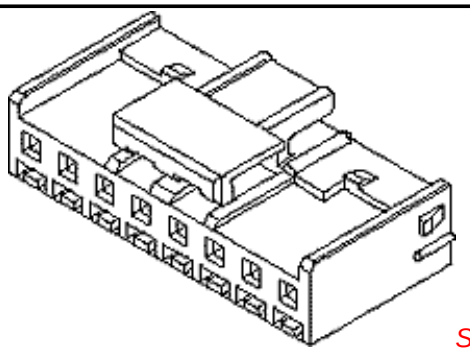
This document was generated on 03/15/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0511631400

Status: Active

Description: 2.50mm (.098") Pitch Wire-to-Board Receptacle Housing, Positive Lock, With Retainer, 14 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-51163-001 (PDF)
Product Specification PS-51163-002 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Crimp Housings
Series	51163
Product Name	N/A

Physical

Circuits (maximum)	14
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

Product Specification	PS-51163-001, PS-51163-002, RPS-51103-047, RPS-51103-050, RPS-51163-001, RPS-51163-002, RPS-51163-003
Sales Drawing	SD-51163-**00, SD-51163-001

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

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.

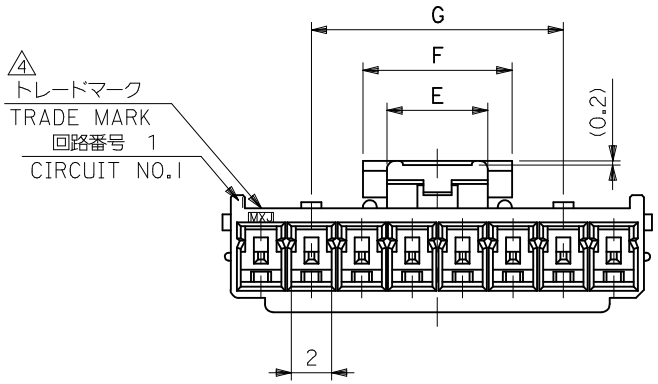
Search Parts in this Series
51163Series

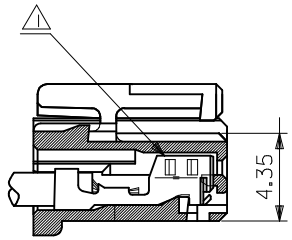
Mates With
53375 , 53426

Use With
50351 , 50752 , 51164

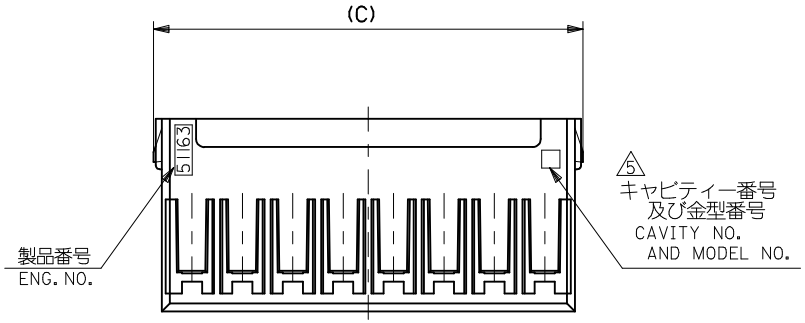
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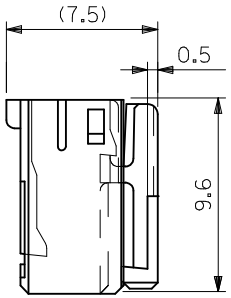
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

