO CAVITY NO.)
AND BY 1 LETTER OF ALPHABET (TO MOLD NO.).
(e.g. 1A, 10B)
- 製品番号の末尾は製品の色を示す
LAST NUMBER OF DWG.NO. MEANS PART COLLER.

51103-**25
色番号
COLLER CODE
5 蛍光灰色 GRAY



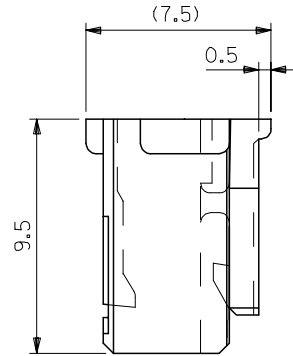
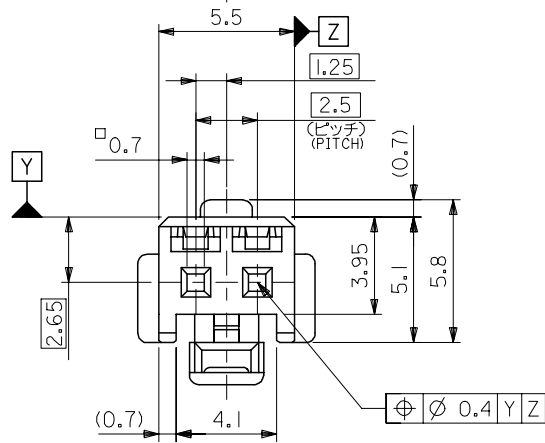
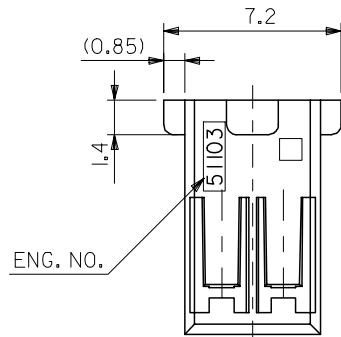
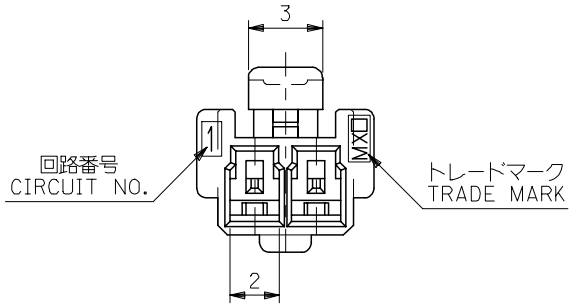
ターミナル装着状態図
TERMINAL ASSEMBLY DRAWING

51103-0225	2
MATERIAL NO.	NO. OF CIRCUIT

DIMENSIONS:	SHT	REV
☐ mm ☐ INCH ☒ mm ONLY		

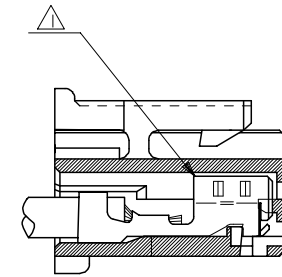
DRWN: CH'K: APPR:	DRWN: CH'K: APPR:	DRWN: CH'K: APPR:	DRWN: CH'K: APPR:	RELEASED '02/11/22 DWG NO. J2003-1451 DRWN: N.IITO CH'K: K.ASAKAWA APPR: T.YAMAGUCHI	MATERIAL 材料 POLYBUTYLENE TEREPHTHALATE UL94V-0	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	SCALE 5 : 1	DESIGN UNITS ☒ mm ☐ INCH	TERMINAL ANGLE PROJECTION	TITLE: 2.5 WIRE TO BOARD CONN. HOUSING (POSITIVE LOCK)	MATERIAL NO. SEE CHART	DRAWING NO. SD-51103-020	SHEET NO. 1 OF 1
REV	INS. RANGE 被覆外径	WIRE RANGE 適用電線範囲	FINISH 仕上げ	DESCRIPTION									
0													

