

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0559592030

Status:

Active

Overview:

microclasp

Description:

2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Header, Dual Row, Right Angle, 20 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-51353-003 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

MolexKits

Overview

Product Name

PCB Headers

55959

Wire-to-Board

Yes

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

20

20

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

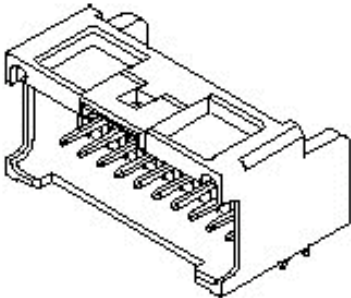


image - Reference only

Series

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

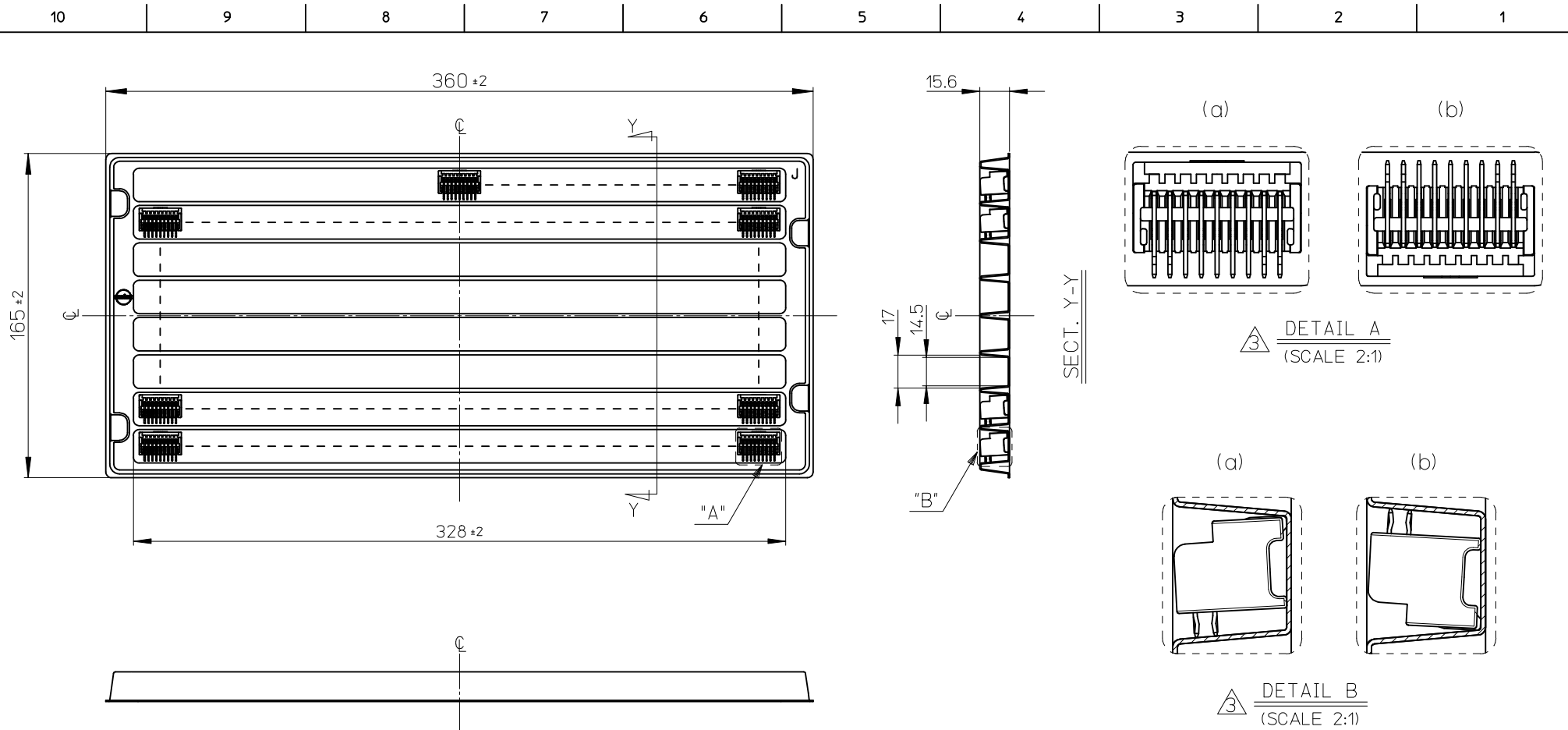
Product Specification

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 06/07/2010

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注記

1. 一般公差 : ± 0.5
GENERAL TOLERANCES: ± 0.5
 2. 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: Y. TOKUZONO 2008/10/20 CHKD: T. HARUYAMA 2008/10/20 APPR: NUKITA 2008/10/20	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:2	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± ---	DRAWN BY Y. TOKUZONO	DATE 2008/10/17	TITLE TRAY FOR 55959 (2.0MM W-T-B DUAL CONN. DIP PLUG HOUSING ASS'Y) MOLEX INCORPORATED			