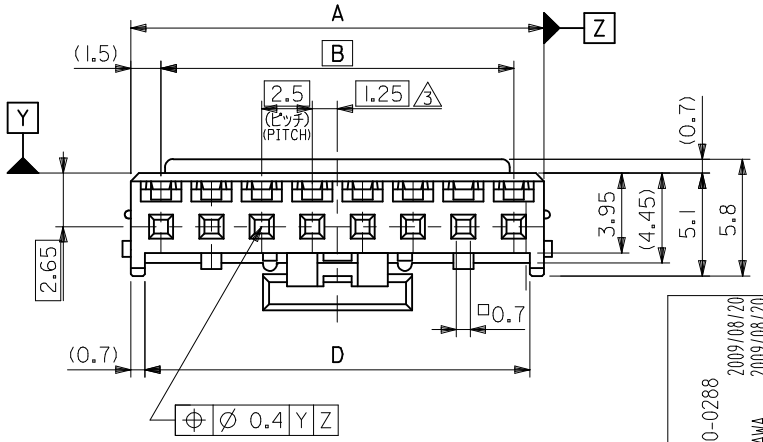




ターミナル装着状態図
TERMINAL ASSEMBLY DRAWING







G	F	E	D	(C)	B	A	MATERIAL AND ORDER No. 6	CIRCUIT No.
12.5	7.4	5	36.6	38.8	35	38	51163-158*	15
			34.1	36.3	32.5	35.5	-148*	14
			31.6	33.8	30	33	-138*	13
			29.1	31.3	27.5	30.5	-128*	12
			26.6	28.8	25	28	-118*	11
			24.1	26.3	22.5	25.5	-108*	10
			21.6	23.8	20	23	-098*	9
12.5			19.1	21.3	17.5	20.5	-088*	8
			16.6	18.8	15	18	-078*	7
			14.1	16.3	12.5	15.5	-068*	6
			11.6	13.8	10	13	-058*	5
	7.4	5	9.1	11.3	7.5	10.5	-048*	4
	5	3	6.6	8.8	5	8	51163-038*	3

REVISED
EC NO: J2010-0288 2009/08/20
DRWN:YGOTO 2009/08/20
CH'KD:KASAKAWA 2009/08/24
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	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	K.HARADA 1997/10/2
CHECKED BY / DATE	T.ITO 1997/11/12
APPROVED BY / DATE	M.FUKUSHIMA 1997/11/12
MATERIAL NO.	ENTER PART
SIZE	A3

TITLE: 2.5 W/B CONN HSG (POSITIVE LOCK)

MOLEX INCORPORATED

DOCUMENT NO.: SD-51163-**00

SHEET NO.: 1 OF 2

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

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. トレードマーク：Mプラス １ ～ ２ 文字のアルファベットにて構成．（例　ＭＸＪ）
   但し〝Ｊ〟はＪＡＰＡＮを示す。
   FORMED BY M AND 1 ~ 2 MORE LETTER OF ALPHABET (e.g. MXJ)
   (TO TRADE MARK), BUT "J" SHOW JAPAN.
5. 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)
6. MATERIAL AND ORDER No.

   51163-**00
   極数
   CIRCUIT SIZE

7. 材料：PBT, UL 94V-0
8. 色：白 WHITE (NATURAL)

PRE-RELEASE REFERENCE USE ONLY

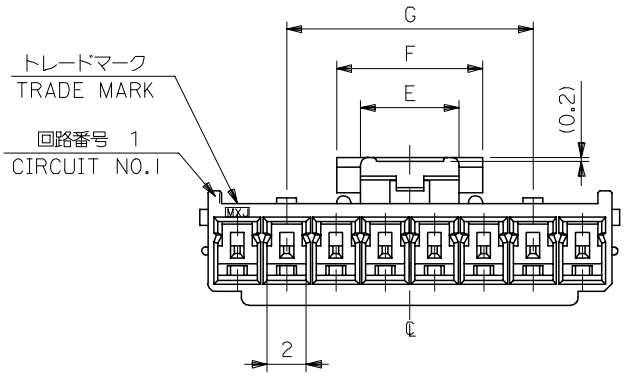
REVISED
EC NO:
DRWN:YGOTO 2009/08/20
CH'KD:KASAKAWA
APPR:
DESCRIPTION
REV

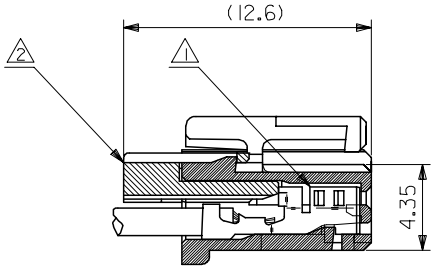
GENERAL TOLERANCES (UNLESS SPECIFIED)

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: 4:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: K.HARADA DATE: 1997/10/2	TITLE: 2.5 W/B CONN HSG (POSITIVE LOCK)		
CHECKED BY: T.ITO DATE: 1997/11/12			
APPROVED BY: M.FUKUSHIMA DATE: 1997/11/12	molex MOLEX INCORPORATED		
MATERIAL NO.: ENTER PART	DOCUMENT NO.: SD-51163-**00	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		

