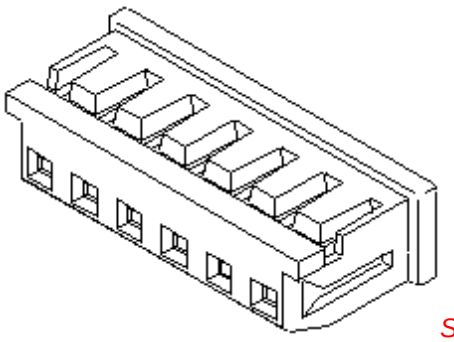
This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0510650700
Status: Active
Overview: microlatch
Description: 2.00mm (.079") Pitch Micro-Latch™ Wire-to-Board Housing, Friction Lock, 7 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-51065-005 (PDF)
Product Specification PS-51065-016 (PDF)
Product Specification PS-51065-017 (PDF)
Product Specification PS-51065-018 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Crimp Housings
Series	51065
Overview	microlatch
Product Name	Micro-Latch™

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)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Stackable	No
Temperature Range - Operating	-40°C to +105°C

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-51065-001
Product Specification	PS-51065-005, PS-51065-016, PS-51065-017, PS-51065-018, RPS-51065-001, RPS-51065-002, RPS-51065-006, RPS-51065-007, RPS-51065-010, RPS-51065-011, RPS-51065-012, RPS-51065-013, RPS-51065-015, RPS-51065-020, RPS-51065-021, RPS-51065-022, RPS-51065-023, RPS-51065-024, RPS-51065-025, RPS-51065-026, RPS-51065-027, RPS-51065-028, RPS-51065-029, RPS-51065-030
Sales Drawing	SD-51065-004, SD-51065-005, SD-51065-006

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.

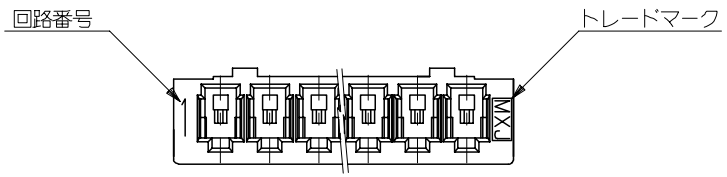
Search Parts in this Series
51065Series

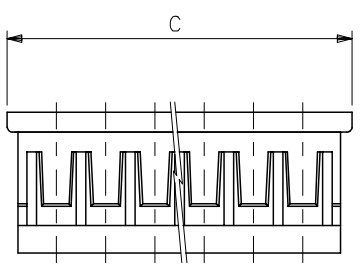
Mates With
53253 PCB Header, 53254 PCB Header

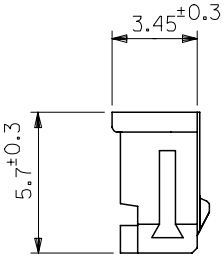
Use With
50212 Crimp Terminal

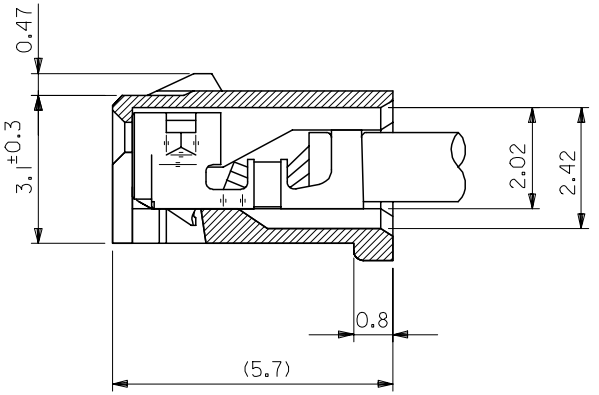
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