		10 OVER 30 UNDER	± ---	CHECKED BY T. HARUYAMA	DATE 2008/10/17				
		30 OVER	± ---	APPROVED BY N. UKITA	DATE 2008/10/17				
		ANGULAR ± --- °		MATERIAL NO. 098910030					DOCUMENT NO. SD-55959-001
	REV	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

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

7

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

6

DESCRIPTION
MATERIAL
材料
注記参照
SEE NOTES

5

FINISH
仕上げ
WIRE RANGE
適用電線範囲
INS. RANGE
被覆外径

4

GENERAL TOLERANCES:
(UNLESS SPECIFIED)
一般公差

3

10 UNDER
未満

3

10 OVER
以上

2

30 UNDER
未満

1

30 OVER
以上

0

ANGLE 角度

0

CAD FILENAME
55959003.S01

0

APPROVED BY & DATE
T.YAMAGUCHI '03/06/26

0

CHECKED BY & DATE
K.ASAKAWA '03/06/26

0

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

0

SCALE
1:1

0

DESIGN UNITS
mm

0

MODEL NO.
55959-***3*

0

THIRD ANGLE
PROJECTION

0

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

0

MOLEX INCORPORATED

0

MATERIAL NO.
SEE CHART

0

DRAWING NO.
SD-55959-003

0

SHEET NO.
1 OF 3

0

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

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SIZE
B

0

EN-02J(097) MXJ-54

0

55959003.S01

0

55959-003

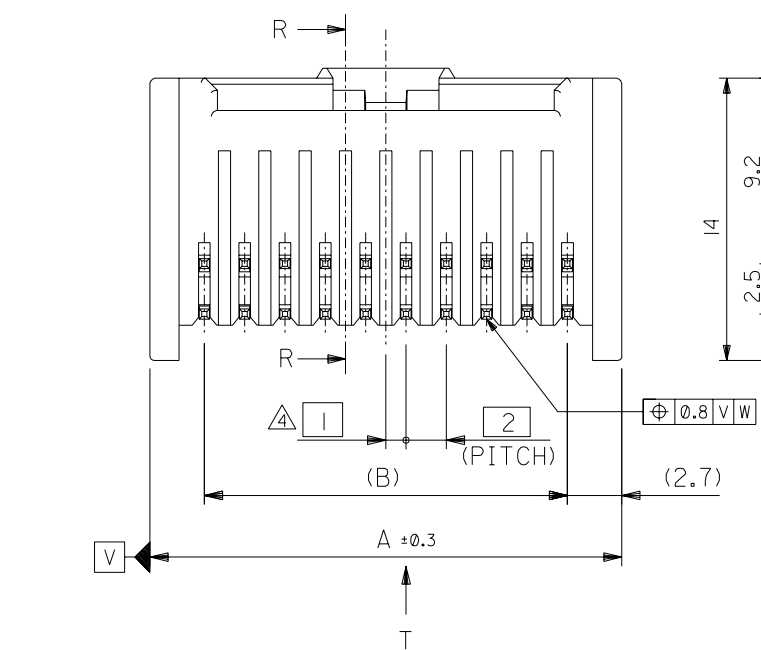
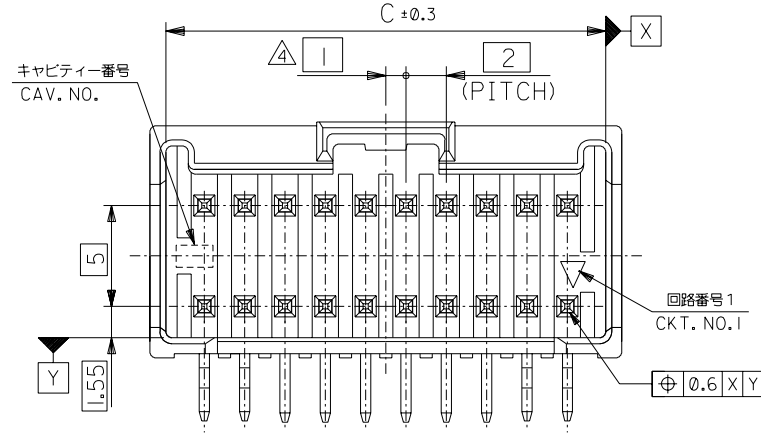
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55959-003

