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Part Number:

0559593230

Status:

Active

Overview:

microclasp

Description:

2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Header, Dual Row, Right Angle, 32 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-51353-003 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Overview

Product Name

PCB Headers

55959

Wire-to-Board

microclasp

MicroClasp™

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Shrouded

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

No

32

32

Natural

30

No

No

No

None

Yes

Tin

Tin

Polyester

2

Right Angle

0.126 In

3.20 mm

No

Yes

0.045 In

1.60 mm

Tray

0.079 In

2.00 mm

Fully

No

No

-25°C to +85°C

Through Hole

Electrical

Current - Maximum per Contact

Voltage - Maximum

3A

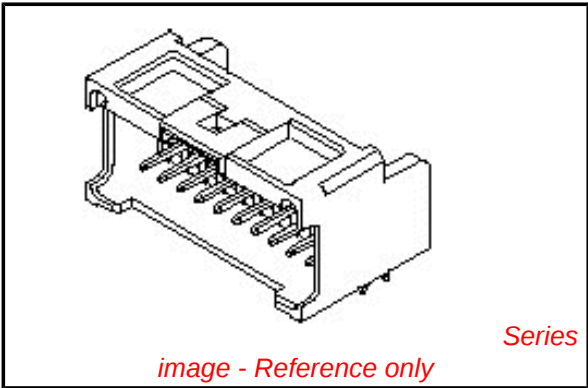
250V

Material Info

Reference - Drawing Numbers

Packaging Specification

SPK-55959-001



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

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

55959Series

Mates With

51353 MicroClasp™ Wire-to-Board Receptacle Housing

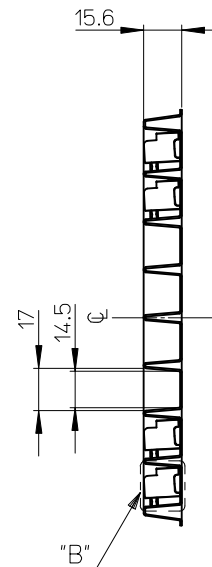
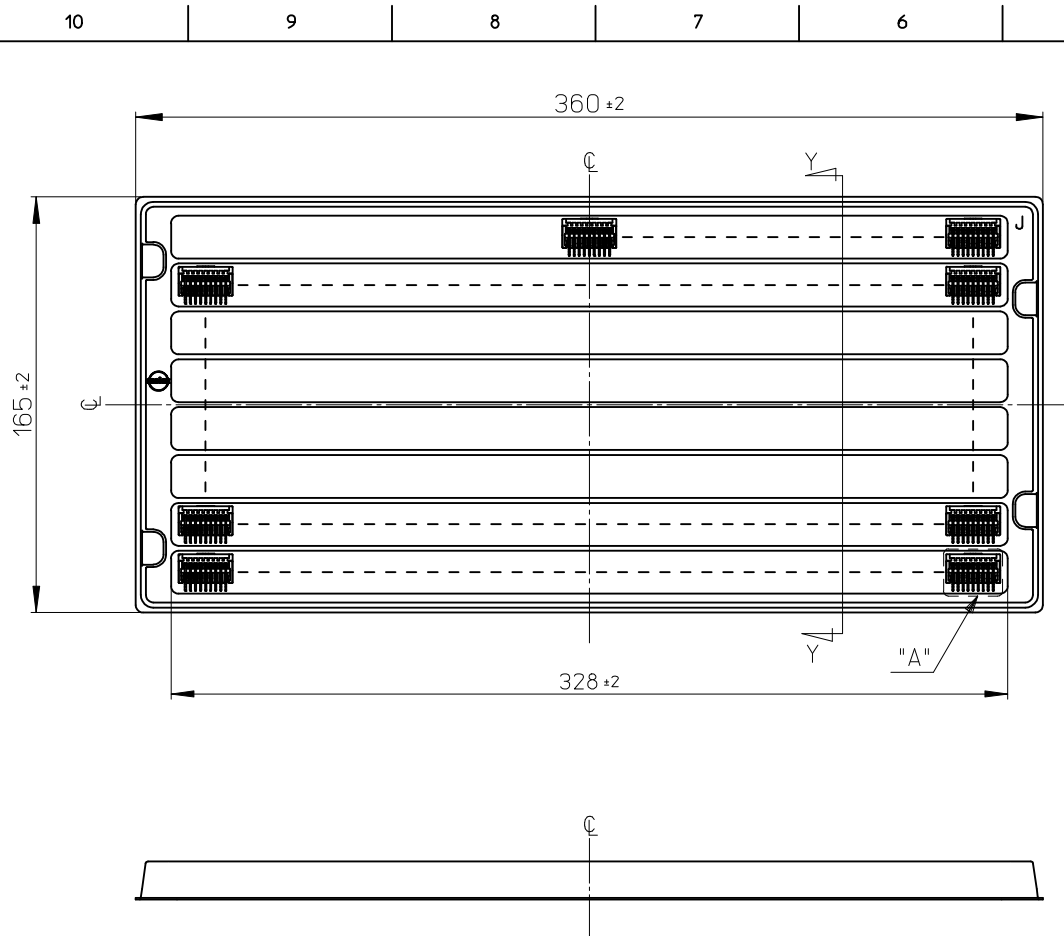
Product Specification

