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Part Number: [0530150810](#)
Status: **Active**
Description: 2.00mm (.079") Pitch MicroBlade™ Wire-to-Board Header, Right Angle, 8 Circuits

Documents:

[3D Model](#) [Product Specification PS-51004-002 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family PCB Headers
Series [53015](#)
Application Wire-to-Board
Product Name MicroBlade™

Physical

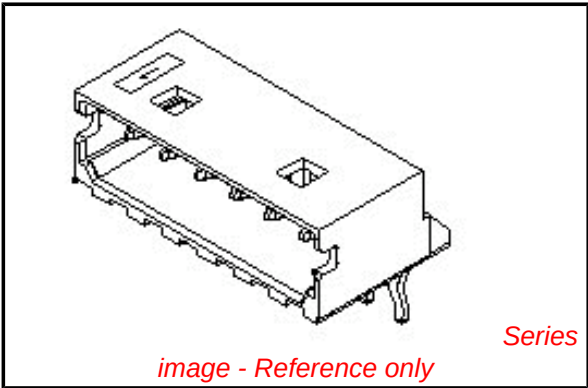
Breakaway No
Circuits (Loaded) 8
Durability (mating cycles max) 30
First Mate / Last Break No
Flammability 94V-0
Glow-Wire Compliant No
Guide to Mating Part No
Keying to Mating Part None
Lock to Mating Part Yes
Material - Metal Phosphor Bronze
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin Nylon
Number of Rows 1
Orientation Right Angle
PC Tail Length (in) 0.138 In
PC Tail Length (mm) 3.50 mm
PCB Locator No
PCB Retention Yes
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Bag
Pitch - Mating Interface (in) 0.079 In
Pitch - Mating Interface (mm) 2.00 mm
Polarized to PCB No
Shrouded Fully
Stackable No
Surface Mount Compatible (SMC) No
Temperature Range - Operating -20°C to +85°C
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 2A
Voltage - Maximum 125V

Material Info

Reference - Drawing Numbers



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
[53015Series](#)

Mates With
[51004](#) Crimp Housing. [50011](#) Crimp
Terminal

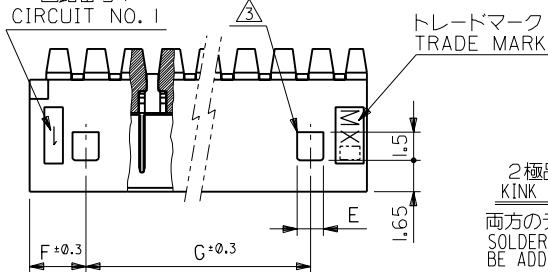
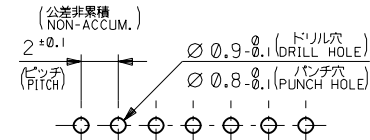
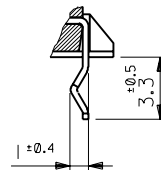
Packaging Specification
Product Specification

SPK-53015-001
PS-51004-002, RPS-51004-002, RPS-51004-003,
RPS-51004-008, RPS-51004-010, RPS-51004-011,
RPS-51004-014, RPS-51004-015, RPS-51004-016,
RPS-51004-017, RPS-51004-018, RPS-51004-019,
RPS-51004-020, RPS-51004-021, RPS-51004-022,
RPS-51004-023, RPS-51004-024, RPS-51004-025,
RPS-53014-001
SD-53015-**10

