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Part Number: [0510650500](#)
Status: **Active**
Overview: [microlatch](#)
Description: 2.00mm (.079") Pitch Micro-Latch™ Wire-to-Board Housing, Friction Lock, 5 Circuits

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™

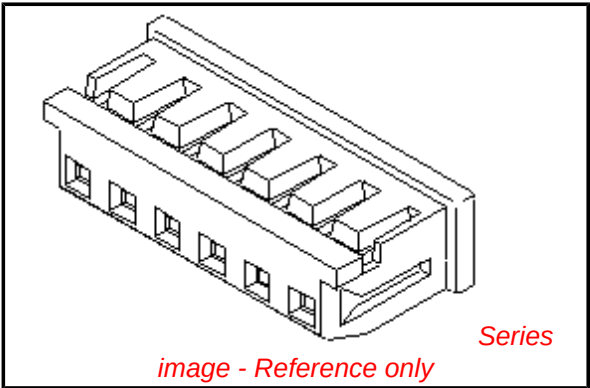
Physical

Circuits (maximum)	5
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



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

F

E

D

C

B

A

F

E

D

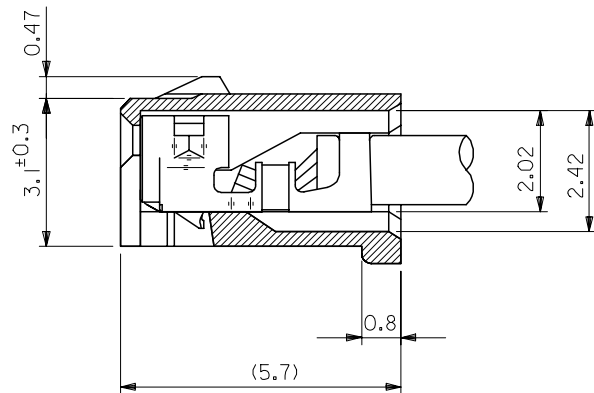
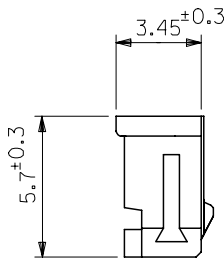
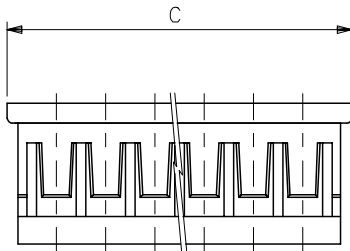
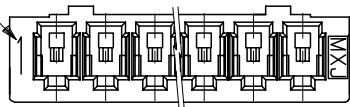
C

B

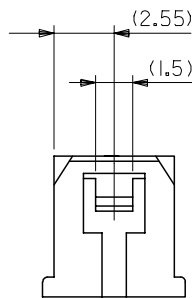
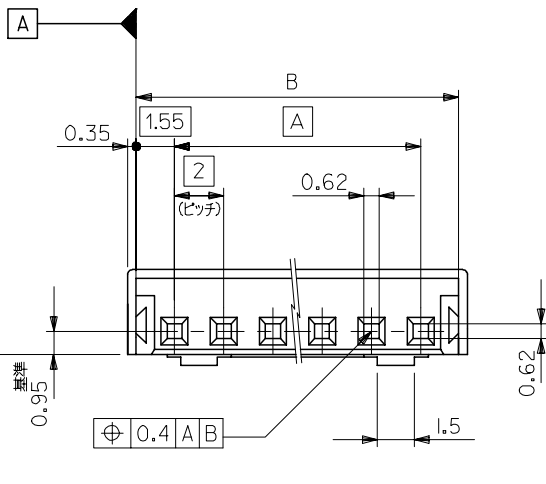
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回路番号

