

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0511630300](#)
Status: **Active**
Description: 2.50mm (.098") Pitch Wire-to-Board Receptacle Housing, Positive Lock, With Retainer, 3 Circuits

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

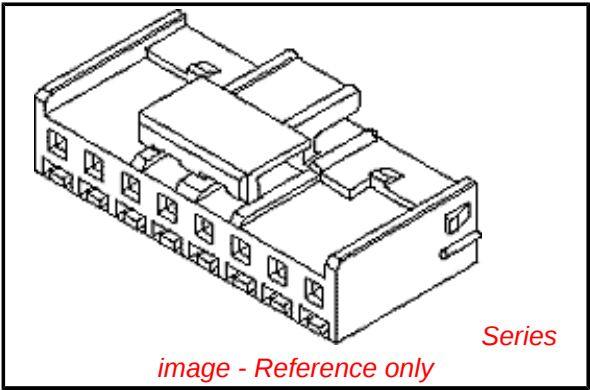
Physical

Circuits (maximum) 3
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

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

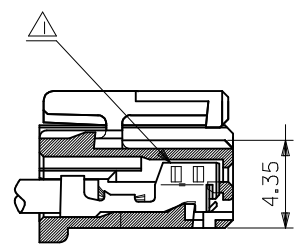
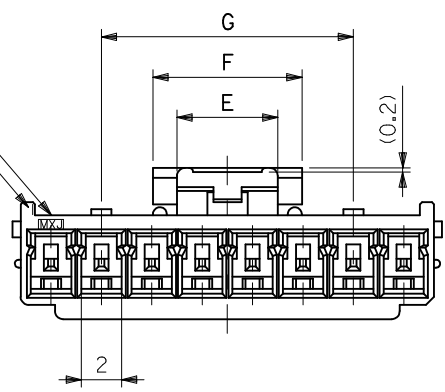
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[51163Series](#)

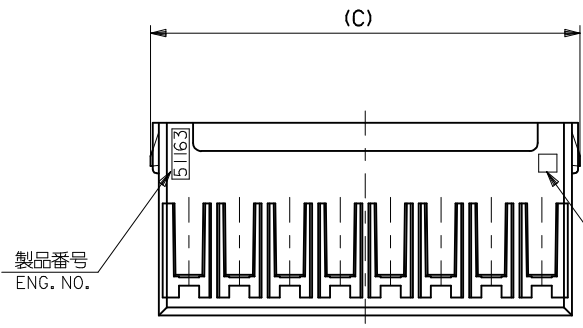
Mates With
[53375](#) , [53426](#)

Use With
[50351](#) , [50752](#) , [51164](#)

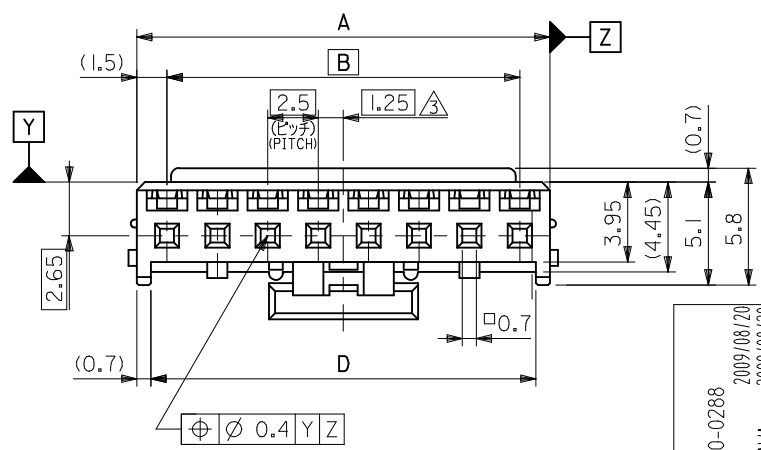
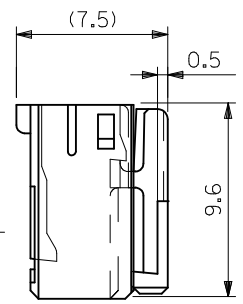
④
トレードマーク
TRADE MARK
回路番号 1
CIRCUIT NO.1



ターミナル装着状態図
TERMINAL ASSEMBLY DRAWING



④
キャビティー番号
及び金型番号
CAVITY NO.
AND MODEL NO.