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55959-003

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注記
NOTES

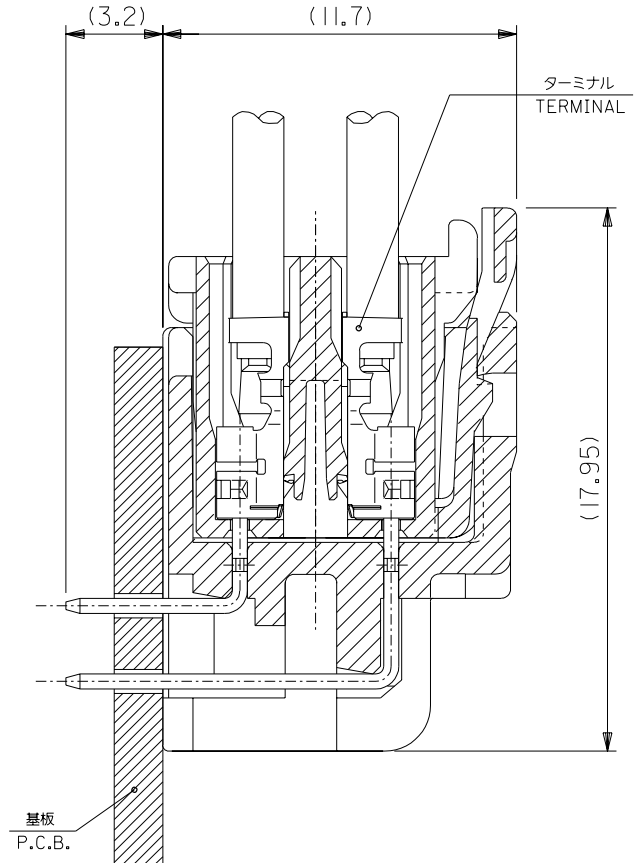
1. 材料 MATERIAL
ピン : 黄銅, 錫メッキ
PIN : BRASS, TIN PLATING
ハウジング : PBT (ガラス入り: 15%), UL94V-0
HOUSING : PBT(G.F.: 15%), UL94V-0
2. 嵌合相手 : 51353シリーズ
MATE WITH : 51353 SERIES
3. ソルダータールキンフは、両端の8ピンのみとする。
KINK TO BE APPLIED FOR 8 PINS
AT BOTH ENDS.