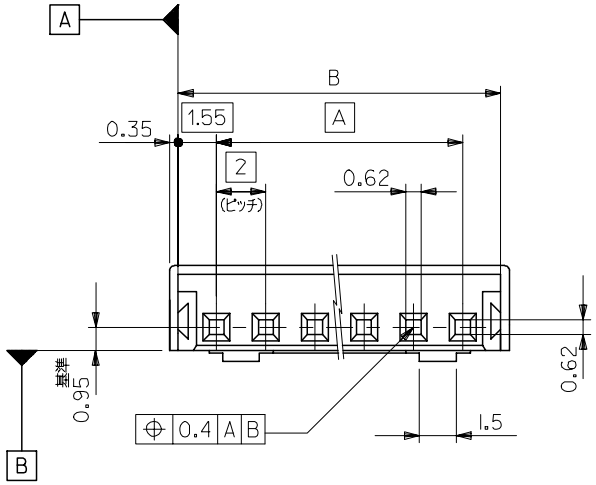


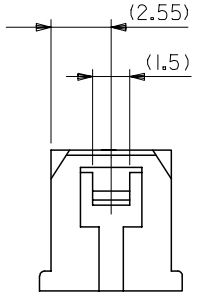




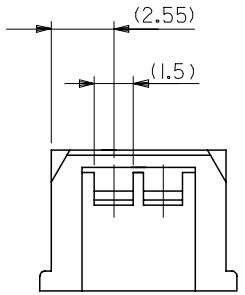


ターミナル装着状態図
(10:1)





2極の場合



3極の場合

31.8	31.1	28	51065-150*	15
29.8	29.1	26	-140*	14
27.8	27.1	24	-130*	13
25.8	25.1	22	-120*	12
23.8	23.1	20	-110*	11
21.8	21.1	18	-100*	10
19.8	19.1	16	-090*	9
17.8	17.1	14	-080*	8
15.8	15.1	12	-070*	7
13.8	13.1	10	-060*	6
11.8	11.1	8	-050*	5
9.8	9.1	6	-040*	4
7.8	7.1	4	-030*	3
5.8	5.1	2	51065-020*	2
C	B	A	MATERIAL NO.	極数

注 記

1. 適合ターミナル：50212-8*00
2. 嵌合相手：53253-**10,53254-**10
3. 材質：PBT，UL94V-0
4. MATERIAL NO. の説明

51065-**0*

極数

製品の色
1：黒（BLACK）
5：灰（GRAY）
6：緑（GREEN）
7：茶（BROWN）

REVISED
EC NO: J2006-1395 2005/10/31
DRWN:MNABEI 2005/11/01
CHKD:KTOYODA
APPR:NUKITA 2005/11/02
DESCRIPTION
REV B

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: S.AIHARA DATE: '89/09/21
CHECKED BY: M.FUKUSHIMA DATE: '90/01/18
APPROVED BY: M.ENOMOTO DATE: '90/01/18
MATERIAL NO.: SEE CHART

TITLE: NEW 2.0 WIRE TO BOARD CONN RECEPTACLE HOUSING

MOLEX INCORPORATED

DOCUMENT NO.: SD-51065-004
SHEET NO.: 1 OF 2
SIZE: A3

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29.8	29.1	26	51065-1407	51065-1406	51065-1405	51065-1401	51065-1400	14
27.8	27.1	24	51065-1307		51065-1305	51065-1301	51065-1300	13
25.8	25.1	22	51065-1207	51065-1206	51065-1205	51065-1201	51065-1200	12
23.8	23.1	20	51065-1107		51065-1105	51065-1101	51065-1100	11
21.8	21.1	18	51065-1007	51065-1006	51065-1005	51065-1001	51065-1000	10
19.8	19.1	16	51065-0907	51065-0906	51065-0905	51065-0901	51065-0900	9
17.8	17.1	14	51065-0807	51065-0806	51065-0805	51065-0801	51065-0800	8
15.8	15.1	12	51065-0707		51065-0705	51065-0701	51065-0700	7
13.8	13.1	10	51065-0607		51065-0605	51065-0601	51065-0600	6
11.8	11.1	8	51065-0507		51065-0505	51065-0501	51065-0500	5
9.8	9.1	6	51065-0407		51065-0405	51065-0401	51065-0400	4
7.8	7.1	4	51065-0307		51065-0305		51065-0300	3
5.8	5.1	2	51065-0207		51065-0205		51065-0200	2
C	B	A	BROWN	GREEN	GRAY	BLACK	NATURAL	極数
			MATERIAL NO.					

