

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0559593030

Status:

Active

Overview:

microclasp

Description:

2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Header, Dual Row, Right Angle, 30 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

30

30

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

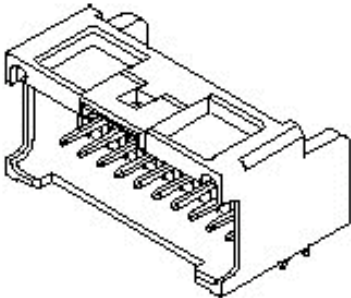
250V

Material Info

Reference - Drawing Numbers

Packaging Specification

SPK-55959-001



Series

image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

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

55959Series

Mates With

51353 MicroClasp™ Wire-to-Board Receptacle Housing

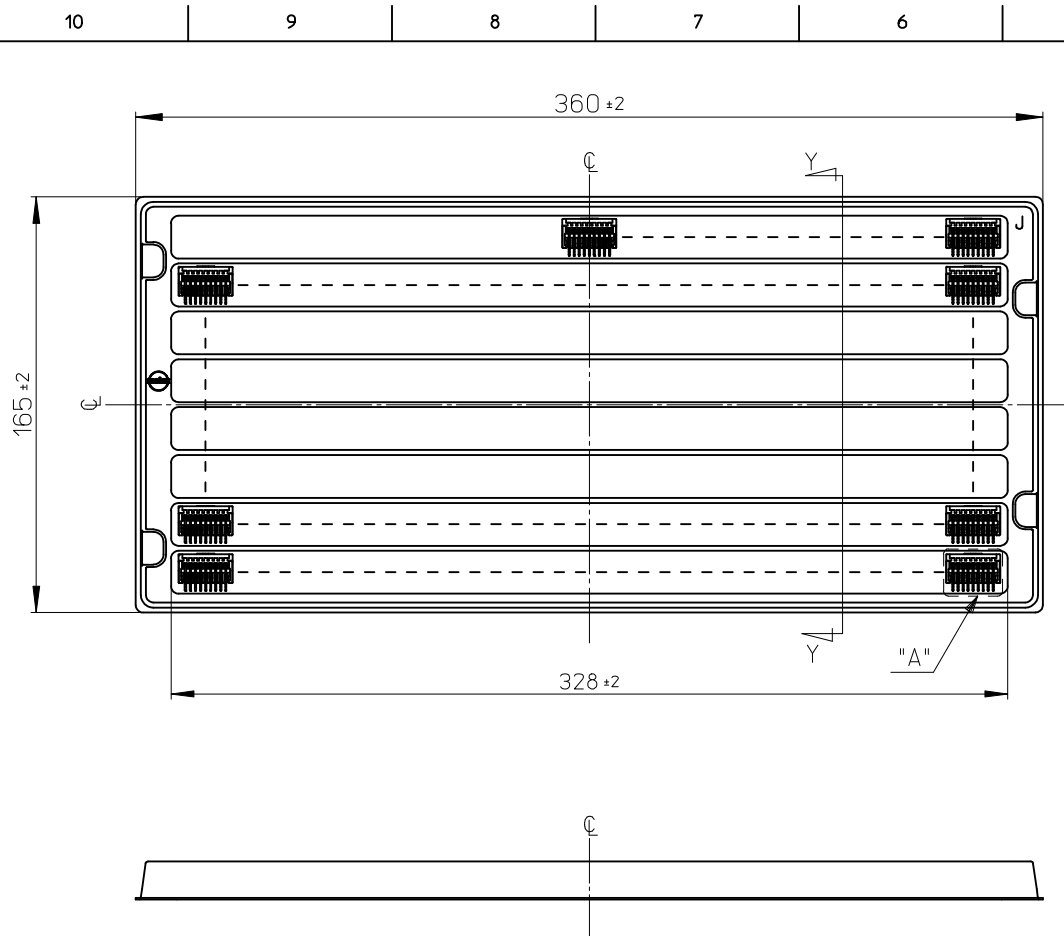
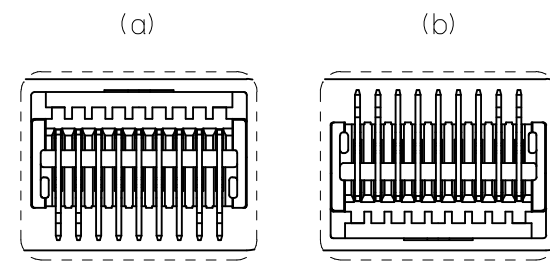
Product Specification