8 7 6 5 4 3 2 1 EN-02J(097) MXJ-54



注記 NOTES

- △ 適合ターミナル : 50351-8*00
APPLICABLE TERMINAL : 50351-8*00
2. 嵌合相手 : 53375,53426 シリーズ
MATE WITH : 53375,53426 SERIES
- △ 偶数極の製品に適用。
APPLY EVEN CIRCUIT PRODUCTS.
4. 製品型番の下1桁は色を表す。
LAST DIGIT OF PART NUMBER INDICATES COLOR.
0 : 白 WHITE 1 : 黒 BLACK 2 : 赤 RED
3 : 黄 YELLOW 4 : 青 BLUE



ターミナル装着状態図
TERMINAL ASSEMBLY DRAWING

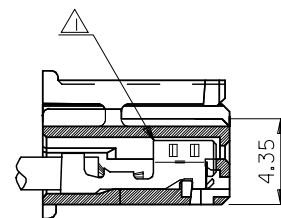
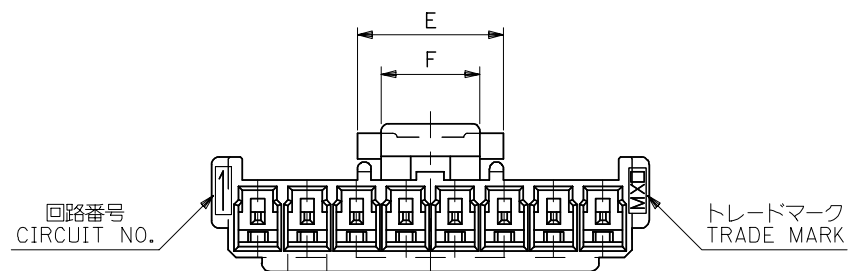
2極に適用
FOR 2 CKTS.

51103-020*	2
MATERIAL NO.	CIRCUIT

THIRD ANGLE PROJECTION

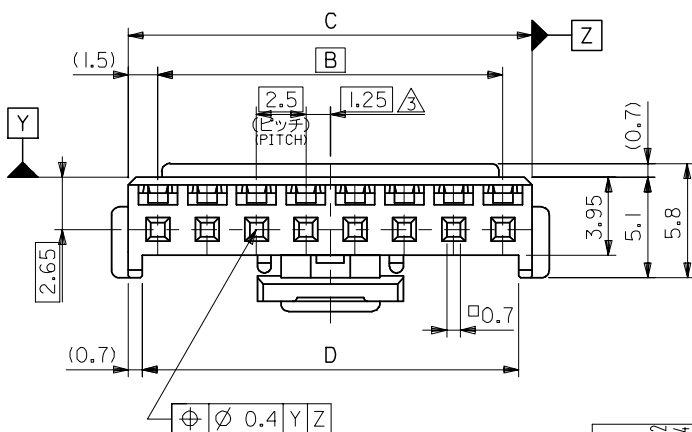
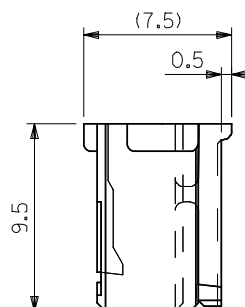
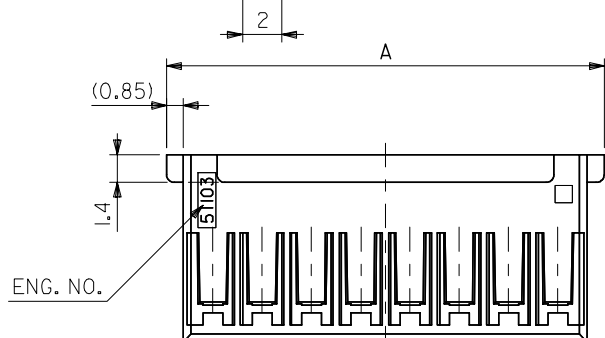
RELEASED EC NO: J2005-2009 DRWN:MUMEDA CHKD:KTOYODA APPR:NUKITA 0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY M.UMEDA	DATE 2005/01/14	TITLE 2.5 W/B CONN. HOUSING (POSITIVE LOCK)				
		10 OVER 30 UNDER	±0.25	CHECKED BY K.TOYODA	DATE 2005/01/14					
		30 OVER	±0.3	APPROVED BY N.UKITA	DATE 2005/01/14	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-51103-021		1 OF 2			
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