REVISED
EC NO: J2006-1395 2005/10/31
DRWN:MNABEI 2005/11/01
CHKD:KTOYODA
APPR:NUKITA 2005/11/02

REV: B

DESCRIPTION

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: S.AIHARA DATE: '89/09/21
CHECKED BY: M.FUKUSHIMA DATE: '90/01/18
APPROVED BY: M.ENOMOTO DATE: '90/01/18

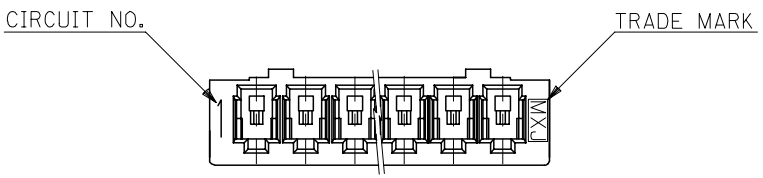
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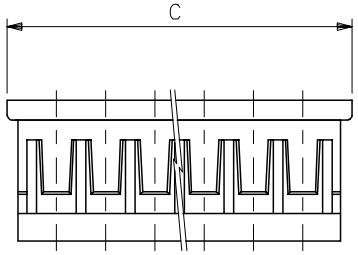
MOLEX INCORPORATED

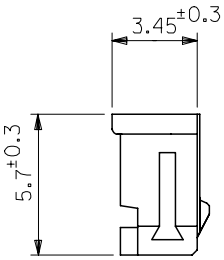
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SHEET NO.: 2 OF 2

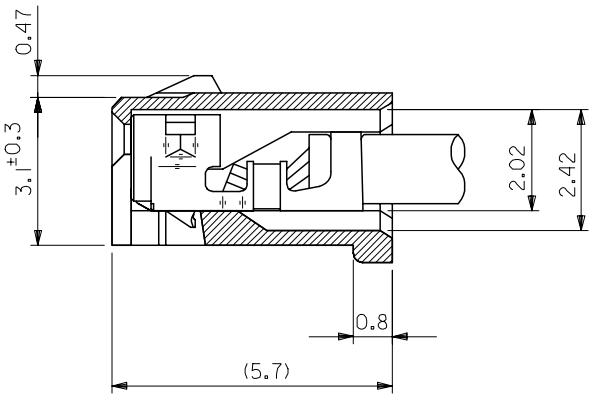
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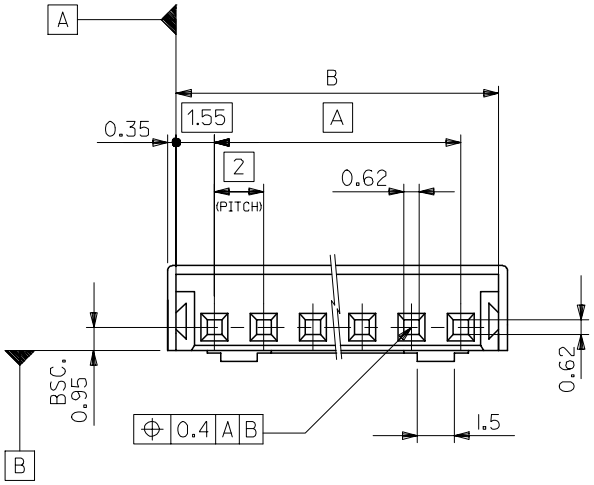


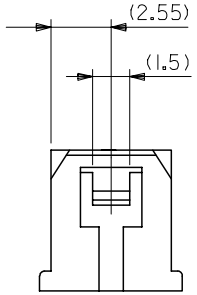




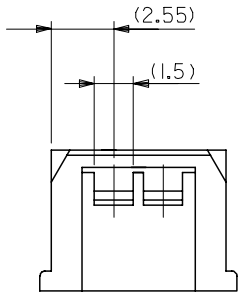


TERMINAL ASSEMBLY DRAWING
(10:1)





IN CASE OF
2 CIRCUIT HSG.



