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one company > a world of innovation

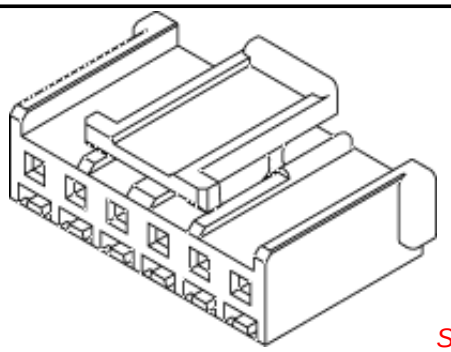
This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0511030700

Status: Active

Description: 2.50mm (.098") Pitch Wire-to-Wire and Wire-to-Board Housing, Positive Lock, 7 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-51103-001 (PDF)
Product Specification PS-51103-002 (PDF)
Product Specification PS-51103-005 (PDF)
Product Specification PS-51103-006 (PDF)
Product Specification PS-51103-007 (PDF)
Product Specification PS-51103-024 (PDF)
Product Specification PS-51103-025 (PDF)
Product Specification PS-51103-026 (PDF)
Product Specification PS-51103-027 (PDF)
Product Specification PS-51198-003 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
TUV	R72081037
UL	E29179

General

Product Family	Crimp Housings
Series	51103
MolexKits	Yes
Product Name	N/A

Physical

Circuits (maximum)	7
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-51103-025, 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-51103-027, 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-51103-050, RPS-51103-051, RPS-51103-056, RPS-51103-057, RPS-53375-001

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Not Halogen-Free

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.

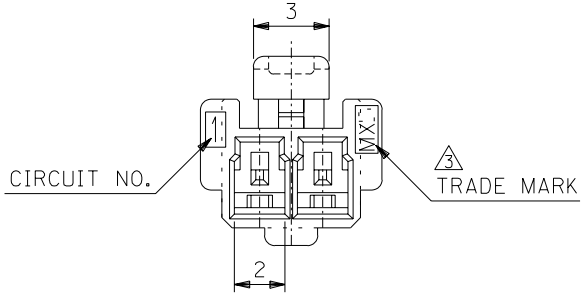
Search Parts in this Series
51103Series

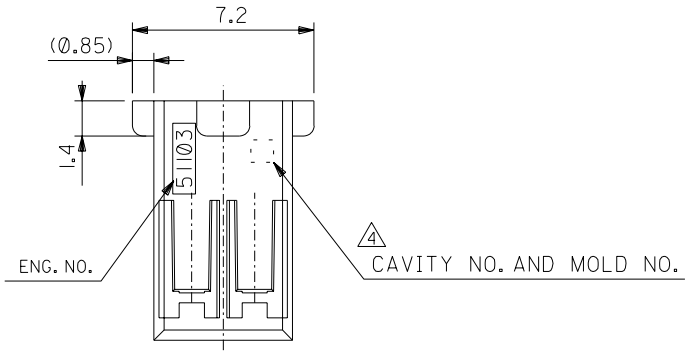
Mates With
51198 , 53375 , 53426 , 53517 , 53608

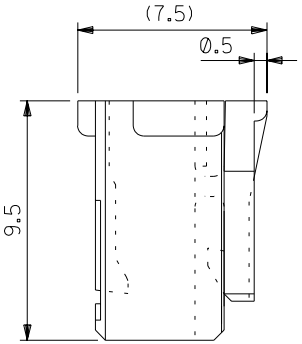
Use With
50351 , 50752

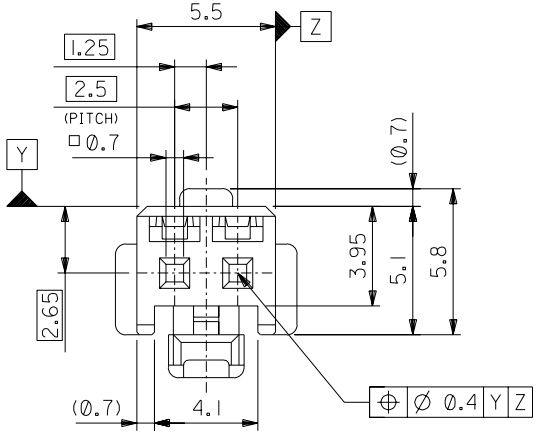
This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION









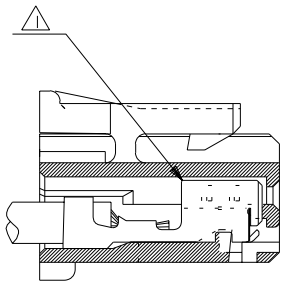
注記 NOTES

1. 適合ターミナル：50351-8*00
   APPLICABLE TERMINAL : 50351-8*00
2. 嵌合相手：53464 シリーズ
   MATE WITH : 53464 SERIES.
3. MXJと表示。
   INDICATE MXJ.
4. 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)
5. 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: ☐mm/INCH ☐INCH/mm ☒mm ONLY

SHT	REV
1	A

REVISE ON CAD ONLY

DO NOT SCALE DRAWING

04 NO. DRWN: CH'K: APPR:	03 NO. DRWN: CH'K: APPR:	02 NO. DRWN: CH'K: APPR:	01 NO. DRWN: CH'K: APPR:	RELEASED '02/11/22	DESCRIPTION
				00 NO. J20003-1451 DRWN: N.ITO CH'K: K.ASAKAWA APPR: T.YAMAGUCHI	
				0	REV

MATERIAL 材料: POLYBUTYLENE TEREPHTHALATE UL94V-0

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 5 : 1

DESIGN UNITS ☒mm ☐INCH

THIRD ANGLE PROJECTION

DRAWN BY & DATE: N.ITO '02/11/22

CHECKED BY & DATE: K.ASAKAWA '02/11/22

APPROVED BY & DATE: T.YAMAGUCHI '02/11/22

CAD FILENAME: SD-51103-020.S01

TITLE:
2.5 WIRE TO BOARD CONN.
HOUSING (POSITIVE LOCK)