10 9 8 7 6 5 4 3 2 1

ターミナル装着状態図
TERMINAL ASSEMBLY DRAWING

注記 NOTES

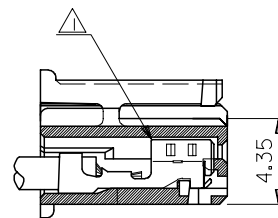
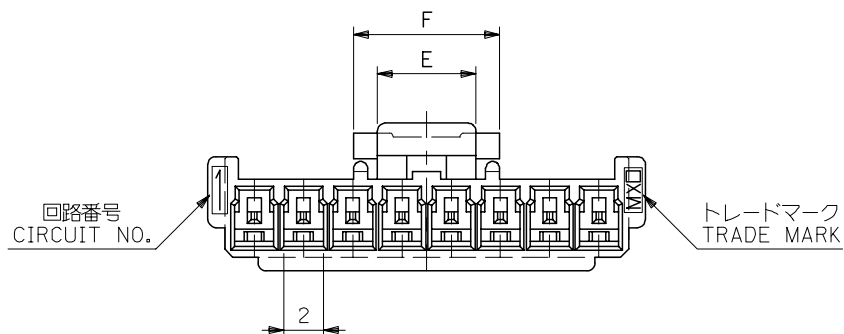
- △ 適合ターミナル : 5035I-8*00
APPLICABLE TERMINAL : 5035I-8*00
2. 嵌合相手 : 53375,53426 シリーズ
MATE WITH : 53375,53426 SERIES
- △ 偶数極の製品に適用。
APPLY EVEN CIRCUIT PRODUCTS.
4. 製品型番の下1桁は色を表す。
LAST DIGIT OF PART NUMBER INDICATES COLOR.
0 : 白 WHITE 1 : 黒 BLACK 2 : 赤 RED
3 : 黄 YELLOW 4 : 青 BLUE

3-15 極に適用
FOR 3-15 CKTS.

5	7.4	36.6	38	35	39.7	51103-150*	15
↑	↑	34.1	35.5	32.5	37.2	↑ -140*	14
		31.6	33	30	34.7	↑ -130*	13
		29.1	30.5	27.5	32.2	↑ -120*	12
		26.6	28	25	29.7	↑ -110*	11
		24.1	25.5	22.5	27.2	↑ -100*	10
		21.6	23	20	24.7	↑ -090*	9
		19.1	20.5	17.5	22.2	↑ -080*	8
		16.6	18	15	19.7	↑ -070*	7
		14.1	15.5	12.5	17.2	↑ -060*	6
		11.6	13	10	14.7	↑ -050*	5
5	7.4	9.1	10.5	7.5	12.2	↓ -040*	4
3	5	6.6	8	5	9.7	↓ 51103-030*	3
F	E	D	C	B	A	MATERIAL NO.	CIRCUIT

RELEASED EC NO: J2005-2009 DRAWN:MUMEDA CHKD:KTOYODA APPR:NUKITA 0	DESCRIPTION 2005/02/02 2005/02/04 2005/02/14	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M.UMEDA	DATE 2005/01/14	TITLE 2.5 W/B CONN. HOUSING (POSITIVE LOCK)				
		10 OVER 30 UNDER	± 0.25	CHECKED BY KTOYODA	DATE 2005/01/14					
		30 OVER	± 0.3	APPROVED BY N. UKITA	DATE 2005/01/14	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-51103-021		2 OF 2		
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