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

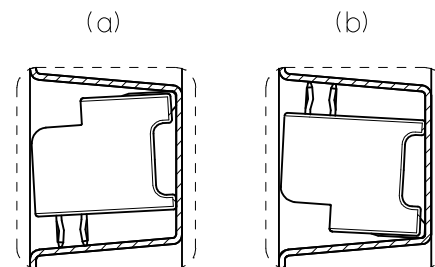
Sales Drawing

This document was generated on 05/25/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



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	2008/10/20	DRWN:YOKUZO	2008/10/20	CHKD: HARUYAMA	2008/10/20	APPR:NUKITA	2008/10/20	<div>GENERAL TOLERANCES (UNLESS SPECIFIED)</div>		<div>DIMENSION STYLE MM ONLY</div>		SCALE 1:2	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	APPLICABLE PART NO.	
	0	REV	10 UNDER		± ---		DRAWN BY Y. TOKUZO		DATE 2008/10/17		TITLE TRAY FOR 55959 (2.0MM W-T-B DUAL CONN. DIP PLUG HOUSING ASS'Y)							
			10 OVER 30 UNDER		± ---		CHECKED BY T. HARUYAMA		DATE 2008/10/17		MOLEX MOLEX INCORPORATED							
			30 OVER		± ---		APPROVED BY N. UKITA		DATE 2008/10/17									
			ANGULAR		± --- °		MATERIAL NO. 098910030		DOCUMENT NO. SD-55959-001							SHEET NO. 1 OF 1		
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																

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.
DRWN:
CHK:
APPR:

6

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

F

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

E

DESCRIPTION
WIRE RANGE
適用配線範囲

REV

MATERIAL
材料

4

FINISH
仕上げ

5

WIRE RANGE
適用配線範囲

6

INS. RANGE
被覆外径

7

GENERAL TOLERANCES:
(UNLESS SPECIFIED)
一般公差

8

10 UNDER
未満

10

10 OVER
以上

30

30 UNDER
未満

30

30 OVER
以上

30

ANGLE 角度

±3°

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

SCALE

DESIGN UNITS
mm INCH

MODEL NO.

THIRD ANGLE
PROJECTION

TITLE: 2.0mm W+-B DUAL CONN DIP
PLUG HOUSING ASS'Y R/A (WITHOUT BOSS)
-LEAD FREE-

MOLEX INCORPORATED

MATERIAL NO.

DRAWING NO.

SHEET NO.

REVISE ON
CAD ONLY

SHT

REV

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
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SIZE
B