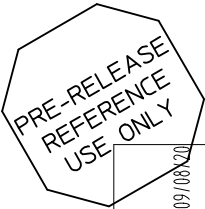


12.5	7.4	5	36.6	38.8	35	38	51163-158*	15
↑	↑	↑	34.1	36.3	32.5	35.5	↑ -148*	14
			31.6	33.8	30	33	↑ -138*	13
			29.1	31.3	27.5	30.5	↑ -128*	12
			26.6	28.8	25	28	↑ -118*	11
			24.1	26.3	22.5	25.5	↑ -108*	10
			21.6	23.8	20	23	↑ -098*	9
12.5			19.1	21.3	17.5	20.5	↑ -088*	8
×			16.6	18.8	15	18	↑ -078*	7
			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
G	F	E	D	(C)	B	A	MATERIAL AND ORDER No. ④	CIRCUIT No.

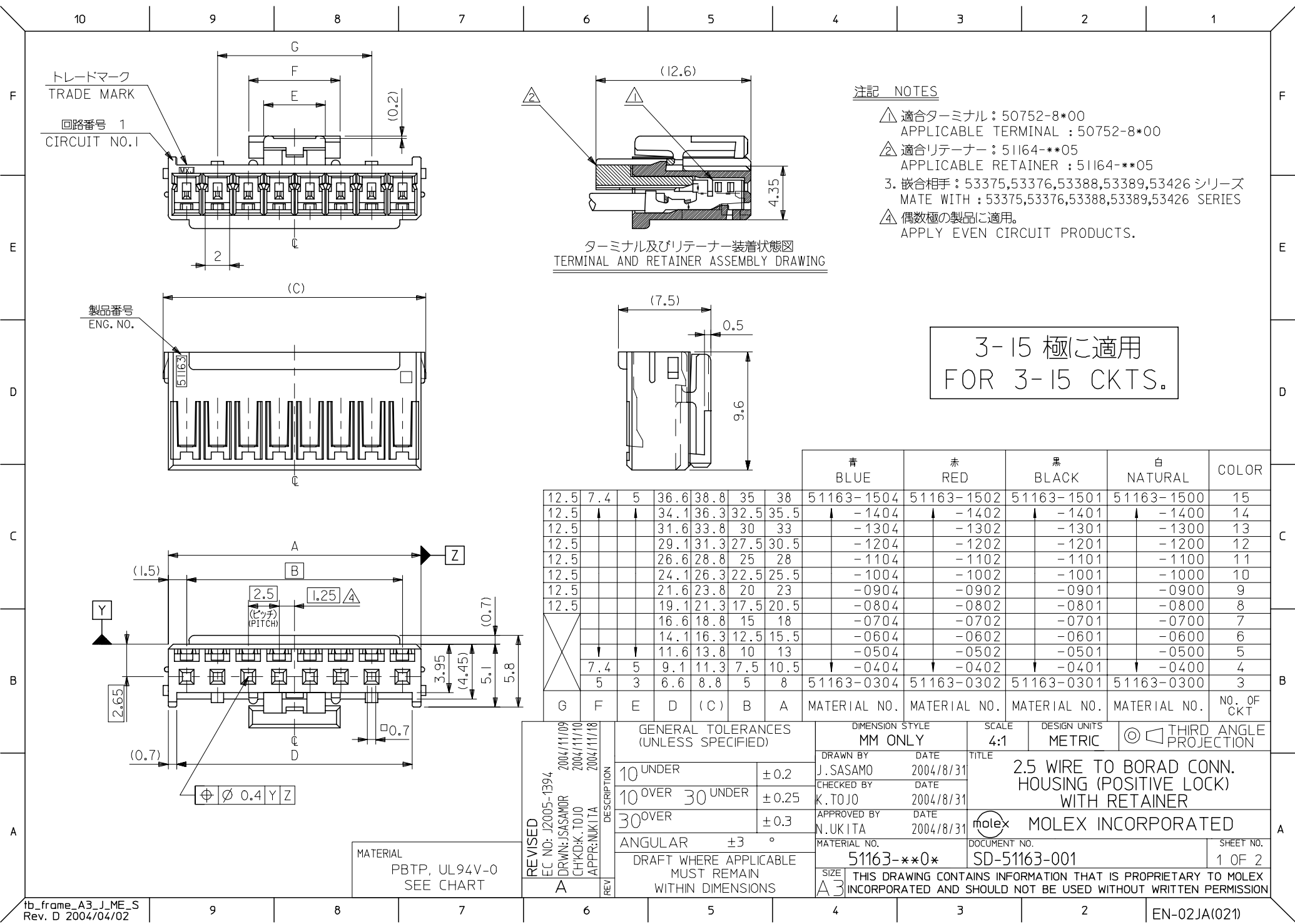
REVISED EC NO: J2010-0288 2009/08/20 DRWN: YG010 CHKD: KASAKAWA 2009/08/20 APPR: NUKITA 2009/08/24	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY K. HARADA	DATE 1997/10/2	TITLE 2.5 W/B CONN HSG (POSITIVE LOCK)				
		10 OVER 30 UNDER	±0.25	CHECKED BY T. ITO	DATE 1997/11/12	MOLEX INCORPORATED DOCUMENT NO. SD-51163-**00 SHEET NO. 1 OF 2				
		30 OVER	±0.3	APPROVED BY M. FUKUSHIMA	DATE 1997/11/12					
		ANGULAR ±3 °		ENTER PART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										