10 9 8 7 6 5 4 3 2 1

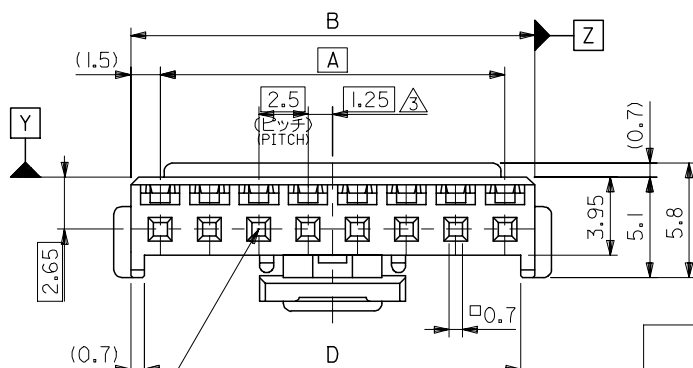
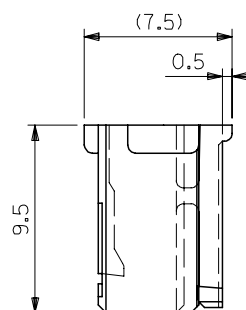
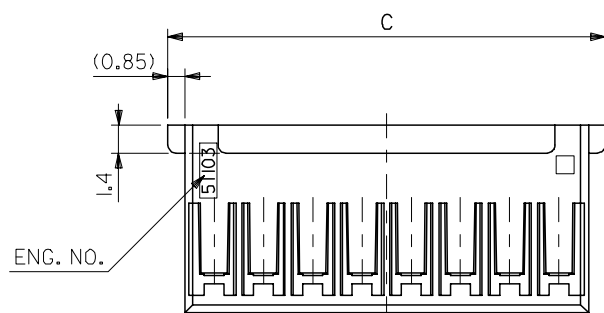


ターミナル装着状態図
TERMINAL ASSEMBLY DRAWING

注記 NOTES

- △ 適合ターミナル : 50351-8*00
APPLICABLE TERMINAL : 50351-8*00
2. 嵌合相手 : 53375,53376,53388,53389
53426 シリーズ
MATE WITH : 53375,53376,53388,53389
53426 SERIES
△ 偶数極の製品に適用。
APPLY EVEN CIRCUIT PRODUCTS.

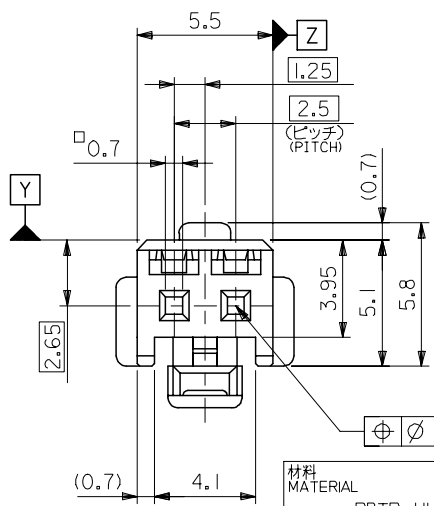
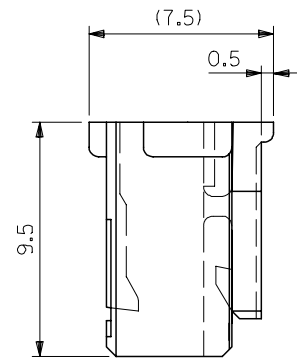
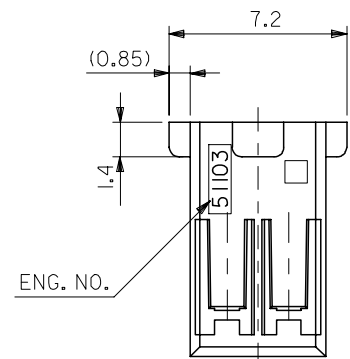
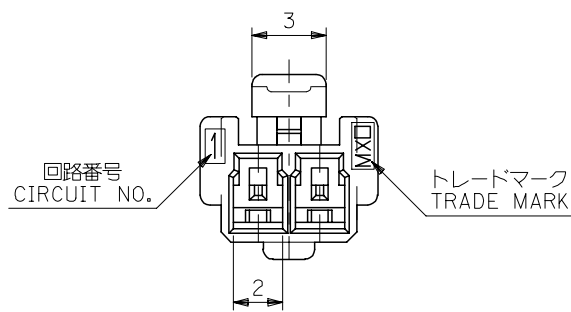
3-15 極に適用
FOR 3-15 CKTS.