EN-02J(097) MXJ-54

55959003.S01

55959-003

55959-003

55959-003

55959-003

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55959-003

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15.8 12 17.4 -143* 14

13.8 10 15.4 -123* 12

11.8 8 13.4 -103* 10

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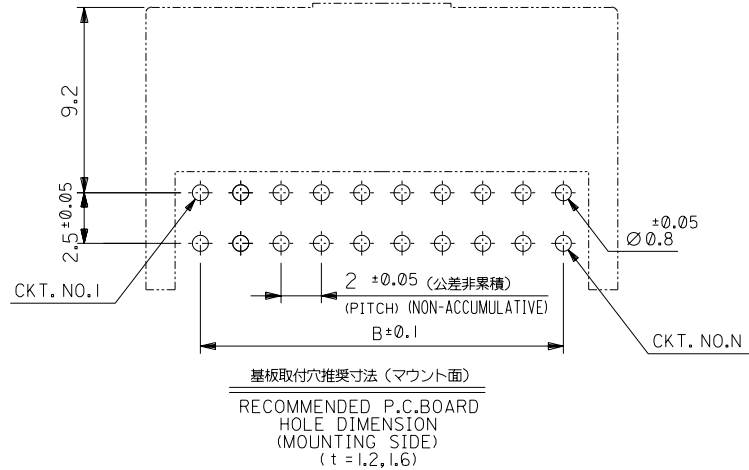
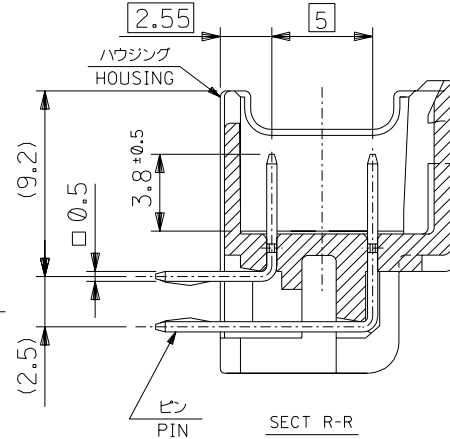
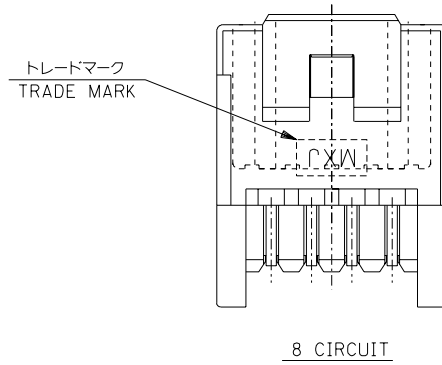
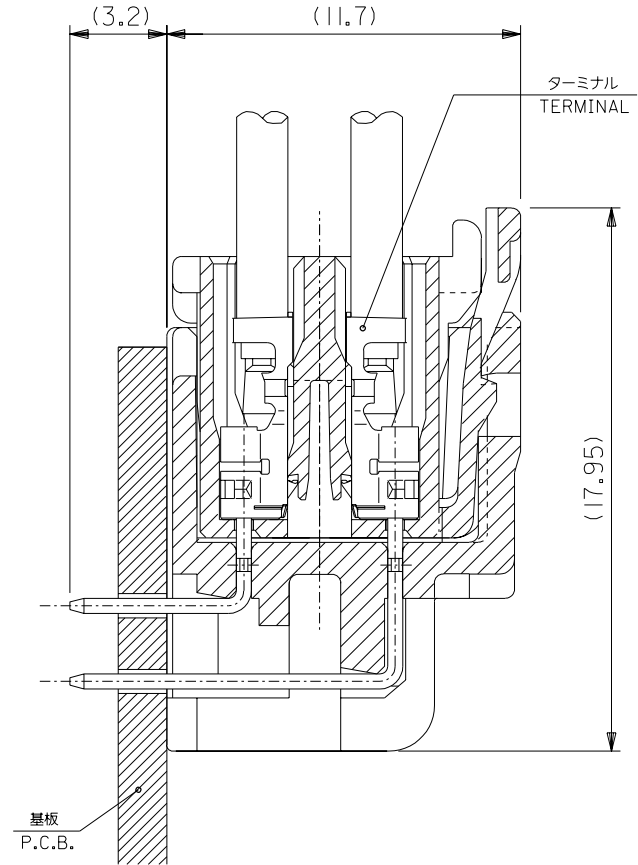
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嵌合断面図 (参考)
MATED DRAWING (REF.)