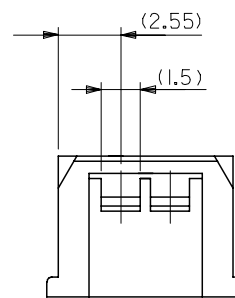
トレードマーク



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

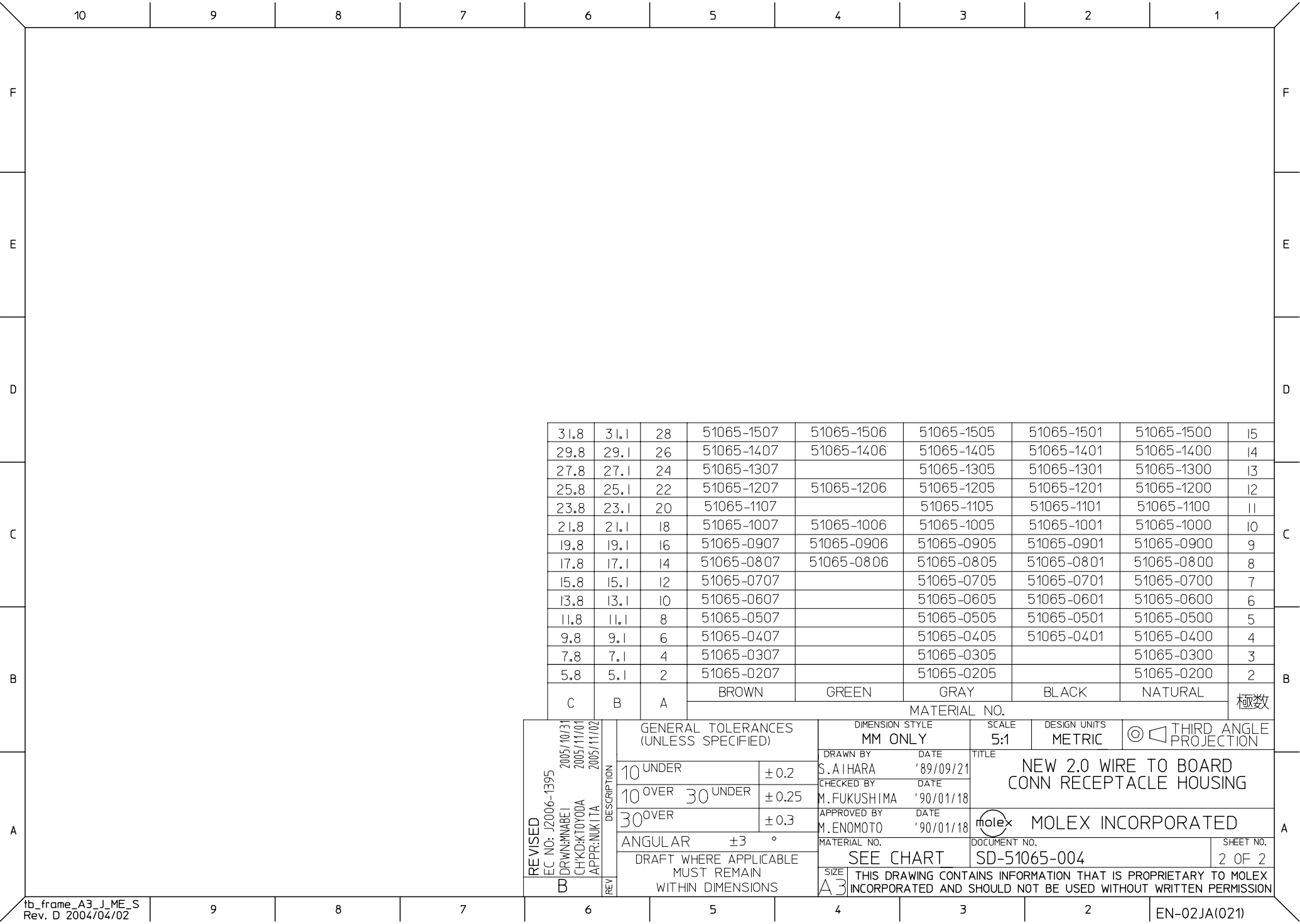
- 適合ターミナル: 50212-8*00
- 嵌合相手: 53253-**10, 53254-**10
- 材質: PBT. UL94V-0
- MATERIAL NO. の説明

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 DRAWN: NABEI CHKD: KTOYODA APPR: NUKITA	DESCRIPTION 2005/10/31 2005/11/01 2005/11/02	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY S. AIHARA	DATE '89/09/21	TITLE NEW 2.0 WIRE TO BOARD CONN RECEPTACLE HOUSING				
		10 OVER 30 UNDER	±0.25	CHECKED BY M. FUKUSHIMA	DATE '90/01/18					
		30 OVER	±0.3	APPROVED BY M. ENOMOTO	DATE '90/01/18	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-51065-004		1 OF 2		
REV		SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