PS-51353-003, RPS-51353-008, RPS-51353-009,
RPS-51353-010, RPS-51353-014, RPS-51353-017,
RPS-51353-019, RPS-51353-020, RPS-51353-022,
RPS-51353-024, RPS-51353-025, RPS-51353-026
SD-55959-001, SD-55959-003

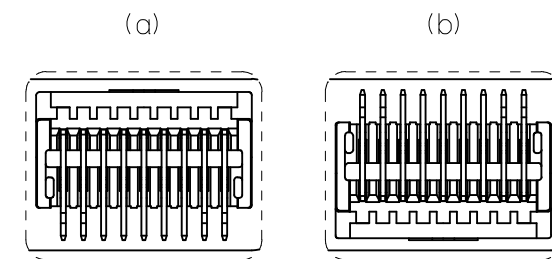
Sales Drawing

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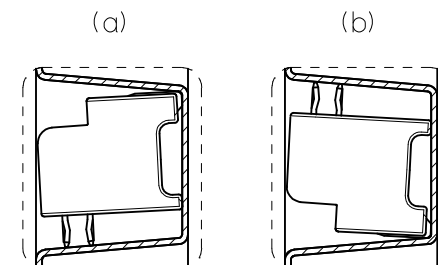
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SECT. Y-Y



DETAIL A
(SCALE 2:1)



DETAIL B
(SCALE 2:1)

注記

- 一般公差: ± 0.5
GENERAL TOLERANCES: ± 0.5
 - 各部の反りは2.0MAX.
WARP: 2.0MAX.
- △ トレイの中の製品の向きは (a) 又は (b) とし、かつ同一トレイ中の製品の向きはどちらか一方で統一
PRODUCT DIRECTION SHOULD BE (a) OR (b).
ALL PRODUCTS MUST FACED THE SAME DIRECTION IN THE TRAY.

RELEASED	EC NO: J2009-0955		DRWN: YOKUZONO 2008/10/20		CH'KD: HARUYAMA 2008/10/20		APPR: NUKITA 2008/10/20		REV		DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION		55959-***7*		55959-***3*		適用製品番号		APPLICABLE PART No.	
	0		10 UNDER		10 OVER		30 UNDER		30 OVER		ANGULAR		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MM ONLY		1:2		METRIC		TITLE		55959-***7*		55959-***3*		適用製品番号		APPLICABLE PART No.	
	0		Y. TOKUZONO		T. HARUYAMA		N. UKITA		098910030		098910030		098910030		098910030		098910030		098910030		098910030		098910030		098910030		098910030		098910030	
	0		Y. TOKUZONO		T. HARUYAMA		N. UKITA		098910030		098910030		098910030		098910030		098910030		098910030		098910030		098910030		098910030		098910030		098910030	

DO NOT SCALE DRAWING

DWG. NO. SD-55959-003

F

D

V

C

B

EC NO.
DRWN:
CHK:
APPR:

8

EC NO.
DRWN:
CHK:
APPR:

7

EC NO. J2004-3728
DRWN:Y.WADA '04/04/09
CHK: M.SASAO
APPR:M.SASAO
REVISED

F

EC NO. J2003-3290
DRWN:N.IITO '03/06/26
CHK: K.ASAKAWA
APPR:T.YAMAGUCHI
REVISED

E

DESCRIPTION
REV

6

MATERIAL
材料
注記参照
SEE NOTES

5

FINISH
仕上げ
//

4

WIRE RANGE
適用電線範囲
//

3

INS. RANGE
被覆外径
//

2

GENERAL TOLERANCES:
(UNLESS SPECIFIED)
一般公差

1

10 UNDER
未満
±0.2

8

10 OVER
以上
30 UNDER
未満
±0.25

7

30 OVER
以上
±0.3

6

ANGLE 角度
±3°

5

SCALE
//
DRAWN BY & DATE
N.IITO '02/02/24

4

DESIGN UNITS
mm INCH
CHECKED BY & DATE
K.ASAKAWA '03/06/26

3

APPROVED BY & DATE
T.YAMAGUCHI '03/06/26
CAD FILENAME
55959003.S01

2

MODEL NO.
THIRD ANGLE
PROJECTION

1

TITLE: 2.0mm W-t-B DUAL CONN DIP
PLUG HOUSING ASS'Y R/A (WITHOUT BOSS)
-LEAD FREE-

0

MATERIAL NO.
SEE CHART
DRAWING NO.
SD-55959-003
SHEET NO.
1 OF 3

0

8

7

6

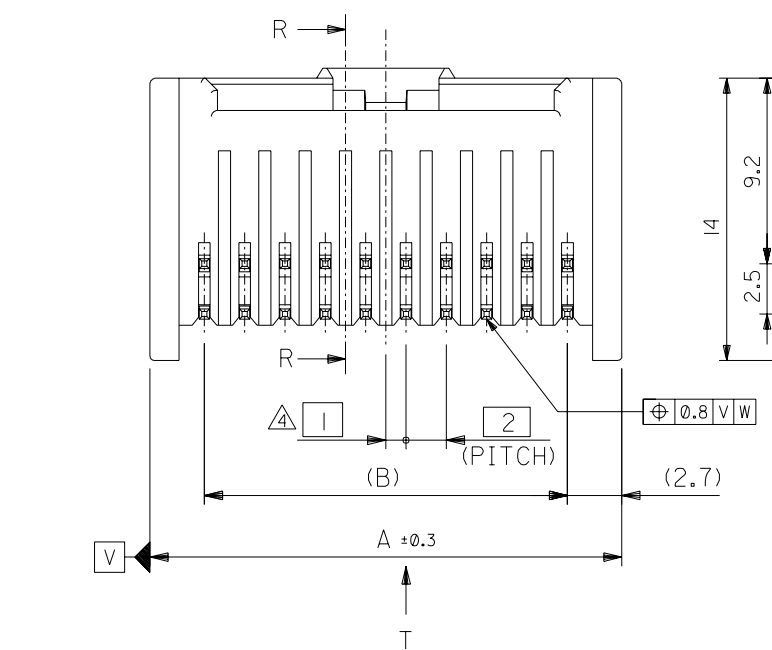
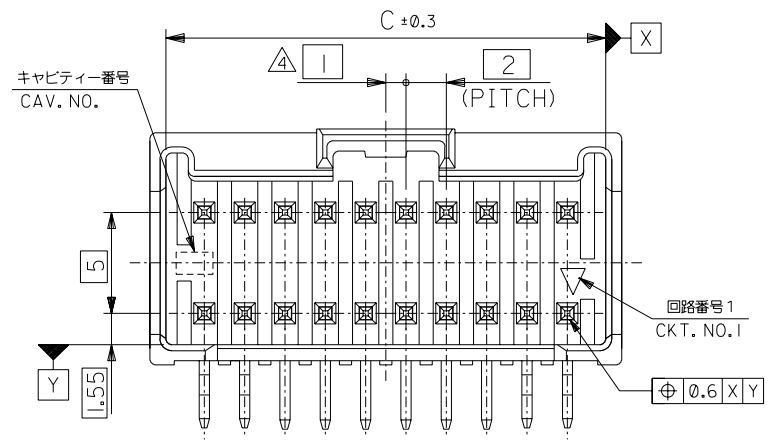
5

4

3

2

1



注記
NOTES

1. 材料 MATERIAL
ピン : 黄銅, 錫メッキ
PIN : BRASS, TIN PLATING
ハウジング : PBT (ガラス入り: 15%), UL94V-0
HOUSING : PBT(G.F.: 15%), UL94V-0
2. 嵌合相手 : 51353シリーズ
MATE WITH : 51353 SERIES
3. ソルダータールキンフは、両端の8ピンのみとする。
KINK TO BE APPLIED FOR 8 PINS
AT BOTH ENDS.