7.4	5	36.6	39.7	38	35	51103-1500	15
↑	↑	34.1	37.2	35.5	32.5	↑ -1400	14
		31.6	34.7	33	30	↑ -1300	13
		29.1	32.2	30.5	27.5	↑ -1200	12
		26.6	29.7	28	25	↑ -1100	11
		24.1	27.2	25.5	22.5	↑ -1000	10
		21.6	24.7	23	20	↑ -0900	9
		19.1	22.2	20.5	17.5	↑ -0800	8
		16.6	19.7	18	15	↑ -0700	7
		14.1	17.2	15.5	12.5	↑ -0600	6
↓	↓	11.6	14.7	13	10	↑ -0500	5
7.4	5	9.1	12.2	10.5	7.5	↑ -0400	4
5	3	6.6	9.7	8	5	51103-0300	3
F	E	D	C	B	A	MATERIAL NO.	極数 NO. OF CKT.

REVISED EC NO: J2005-3799 DRWN: NABEI CHKD: KTOYODA APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY T. ITO	DATE '92/05/06	TITLE 2.5 WIRE TO BOARD CONN HOUSING (POSITIVE LOCK)				
		10 OVER 30 UNDER	±0.25	CHECKED BY H. HIRAMOTO	DATE '95/10/03					
		30 OVER	±0.3	APPROVED BY M. FUKUSHIMA	DATE '95/10/03	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-51103-023		1 OF 2		
REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

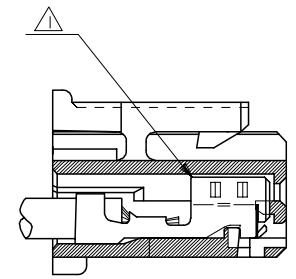
材料 MATERIAL	PBTP, UL94V-0 (白色 WHITE)
仕上げ FINISH	—
適用電線範囲 WIRE RANGE	—
被覆外径 INS. RANGE	—



材料 MATERIAL	PBTP, UL94V-0 (白色 WHITE)
仕上げ FINISH	—
適用電線範囲 WIRE RANGE	—
被覆外径 INS. RANGE	—

注記 NOTES

- △ 適合ターミナル : 5035I-8*00
APPLICABLE TERMINAL : 5035I-8*00
2. 嵌合相手 : 53375,53426 シリーズ
MATE WITH : 53375,53426 SERIES



ターミナル装着状態図
TERMINAL ASSEMBLY DRAWING

2 極に適用
FOR 2 CKTS.

51103-0200	2
MATERIAL NO.	極数 NO. OF CKT.

REVISED EC NO: J2005-3799 DRWN: NABEJ CHKD: KTOYODA APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
				MM ONLY		5:1	METRIC				
		10 UNDER	±0.2	DRAWN BY	DATE	TITLE 2.5 WIRE TO BOARD CONN HOUSING (POSITIVE LOCK)					
		10 OVER 30 UNDER	±0.25	CHECKED BY	DATE						
		30 OVER	±0.3	H. HIRAMOTO	'95/10/03						
				APPROVED BY		DATE	MOLEX MOLEX INCORPORATED				
				M. FUKUSHIMA		'95/10/03					
ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.					SHEET NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-51103-023					2 OF 2		
REV				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						