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART

DRAWING NO.: SD-51103-020

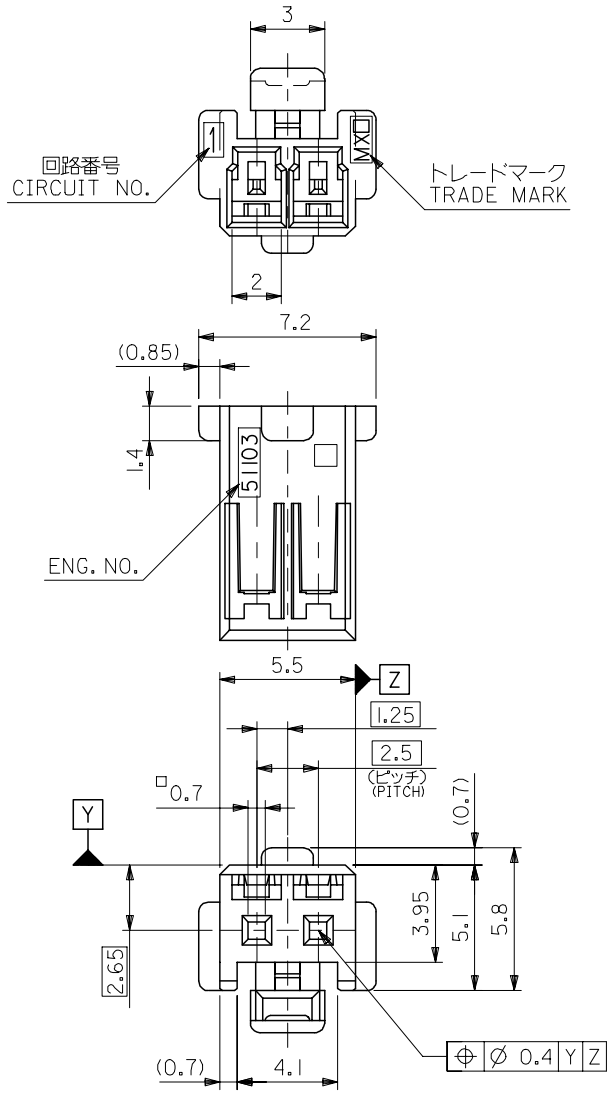
SHEET NO.: 1 OF 1

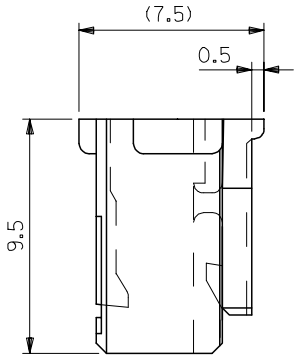
SIZE: B

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EN-02J(097) MXJ-54

SD-51103-020.S01 A





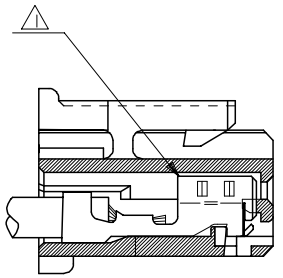
注記 NOTES

⚠1 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

⚠3 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

RELEASED
EC NO: J2005-2009
DRWN:M.UMEDA 2005/02/02
CHKD:K.TOYODA 2005/02/04
APPR:N.UKITA 2005/02/14
DESCRIPTION
REV 0

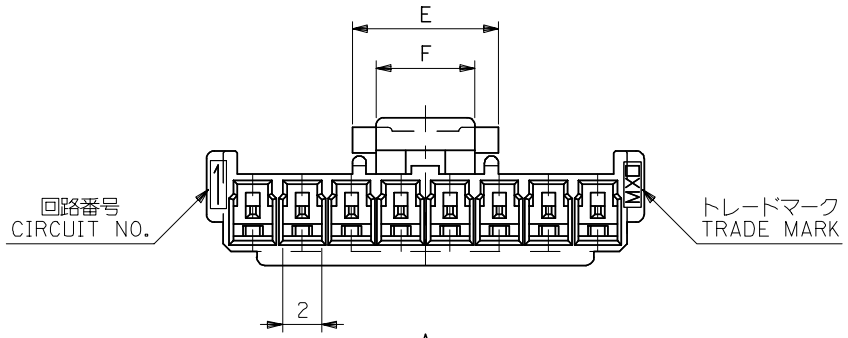
GENERAL TOLERANCES (UNLESS SPECIFIED)

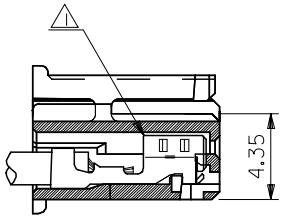
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	M.UMEDA
DATE	2005/01/14
CHECKED BY	K.TOYODA
DATE	2005/01/14
APPROVED BY	N.UKITA
DATE	2005/01/14
TITLE	2.5 W/B CONN. HOUSING (POSITIVE LOCK)
	MOLEX INCORPORATED
MATERIAL NO.	SEE CHART
DOCUMENT NO.	SD-51103-021
SHEET NO.	1 OF 2

SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

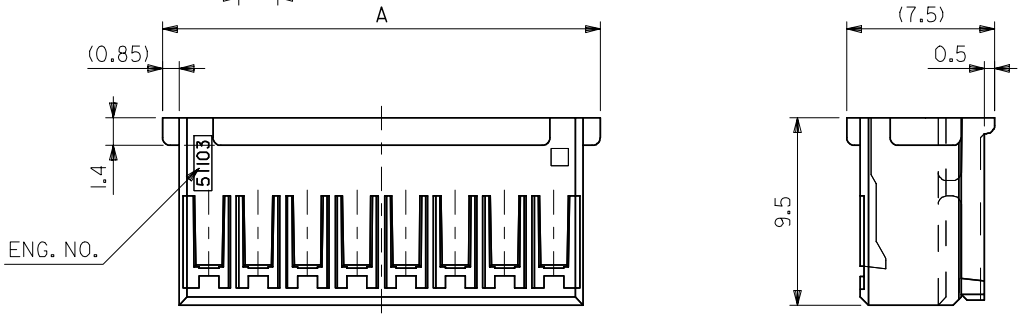




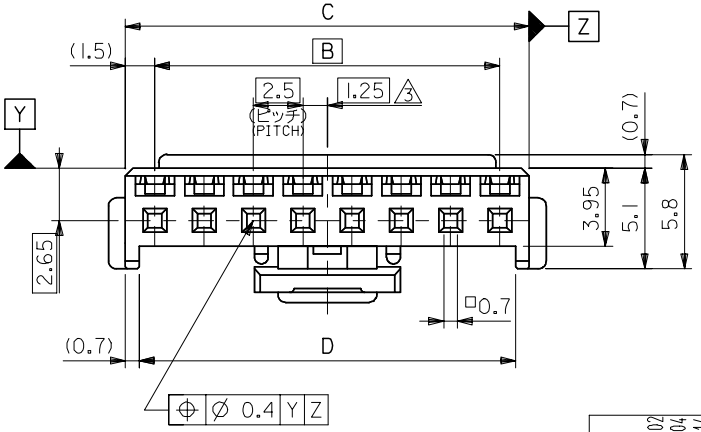
ターミナル装着状態図
TERMINAL ASSEMBLY DRAWING

注記 NOTES

1. 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
3. 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
DRWN:MUMEDA 2005/02/02
CHKD:KTOYODA 2005/02/04
APPR:NUKITA 2005/02/14
DESCRIPTION
REV 0