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
- △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)



REVISED EC NO: DRWN:Y.GOTO CHKD:KASAKAWA APPR: C	2009/08/30	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			10 UNDER	±0.2	DRAWN BY K. HARADA	DATE 1997/10/2	TITLE 2.5 W/B CONN HSG (POSITIVE LOCK)				
			10 OVER 30 UNDER	±0.25	CHECKED BY T. ITO	DATE 1997/11/12					
			30 OVER	±0.3	APPROVED BY M. FUKUSHIMA	DATE 1997/11/12	MOLEX INCORPORATED				
			ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ENTER PART		SD-51163-**00		2 OF 2		
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



- 注記 NOTES
- △ 適合ターミナル : 50752-8*00
APPLICABLE TERMINAL : 50752-8*00
 - △ 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
 - △ 偶数極の製品に適用。
APPLY EVEN CIRCUIT PRODUCTS.

3-15 極に適用
FOR 3-15 CKTS.

	青 BLUE	赤 RED	黒 BLACK	白 NATURAL	COLOR
12.5	51163-1504	51163-1502	51163-1501	51163-1500	15
12.5	-1404	-1402	-1401	-1400	14
12.5	-1304	-1302	-1301	-1300	13
12.5	-1204	-1202	-1201	-1200	12
12.5	-1104	-1102	-1101	-1100	11
12.5	-1004	-1002	-1001	-1000	10
12.5	-0904	-0902	-0901	-0900	9
12.5	-0804	-0802	-0801	-0800	8
12.5	-0704	-0702	-0701	-0700	7
12.5	-0604	-0602	-0601	-0600	6
12.5	-0504	-0502	-0501	-0500	5
12.5	-0404	-0402	-0401	-0400	4
12.5	51163-0304	51163-0302	51163-0301	51163-0300	3
G	MATERIAL NO.	MATERIAL NO.	MATERIAL NO.	MATERIAL NO.	NO. OF CKT

REVISED EC NO: J2005-1394 DRWN: J.SASAMOR CHKD: K. TOJO 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 J. SASAMO	DATE 2004/8/31	TITLE 2.5 WIRE TO BORAD CONN. HOUSING (POSITIVE LOCK) WITH RETAINER				
		10 OVER 30 UNDER	±0.25	CHECKED BY K. TOJO	DATE 2004/8/31					
		30 OVER	±0.3	APPROVED BY N. UKITA	DATE 2004/8/31	MOLEX MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO. 51163-**0*		DOCUMENT NO. SD-51163-001		SHEET NO. 1 OF 2		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
A	REV			SIZE A3						