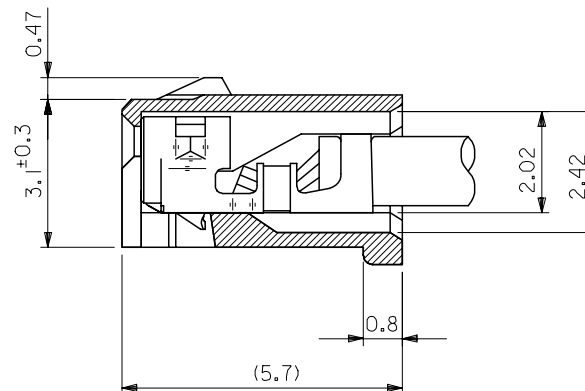
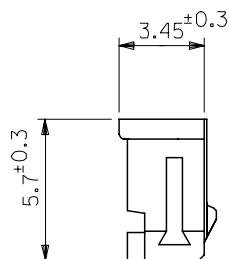
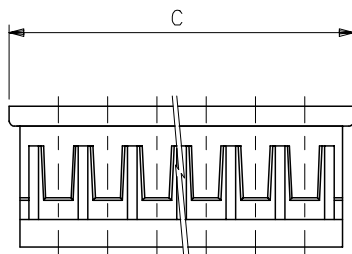
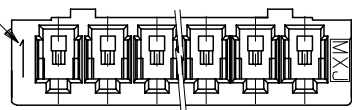
31.8	31.1	28	51065-1507	51065-1506	51065-1505	51065-1501	51065-1500	15
29.8	29.1	26	51065-1407	51065-1406	51065-1405	51065-1401	51065-1400	14
27.8	27.1	24	51065-1307		51065-1305	51065-1301	51065-1300	13
25.8	25.1	22	51065-1207	51065-1206	51065-1205	51065-1201	51065-1200	12
23.8	23.1	20	51065-1107		51065-1105	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

REVISED EC NO: J2006-1395 DRWN: NABEI 2005/10/31 CHKD: KTOYODA 2005/11/01 APPR: NUKITA 2005/11/02	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY S. AIHARA	DATE '89/09/21	TITLE NEW 2.0 WIRE TO BOARD CONN RECEPTACLE HOUSING				
		10 OVER 30 UNDER	± 0.25	CHECKED BY M. FUKUSHIMA	DATE '90/01/18					
		30 OVER	± 0.3	APPROVED BY M. ENOMOTO	DATE '90/01/18	MOLEX INCORPORATED				
		ANGULAR	± 3 °	MATERIAL NO.						
B		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

10 9 8 7 6 5 4 3 2 1

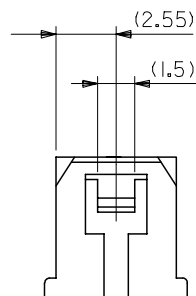
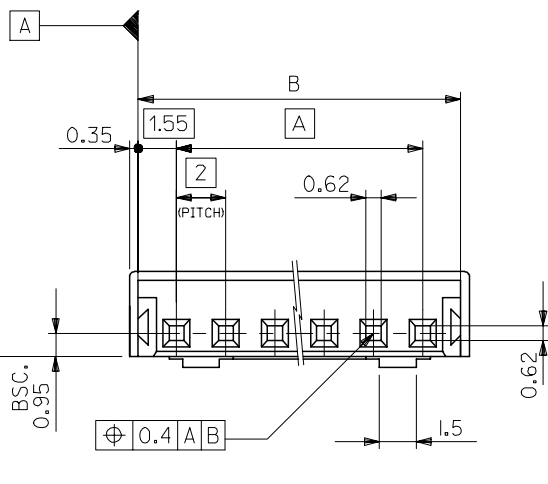
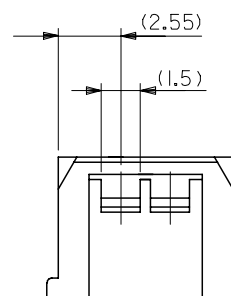
CIRCUIT NO.

TRADE MARK



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
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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