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.UMEDA DATE: 2005/01/14
CHECKED BY: KTOYODA DATE: 2005/01/14
APPROVED BY: N.UKITA DATE: 2005/01/14
MATERIAL NO.: SEE CHART

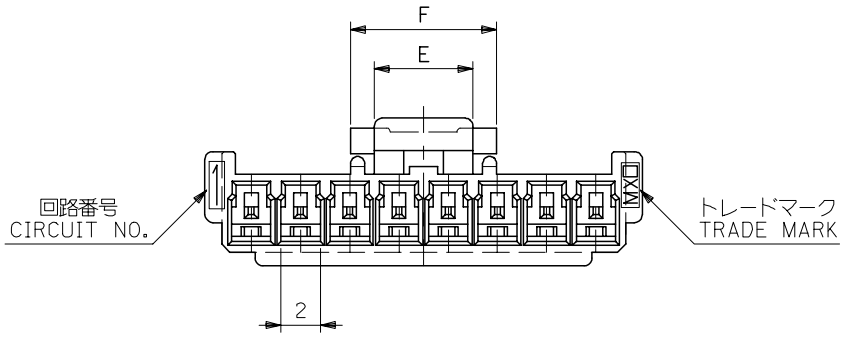
TITLE: 2.5 W/B CONN. HOUSING (POSITIVE LOCK)

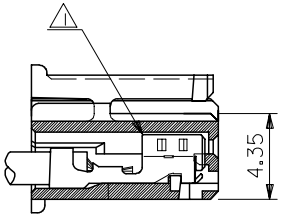
MOLEX INCORPORATED

DOCUMENT NO.: SD-51103-021
SHEET NO.: 2 OF 2

SIZE A3

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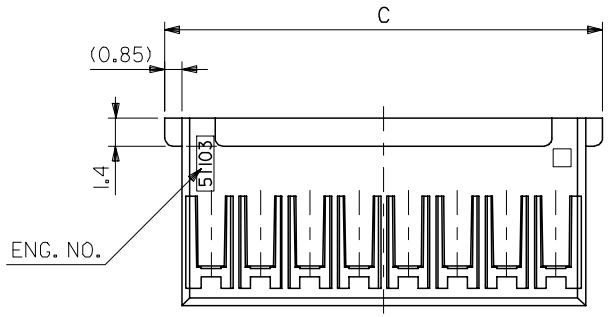


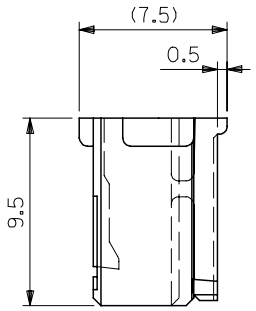


ターミナル装着状態図
TERMINAL ASSEMBLY DRAWING

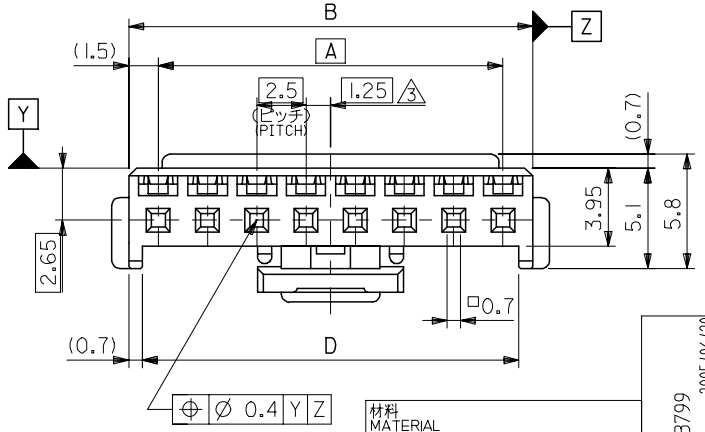
注記 NOTES

1. 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
3. 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.

