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Part Number: [0511631100](#)
Status: **Active**
Description: 2.50mm (.098") Pitch Wire-to-Board Receptacle Housing, Positive Lock, With Retainer, 11 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

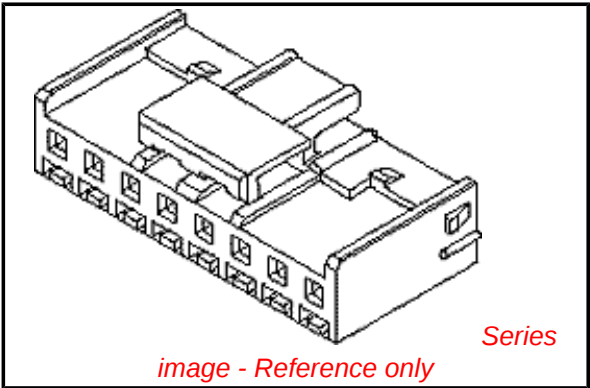
Physical

Circuits (maximum) 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

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](#)

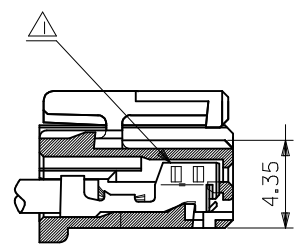
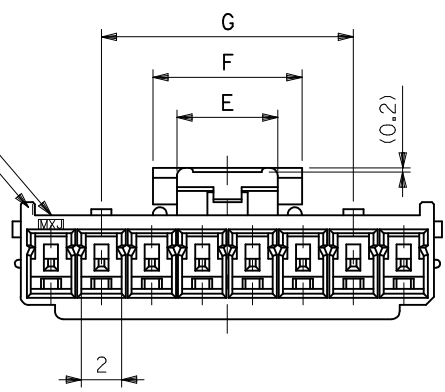
Mates With
[53375](#) , [53426](#)

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

10 9 8 7 6 5 4 3 2 1

F

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



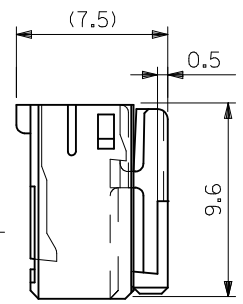
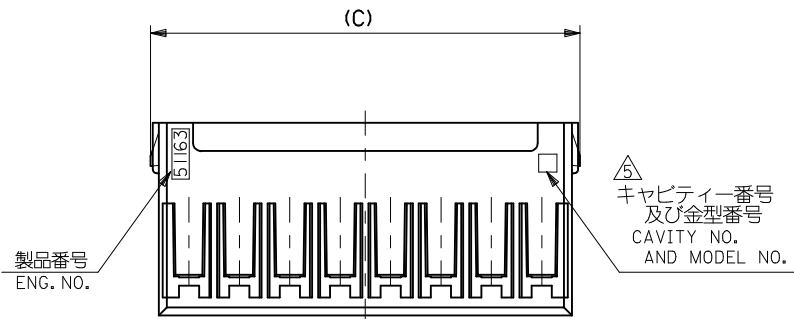
ターミナル装着状態図
TERMINAL ASSEMBLY DRAWING

E

E

D

D

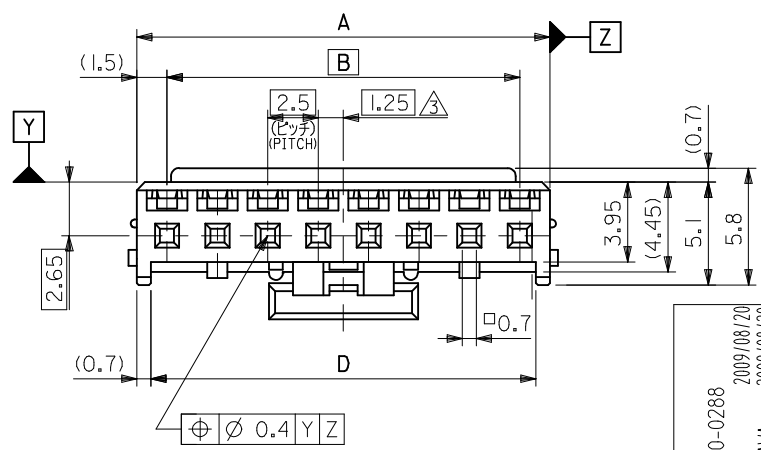


C

C

B

B



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. △	CIRCUIT No.