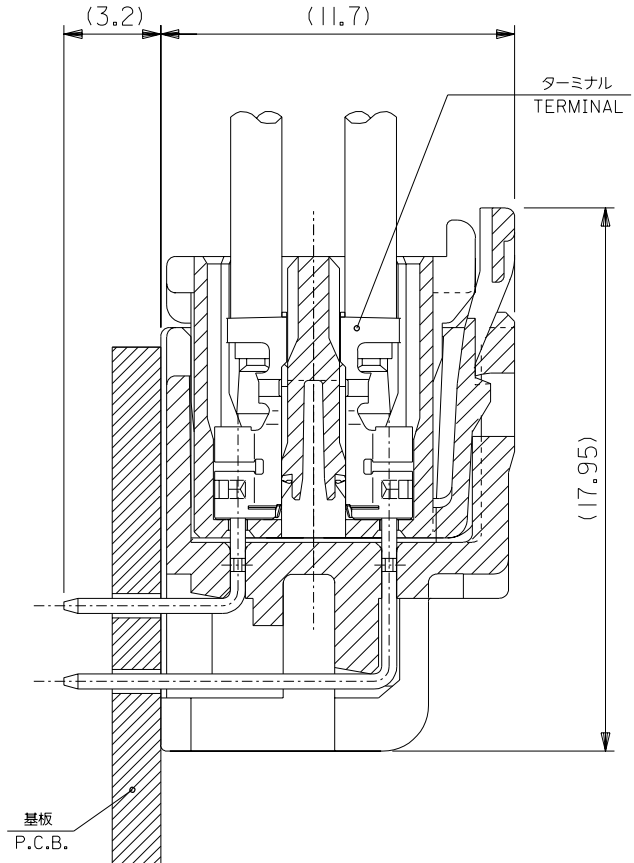
△ (全極数/2) = 偶数の場合に適用。
APPLY FOR (CIRCUIT/2)=EVEN
△ 製品番号
MATERIAL NO.
55959-***3*
極数CIRCUIT SIZE 色 COLOR

ナチュラル (白) NATURAL (WHITE)	0
黒 BLACK	1
赤 RED	2
黄 YELLOW	3
青 BLUE	4
桃 PINK	5
緑 GREEN	6
茶 BROWN	7
橙 ORANGE	8
紫 VIOLET	9

41.8	38	43.4	55959-403*	40
39.8	36	41.4	-383*	38
37.8	34	39.4	-363*	36
35.8	32	37.4	-343*	34
33.8	30	35.4	-323*	32
31.8	28	33.4	-303*	30
29.8	26	31.4	-283*	28
27.8	24	29.4	-263*	26
25.8	22	27.4	-243*	24
23.8	20	25.4	-223*	22
21.8	18	23.4	-203*	20
19.8	16	21.4	-183*	18
17.8	14	19.4	-163*	16
15.8	12	17.4	-143*	14
13.8	10	15.4	-123*	12
11.8	8	13.4	-103*	10
9.8	6	11.4	55959-083*	8
C	B	A	△ MATERIAL NO.	CKT.

F
E
C
B
A

1



8 CIRCUIT

MATED DRAWING (REF.)

EC NO. DRWN: CH'K: APPR:		EC NO. DRWN: CH'K: APPR:		EC NO. DRWN: CH'K: APPR:		REVISED EC NO. J2004-3728 DRWN: Y.WADA '04/04/09 CH'K: M.SASAO APPR: M.SASAO		REVISED EC NO. J2003-3290 DRWN: N.ITO '03/06/26 CH'K: K.SAKAWA APPR: T.YAMAGUCHI		MATERIAL 材料 注記参照 SEE NOTES		GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差		55959-***		MODEL NO.		DIMENSIONS:		SHT		REV	
										FINISH 仕上げ —//—		10 UNDER 未満 ±0.2		DRAWN BY & DATE N.ITO '02/02/24		THIRD ANGLE PROJECTION		mm INCH mm ONLY				REVISE ON CAD ONLY	
										30 OVER 以上 ±0.25		10 OVER 以上 ±0.25		CHECKED BY & DATE K.SAKAWA '03/06/26		TITLE: 2.0mm W-+-B DUAL CONN DIP PLUG HOUSING ASS'Y R/A (WITHOUT BOSS) -LEAD FREE-							
										30 OVER 以上 ±0.3		APPROVED BY & DATE T.YAMAGUCHI '03/06/26											
										WIRE RANGE 適用電線範囲 —//—		ANGLE 角度 —//—		CAD FILENAME 55959003.S02		MATERIAL NO. SEE CHART		DRAWING NO. SD-55959-003		SHEET NO. 2 OF 3		SIZE B	
						F		E		INS. RANGE 被覆外径 —//—				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.									