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 —#—

REVISED
EC NO: J2005-3799 2005/06/20
DRWN:MNABEI 2005/06/21
CHKD:KTOYODA
APPR:NUKITA 2005/06/27
DESCRIPTION
REV
E

GENERAL TOLERANCES (UNLESS SPECIFIED)

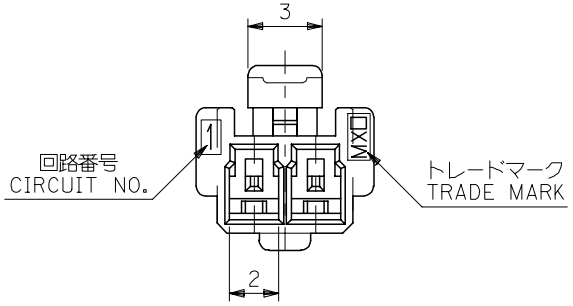
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

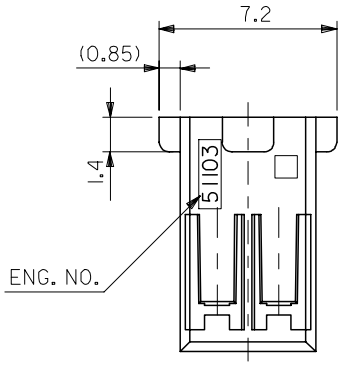
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

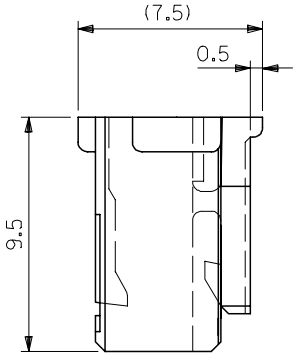
DIMENSION STYLE: MM ONLY	SCALE: 4:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: T.ITO DATE: '92/05/06	TITLE: 2.5 WIRE TO BOARD CONN HOUSING (POSITIVE LOCK)		
CHECKED BY: H.HIRAMOTO DATE: '95/10/03			
APPROVED BY: M.FUKUSHIMA DATE: '95/10/03	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE CHART	DOCUMENT NO.: SD-51103-023	SHEET NO.: 1 OF 2	

SIZE A3

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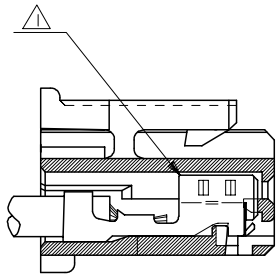




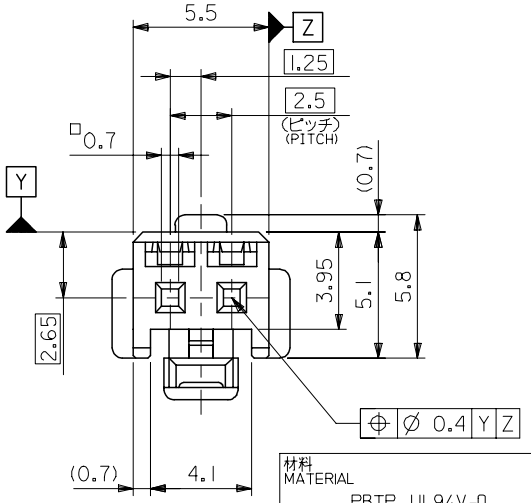
注記 NOTES

⚠ 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



ターミナル装着状態図
TERMINAL ASSEMBLY DRAWING



2極に適用
FOR 2 CKTS.

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	#

REVISED
E
EC NO: J2005-3799 2005/06/20
DRWN:MNABEI 2005/06/21
CHKD:KTOYODA 2005/06/27
APPR:NUKITA
DESCRIPTION
REV

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	5:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	T.ITO '92/05/06
CHECKED BY / DATE	H.HIRAMOTO '95/10/03
APPROVED BY / DATE	M.FUKUSHIMA '95/10/03
MATERIAL NO.	SEE CHART
TITLE	2.5 WIRE TO BOARD CONN HOUSING (POSITIVE LOCK)
	molex MOLEX INCORPORATED
DOCUMENT NO.	SD-51103-023
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

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