A

A

REVISED
EC NO: J2010-0288
DRWN: YG010
CHKD: KASAKAWA
APPR: NUKITA

2009/08/20
2009/08/20
2009/08/24

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

DRAWN BY
K. HARADA
CHECKED BY
T. ITO
APPROVED BY
M. FUKUSHIMA
MATERIAL NO.

DATE
1997/10/2
1997/11/12
1997/11/12

ENTER PART

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

SCALE
4:1

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

2.5 W/B CONN HSG
(POSITIVE LOCK)

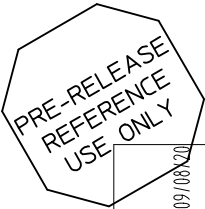
MOLEX INCORPORATED

DOCUMENT NO.
SD-51163-**-00

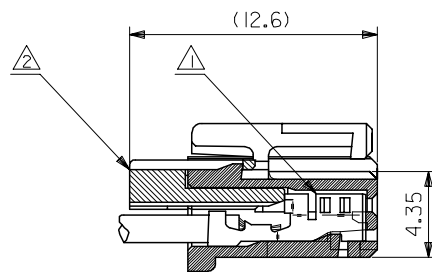
SHEET NO.
1 OF 2

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.
- △ 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.
- △ 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)
- △ MATERIAL AND ORDER No.
51163-**00
極数
CIRCUIT SIZE
7. 材料:PBT, UL 94V-0
8. 色:白 WHITE (NATURAL)



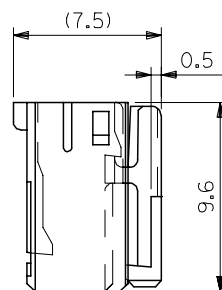
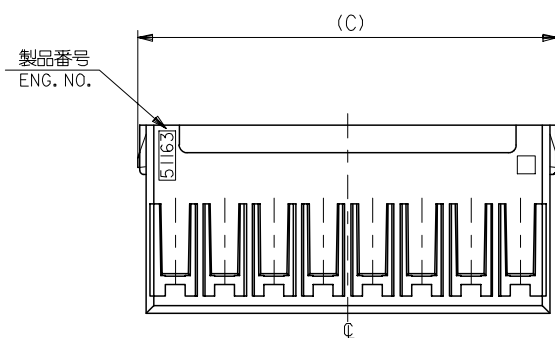
REVISED EC NO: DRWN:Y.GOTO CHKD:KASAKAWA APPR: C	2009/08/30	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			10 UNDER	± 0.2	DRAWN BY K. HARADA	DATE 1997/10/2	TITLE 2.5 W/B CONN HSG (POSITIVE LOCK)				
			10 OVER 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				



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

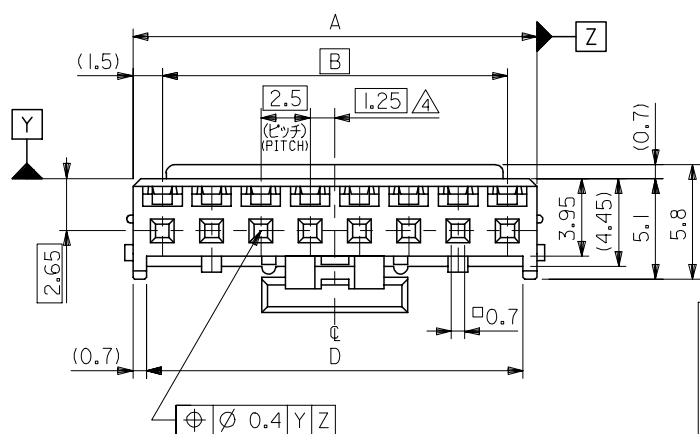
注記 NOTES

- △ 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.