EC NO.										55959-***3*										MODEL NO.		DIMENSIONS:			SHT		REV	
DRWN: CH'K: APPR:										SCALE: DESIGN UNITS										THIRD ANGLE PROJECTION		☐ mm ☐ INCH ☒ mm ONLY					REVISE ON CAD ONLY	
EC NO. J20004-3728										DRAWN BY & DATE N.ITO '02/02/24																		
DRWN: Y.WADA '04/04/09										CHECKED BY & DATE K.ASAKAWA '03/06/26																		
CH'K: M.SASAO										APPROVED BY & DATE T.YAMAGUCHI '03/06/26																		
APPR: M.SASAO										CAD FILENAME 55959003.S02										MATERIAL NO. SEE CHART		DRAWING NO. SD-55959-003			SHEET NO. 2 OF 3		SIZE B	
REVISED										MATERIAL 注記参照 SEE NOTES																		
EC NO. J20003-3290										FINISH 仕上り //																		
DRWN: N.ITO '03/06/26										WIRE RANGE 適用電線範囲 //																		
CH'K: K.ASAKAWA										ANGLE 角度 ±3°																		
APPR: T.YAMAGUCHI										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.																		
REVISED										INS. RANGE 被覆外径 //																		
EC NO. J20004-3728																												
DRWN: Y.WADA '04/04/09																												
CH'K: M.SASAO																												
APPR: M.SASAO																												

F

D

V

C

B

DO NOT SCALE DRAWING

8

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1

F

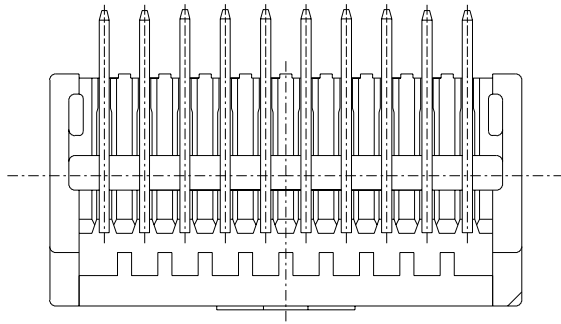
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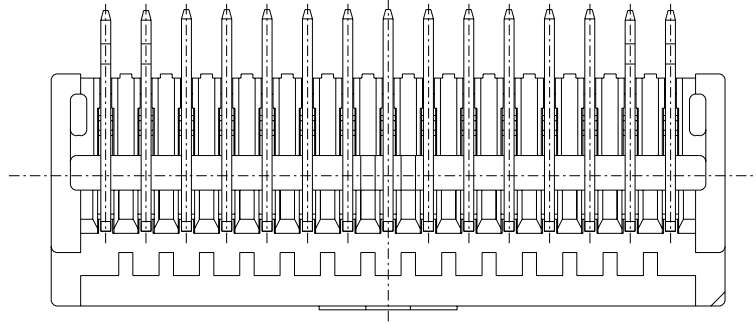
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B

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55959003.S03

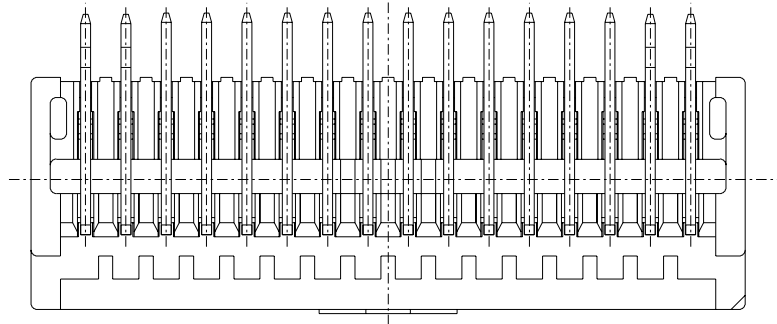


8-20 CIRCUIT



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 ☒ mm ONLY		REVISE ON CAD ONLY			
												---//---		10 OVER 30 UNDER 以上 未満		±0.25		DRAWN BY & DATE N.ITO '02/02/24		TITLE: 2.0mm W-+-B DUAL CONN DIP PLUG HOUSING ASS'Y R/A (WITHOUT BOSS) -LEAD FREE-							
												30 OVER 以上		±0.3		CHECKED BY & DATE K.ASAKAWA '03/06/26		APPROVED BY & DATE T.YAMAGUCHI '03/06/26									
												WIRE RANGE 適用電線範囲		---//---		±3°		ANGLE 角度		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			