IN CASE OF
3 CIRCUIT HSG.

31.8	31.1	28	51065-150*	15
29.8	29.1	26	-140*	14
27.8	27.1	24	-130*	13
25.8	25.1	22	-120*	12
23.8	23.1	20	-110*	11
21.8	21.1	18	-100*	10
19.8	19.1	16	-090*	9
17.8	17.1	14	-080*	8
15.8	15.1	12	-070*	7
13.8	13.1	10	-060*	6
11.8	11.1	8	-050*	5
9.8	9.1	6	-040*	4
7.8	7.1	4	-030*	3
5.8	5.1	2	51065-020*	2
C	B	A	MATERIAL NO.	極数

NOTES

1. APPLICABLE TERMINAL 50212-8*00
2. MATES WITH : 53253-**10,53254-**10
3. MATERIAL : PBT , UL94V-0
4. MATERIAL NO.

51065-**0*
CIRCUIT
COLOR
1 : BLACK
5 : GRAY
6 : GREEN
7 : BROWN

REVISED
EC NO: J2006-1395 2005/10/31
DRWN:MNABEI 2005/11/01
CHKD:KTOYODA
APPR:NUKITA 2005/11/02
DESCRIPTION
REV B

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: S.AIHARA DATE: '89/09/21
CHECKED BY: M.FUKUSHIMA DATE: '90/01/18
APPROVED BY: M.ENOMOTO DATE: '90/01/18
MATERIAL NO.: SEE CHART

TITLE: NEW 2.0 WIRE TO BOARD CONN RECEPTACLE HOUSING

MOLEX INCORPORATED

DOCUMENT NO.: SD-51065-005
SHEET NO.: 1 OF 2
SIZE: A3

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27.8	27.1	24	51065-1307		51065-1305	51065-1301	51065-1300	13
25.8	25.1	22	51065-1207	51065-1206	51065-1205	51065-1201	51065-1200	12
23.8	23.1	20	51065-1107		51065-1105	51065-1101	51065-1100	11
21.8	21.1	18	51065-1007	51065-1006	51065-1005	51065-1001	51065-1000	10
19.8	19.1	16	51065-0907	51065-0906	51065-0905	51065-0901	51065-0900	9
17.8	17.1	14	51065-0807	51065-0806	51065-0805	51065-0801	51065-0800	8
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13.8	13.1	10	51065-0607		51065-0605	51065-0601	51065-0600	6
11.8	11.1	8	51065-0507		51065-0505	51065-0501	51065-0500	5
9.8	9.1	6	51065-0407		51065-0405	51065-0401	51065-0400	4
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5.8	5.1	2	51065-0207		51065-0205		51065-0200	2
C	B	A	BROWN	GREEN	GRAY	BLACK	NATURAL	極数
			MATERIAL NO.					

REVISED
EC NO: J2006-1395 2005/10/31
DRWN:MNABEI 2005/11/01
CHKD:KTOYODA
APPR:NUKITA 2005/11/02
DESCRIPTION
REV
B

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: S.AIHARA DATE: '89/09/21
CHECKED BY: M.FUKUSHIMA DATE: '90/01/18
APPROVED BY: M.ENOMOTO DATE: '90/01/18
MATERIAL NO.: SEE CHART