F

D

V

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DO NOT SCALE DRAWING

8

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1

F

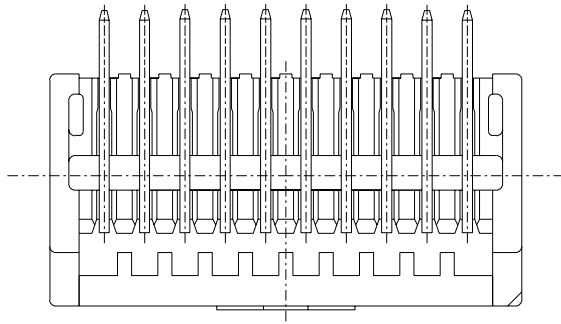
E

D

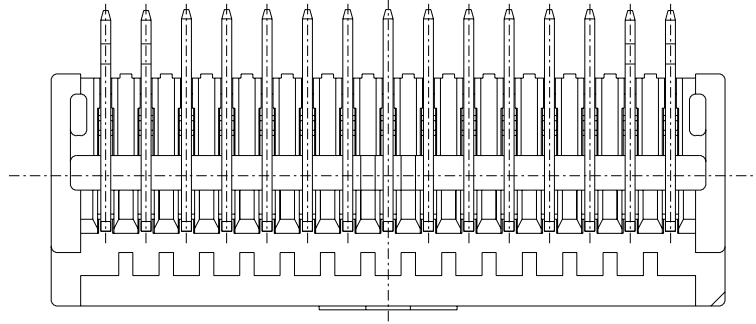
C

B

A
55959003.S03

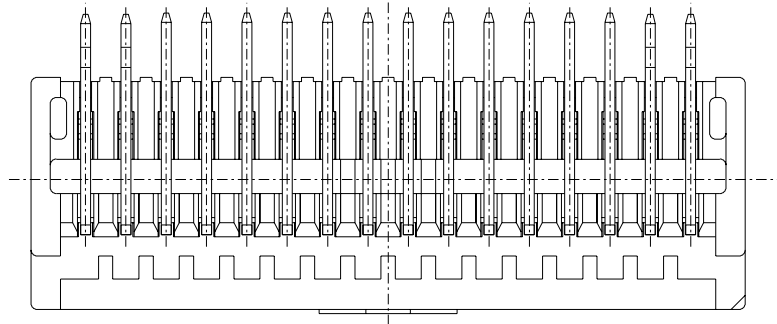


8-20 CIRCUIT



22,26,30,34,38 CIRCUIT

VIEW "T"



24,28,32,36,40 CIRCUIT

EC NO. DRWN: CHK: APPR:		EC NO. DRWN: CHK: APPR:		EC NO. DRWN: CHK: APPR:		REVISED EC NO. J2004-3728 DRWN:Y.WADA '04/04/09 CHK: M.SASAO APPR:M.SASAO		REVISED EC NO. J2003-3290 DRWN:N.ITO '03/06/26 CHK: K.ASAKAWA APPR:T.YAMAGUCHI		DESCRIPTION		MATERIAL 材料 注記参照 SEE NOTES		GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差		55959-***3*		MODEL NO.		DIMENSIONS:		SHT	REV
												FINISH 仕上げ ——//——		10 UNDER 未満 ±0.2		SCALE —— DESIGN UNITS ☒ mm ☐ INCH		 THIRD ANGLE PROJECTION		☐ mm INCH ☐ mm ☒ mm ONLY		REVISE ON CAD ONLY	
														10 OVER 30 UNDER 以上 未満 ±0.25		DRAWN BY & DATE N.ITO '02/02/24		CHECKED BY & DATE K.ASAKAWA '03/06/26		TITLE: 2.0mm W-+-B DUAL CONN DIP PLUG HOUSING ASS'Y R/A (WITHOUT BOSS) -LEAD FREE-			
														30 OVER 以上 ±0.3		APPROVED BY & DATE T.YAMAGUCHI '03/06/26		 MOLEX INCORPORATED					
												WIRE RANGE 適用電線範囲 ——//——		ANGLE 角度 ±3°		CAD FILENAME 55959003.S03		MATERIAL NO. SEE CHART		DRAWING NO. SD-55959-003		SHEET NO. 3 OF 3	
						F		E		REV		INS. RANGE 被覆外径 ——//——				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.				SIZE B			