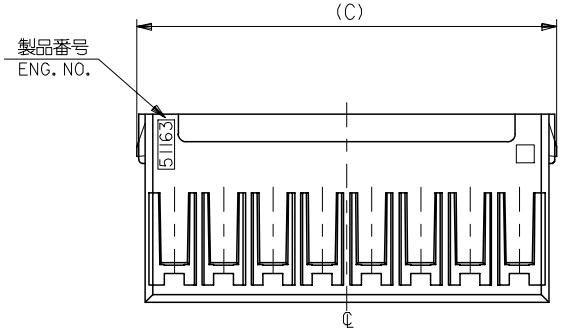


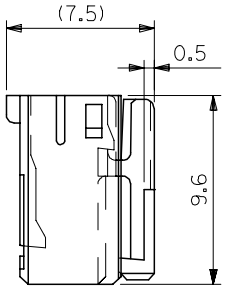


ターミナル及びリテーナー装着状態図
TERMINAL AND RETAINER ASSEMBLY DRAWING

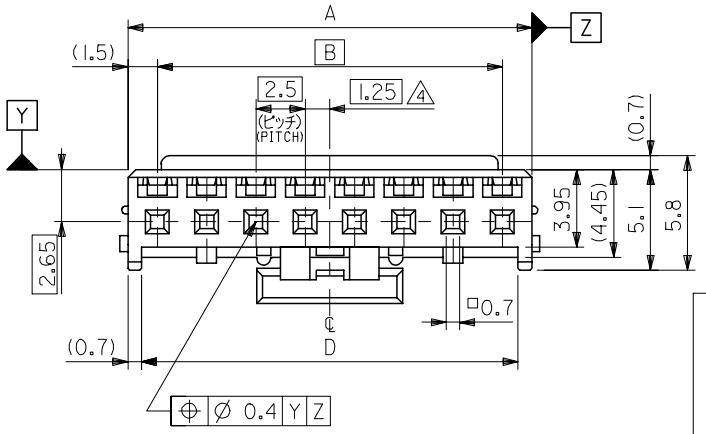
注記 NOTES

1. 適合ターミナル：50752-8*00
   APPLICABLE TERMINAL : 50752-8*00
2. 適合リテーナー：51164-**05
   APPLICABLE RETAINER : 51164-**05
3. 嵌合相手：53375,53376,53388,53389,53426 シリーズ
   MATE WITH : 53375,53376,53388,53389,53426 SERIES
4. 偶数極の製品に適用。
   APPLY EVEN CIRCUIT PRODUCTS.





3-15 極に適用
FOR 3-15 CKTS.



G	F	E	D	(C)	B	A	青 BLUE	赤 RED	黒 BLACK	白 NATURAL	COLOR
12.5	7.4	5	36.6	38.8	35	38	51163-1504	51163-1502	51163-1501	51163-1500	15
12.5	↑	↑	34.1	36.3	32.5	35.5	-1404	-1402	-1401	-1400	14
12.5			31.6	33.8	30	33	-1304	-1302	-1301	-1300	13
12.5			29.1	31.3	27.5	30.5	-1204	-1202	-1201	-1200	12
12.5			26.6	28.8	25	28	-1104	-1102	-1101	-1100	11
12.5			24.1	26.3	22.5	25.5	-1004	-1002	-1001	-1000	10
12.5			21.6	23.8	20	23	-0904	-0902	-0901	-0900	9
12.5			19.1	21.3	17.5	20.5	-0804	-0802	-0801	-0800	8
			16.6	18.8	15	18	-0704	-0702	-0701	-0700	7
			14.1	16.3	12.5	15.5	-0604	-0602	-0601	-0600	6
	↓	↓	11.6	13.8	10	13	-0504	-0502	-0501	-0500	5
	7.4	5	9.1	11.3	7.5	10.5	-0404	-0402	-0401	-0400	4
	5	3	6.6	8.8	5	8	51163-0304	51163-0302	51163-0301	51163-0300	3

REVISED
EC NO: J2005-1394 2004/11/09
DRWN:SASAMOR 2004/11/10
CHKD:K.TOJO 2004/11/18
APPR:NUKITA
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

MATERIAL
PBTP, UL94V-0
SEE CHART

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	J.SASAMO	DATE 2004/8/31
CHECKED BY	K.TOJO	DATE 2004/8/31
APPROVED BY	N.UKITA	DATE 2004/8/31