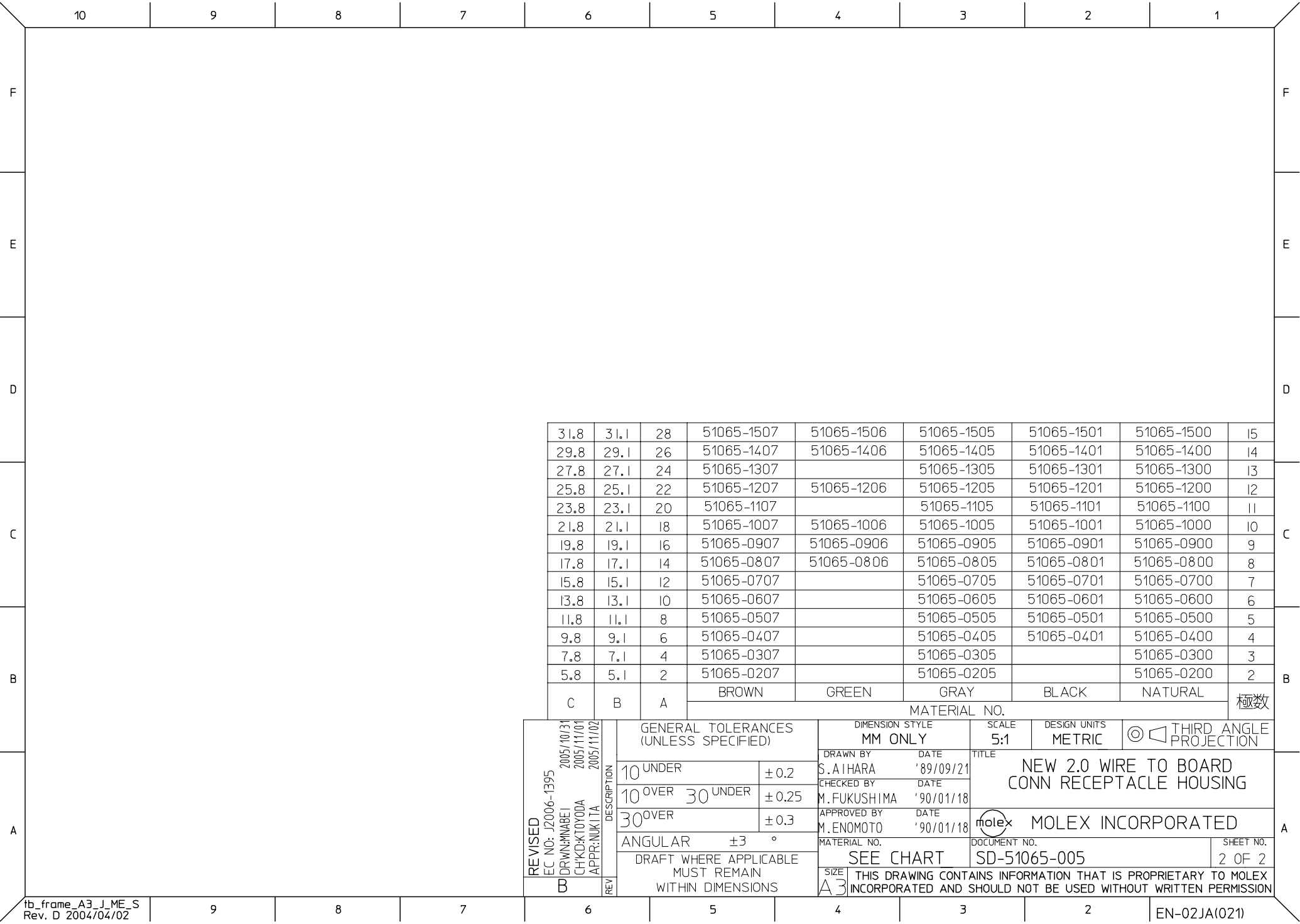
1. APPLICABLE TERMINAL 50212-8*00
2. MATES WITH : 53253-**10, 53254-**10
3. MATERIAL : PBT, UL94V-0
4. MATERIAL NO.

51065-**-0*

CIRCUIT

COLOR
1: BLACK
5: GRAY
6: GREEN
7: BROWN

REVISED EC NO: J2006-1395 DRWN: NABEI CHKD: TOYODA APPR: NUKITA	DESCRIPTION 2005/10/31 2005/11/01 2005/11/02	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
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		10 OVER 30 UNDER	±0.25	CHECKED BY M. FUKUSHIMA	DATE '90/01/18					
		30 OVER	±0.3	APPROVED BY M. ENOMOTO	DATE '90/01/18					
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-51065-005		1 OF 2		
	REV	SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



31.8	31.1	28	51065-1507	51065-1506	51065-1505	51065-1501	51065-1500	15
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
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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

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

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
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
SIZE
A3

SCALE
5:1
DESIGN UNITS
METRIC
THIRD ANGLE
PROJECTION
TITLE
NEW 2.0 WIRE TO BOARD
CONN RECEPTACLE HOUSING
MOLEX INCORPORATED
DOCUMENT NO.
SD-51065-005
SHEET NO.
2 OF 2