△ (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

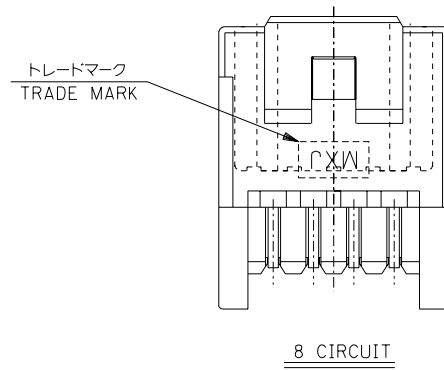
41.8	38	43.4	55959-403*	40
39.8	36	41.4	-383*	38
37.8	34	39.4	-363*	36
35.8	32	37.4	-343*	34
33.8	30	35.4	-323*	32
31.8	28	33.4	-303*	30
29.8	26	31.4	-283*	28
27.8	24	29.4	-263*	26
25.8	22	27.4	-243*	24
23.8	20	25.4	-223*	22
21.8	18	23.4	-203*	20
19.8	16	21.4	-183*	18
17.8	14	19.4	-163*	16
15.8	12	17.4	-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.

1



嵌合断面图 (参考)

MATED DRAWING (REF.)



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		SCALE —//—			DESIGN UNITS ☑mm □INCH			THIRD ANGLE PROJECTION ☉	mm INCH	mm INCH	mm ONLY	REVISE ON CAD ONLY										
																10 UNDER 未満	±0.2	DRAWN BY & DATE N.ITO '02/02/24	TITLE: 2.0mm W-t-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.S02	MATERIAL NO. SEE CHART	DRAWING NO. SD-55959-003	SHEET NO. 2 OF 3			SIZE B								
								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

C

B

DO NOT SCALE DRAWING

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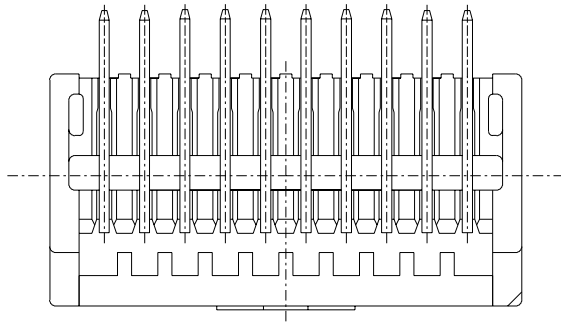
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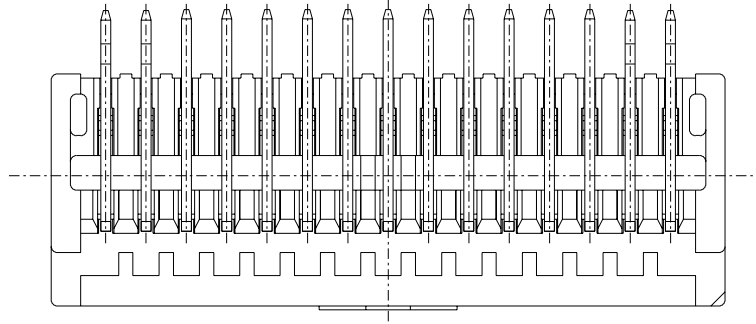
C

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55959003.S03

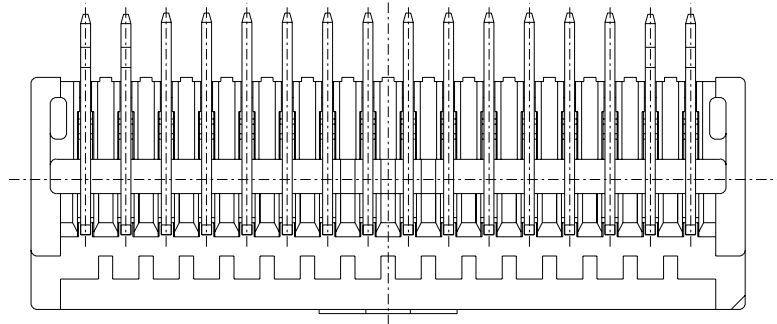


8-20 CIRCUIT



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	☐ INCH mm	☒ mm ONLY	REVISE ON CAD ONLY
												--//		30 OVER 以上	30 UNDER 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		--//	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		