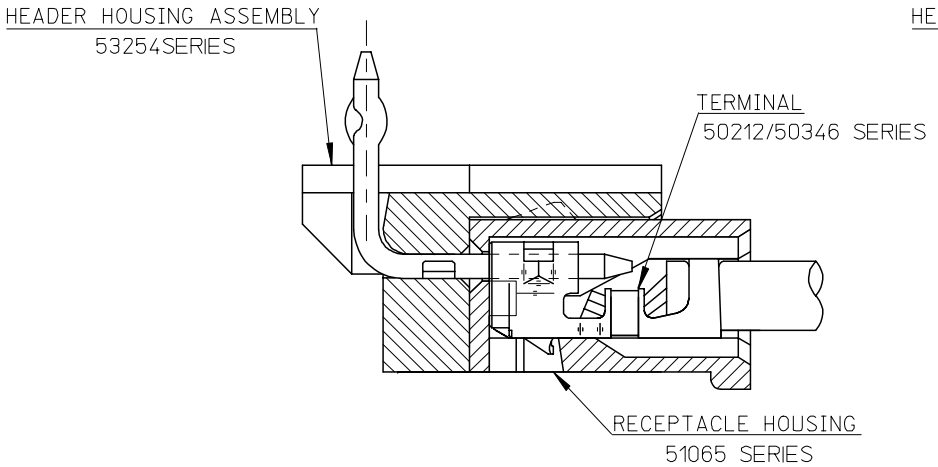
TITLE: NEW 2.0 WIRE TO BOARD CONN RECEPTACLE HOUSING

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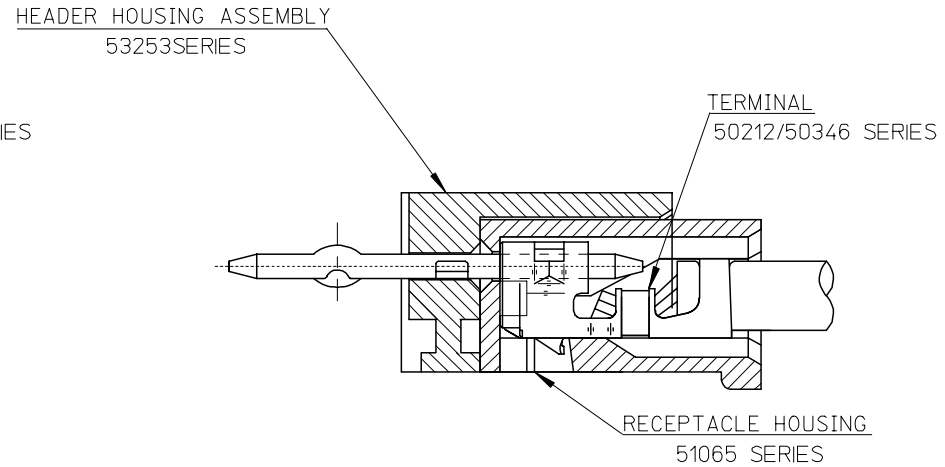
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SIZE: A3

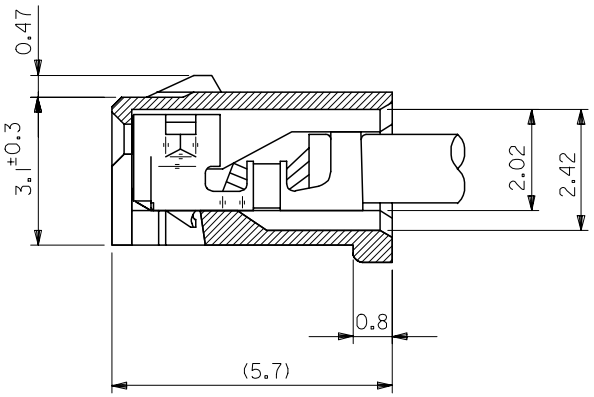
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51065シリーズ/53254シリーズ　嵌合状態図　参考
51065 SERIES/53254 SERIES MATED DRAWING (REF.)



51065シリーズ/53253シリーズ　嵌合状態図　参考
51065 SERIES/53253 SERIES MATED DRAWING (REF.)



ターミナル装着状態図
TERMINAL ASS'Y DWG.

RELEASED
EC NO: J2008-2041
DRWN:YAOYAGI 2007/11/21
CHKD:THARUYAMA 2007/11/22
APPR:NUKITA 2007/11/22
DESCRIPTION
REV
0

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±1 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 10:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: Y.AOYAGI DATE: 2007/11/13	TITLE: NEW 2.0 W/B CONN. 51065/53253OR51065/53254		
CHECKED BY: N.UKITA DATE: 2007/11/13			
APPROVED BY: N.UKITA DATE: 2007/11/13	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE TABLE	DOCUMENT NO.: SD-51065-006	SHEET NO.: 1 OF 1	
SIZE: A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		