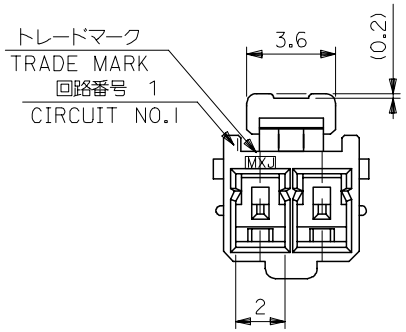
TITLE: 2.5 WIRE TO BORAD CONN. HOUSING (POSITIVE LOCK) WITH RETAINER

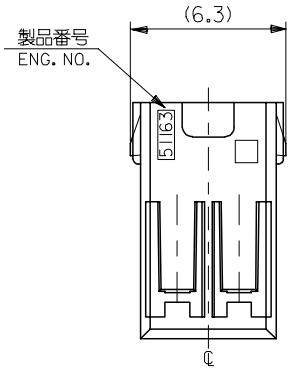
MOLEX INCORPORATED

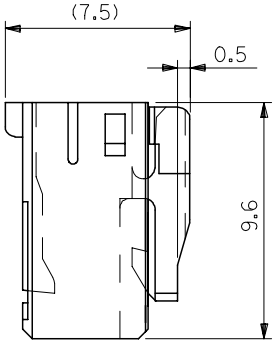
MATERIAL NO. 51163-**0*
DOCUMENT NO. SD-51163-001
SHEET NO. 1 OF 2

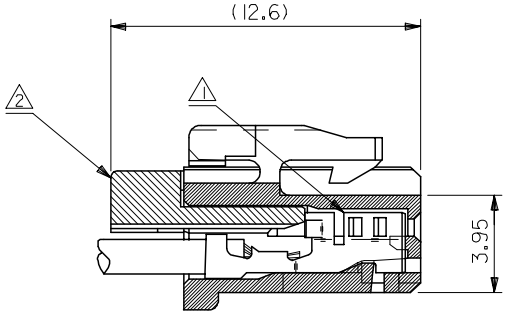
SIZE A3

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





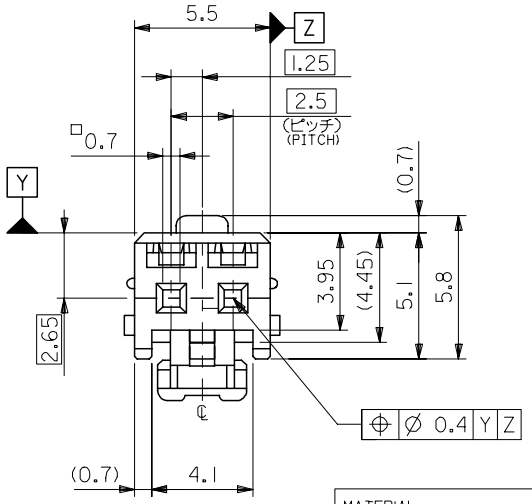




ターミナル及びリテーナー装着状態図
TERMINAL AND RETAINER ASSEMBLY DRAWING

注記 NOTES

1. 適合ターミナル：50752-8*00
   APPLICABLE TERMINAL : 50752-8*00
2. 適合リテーナー：51164-**05
   APPLICABLE RETAINER : 51164-**05
3. 嵌合相手：53375,53426 シリーズ
   MATE WITH : 53375,53426 SERIES



2極に適用
FOR 2 CKTS.

青	BLUE	51163-0204	2
赤	RED	51163-0202	
黒	BLACK	51163-0201	
白	NATURAL	51163-0200	
COLOR MATERIAL NO.		MATERIAL NO.	NO. OF CKT.

MATERIAL
PBTP, UL94V-0
SEE CHART

REVISED
EC NO: J2005-1394 2004/11/09
DRWN:SASAMOR 2004/11/10
CHKD:K.TOJO 2004/11/18
APPR:NUKITA
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: 5:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: J.SASAMO	DATE: 2004/8/31	TITLE: 2.5 WIRE TO BORAD CONN. HOUSING (POSITIVE LOCK) WITH RETAINER	
CHECKED BY: K.TOJO	DATE: 2004/8/31		
APPROVED BY: N.UKITA	DATE: 2004/8/31	molex MOLEX INCORPORATED	
MATERIAL NO.: 51163-**0*		DOCUMENT NO.: SD-51163-001	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		