Sales Drawing

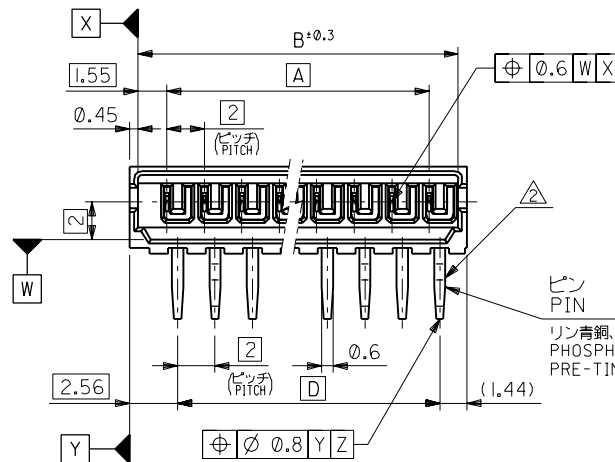
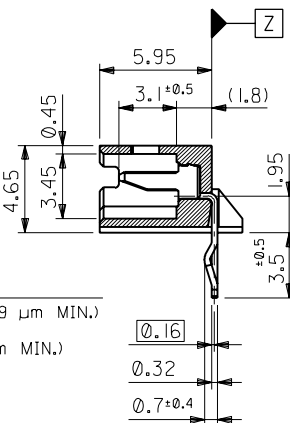
This document was generated on 05/24/2010

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回路番号 1
CIRCUIT NO. 1トレードマーク
TRADE MARK2極品のキンク形態図
KINK FORM FOR 2 CKTS.両方のテールにキンクを施す。
SOLDER TAIL KINK SHOULD
BE ADDED ON BOTH TAILS.基板取付穴推奨寸法 (参考)
RECOMMENDED P.C. BOARD HOLE DIM. (REF.)
(t=1.6)

注記 NOTES

1. 嵌合相手 : 51004 シリーズ
MATES WITH : 51004 SERIES
2. 3極以上のキンクは、1極おきに2カ所以上に施すこと。
KINK TO BE ADDED ON THE ODD NUMBER
SOLDER TAILS.(FROM THE TRADE MARK SIDE)
3. ロック穴は、2極と3極は1カ所、4極以上は2カ所とする。
LOCKING HOLE : ONE PLACE FOR 2 AND 3 CKTS.
TWO PLACES FOR 4 AND MORE THAN 4 CKTS.

ピン
PINリン青銅、錫メッキ (0.9 μm MIN.)
PHOSPHOR BRONZE
PRE-TINNED(0.9 μm MIN.)ウェハー
WAFERガラス繊維入りナイロン66 (カラー : オフホワイト)
GLASS FILLED NYLON66 (COLOR:OFF-WHITE)
UL94V-0

26	3	1.4	28	32	31.1	28	53015-1510	15
24	↑	↑	26	30	29.1	26	↑ -1410	14
22			24	28	27.1	24	↑ -1310	13
20			22	26	25.1	22	↑ -1210	12
18			20	24	23.1	20	↑ -1110	11
16			18	22	21.1	18	↑ -1010	10
14			16	20	19.1	16	↑ -0910	9
12			14	18	17.1	14	↑ -0810	8
10			12	16	15.1	12	↑ -0710	7
8			10	14	13.1	10	↑ -0610	6
6	↓	↓	8	12	11.1	8	↑ -0510	5
4	3	1.4	6	10	9.1	6	↑ -0410	4
—H—	4	3.4	4	8	7.1	4	↑ -0310	3
—H—	3	1.4	2	6	5.1	2	53015-0210	2
G	F	E	D	C	B	A	ENG. NO.	極数 NO. OF CKTS.

角度 ANGLE	±3°
30 以上 OVER	±0.3
10 以上 30 未満 OVER	±0.25
10 未満 UNDER	±0.2
一般公差 GENERAL TOLERANCES	

記号 LTR	再作図及び変更 REDRAWN & REVISED (JIS0279)	変更内容 REVISION RECORD	DR. CHK.	日付 DATE
E	H.H. M.F.	'93/3/31		

材料 MATERIAL	図中参照 SEE DWG.
仕上げ FINISH	—H—
適用電線範囲 WIRE RANGE	—H—
被覆外径 INS. RANGE	—H—
DRAWN BY '93/3/31	CHK'D BY '93/3/31
H.HIRAMOTO	H.HIRAMOTO
APP'D BY '93/3/31	尺度 SCALE 4 - 1
M.FUKUSHIMA	

molex MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社
REVISE ONLY ON CAD SYSTEM
TITLE 名称 2.0 LOW PROFILE WAFER ASS'Y R/A
DWG. NO. SD-53015-***10
REV E