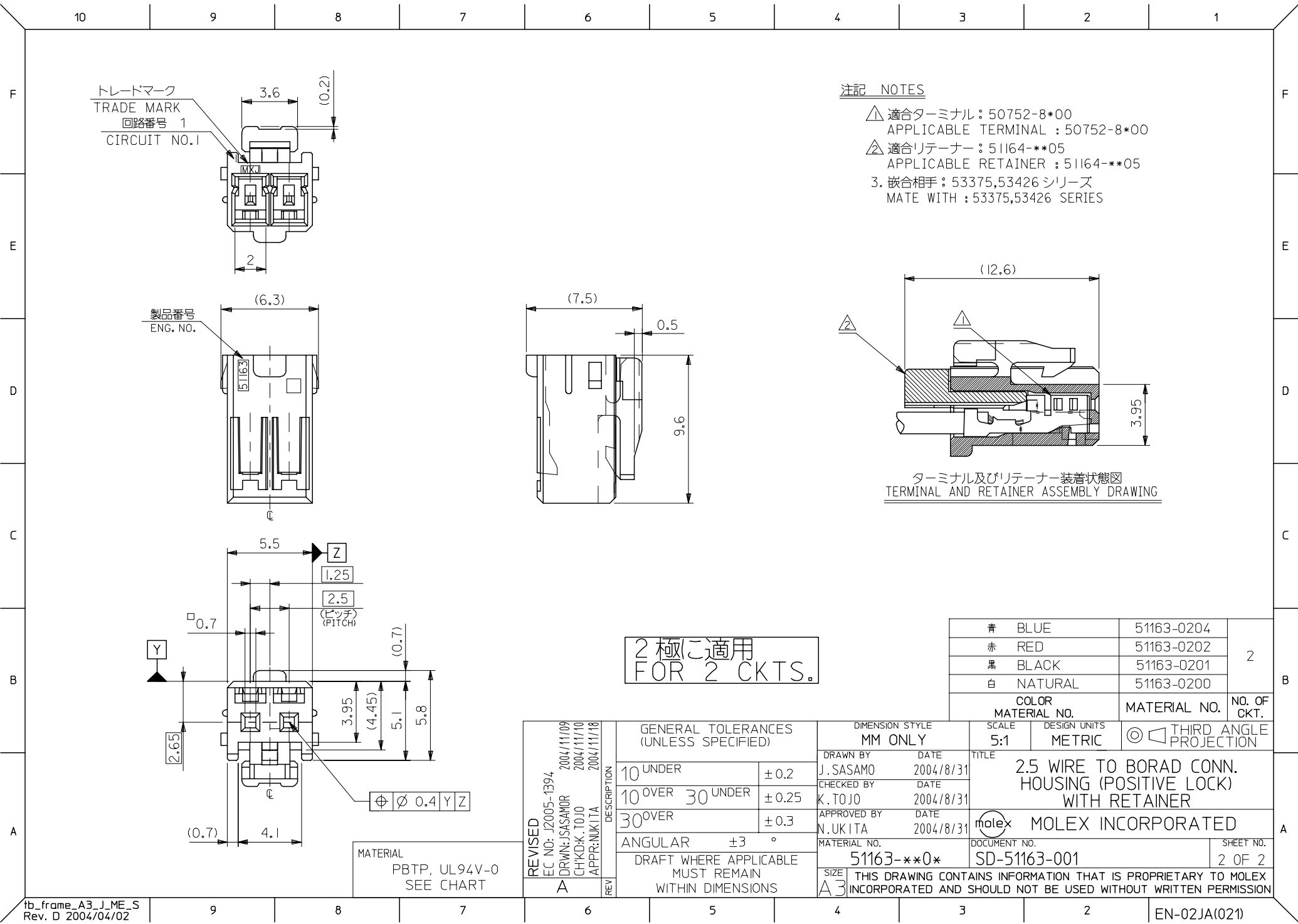
3-15 極に適用
FOR 3-15 CKTS.

							青 BLUE	赤 RED	黒 BLACK	白 NATURAL	COLOR
12.5	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
G	F	E	D	(C)	B	A	MATERIAL NO.	MATERIAL NO.	MATERIAL NO.	MATERIAL NO.	NO. OF CKT



MATERIAL
PBTP, UL94V-0
SEE CHART

REVISED	EC NO: J2005-1394	2004/11/09	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
	DRWN: SASAMOR	2004/11/10		10 UNDER	±0.2	DRAWN BY J. SASAMO	DATE 2004/8/31	TITLE 2.5 WIRE TO BORAD CONN. HOUSING (POSITIVE LOCK) WITH RETAINER		
	CHKD: K. TOJO	2004/11/10		10 OVER 30 UNDER	±0.25	CHECKED BY K. TOJO	DATE 2004/8/31			
	APPR: NUKITA	2004/11/18		30 OVER	±0.3	APPROVED BY N. UKITA	DATE 2004/8/31			
	A	REV		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				



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 : 53375,53426 シリーズ
MATE WITH : 53375,53426 SERIES