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Part Number:

0559593830

Status:

Active

Overview:

microclasp

Description:

2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Header, Dual Row, Right Angle, 38 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-51353-003 (PDF)

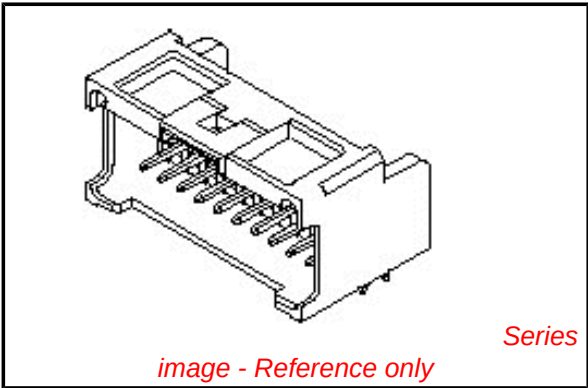
RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Headers
Series	55959
Application	Wire-to-Board
Overview	microclasp
Product Name	MicroClasp™
Physical	
Breakaway	No
Circuits (Loaded)	38
Circuits (maximum)	38
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.126 In
PC Tail Length (mm)	3.20 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.045 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-25°C to +85°C
Termination Interface: Style	Through Hole

Electrical	
Current - Maximum per Contact	3A
Voltage - Maximum	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 Reviewed

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

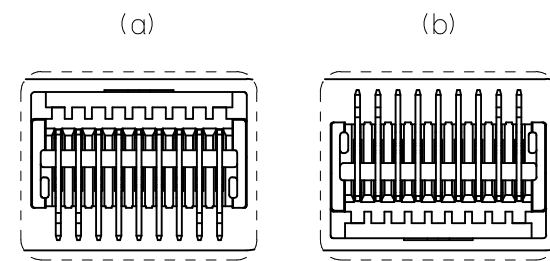
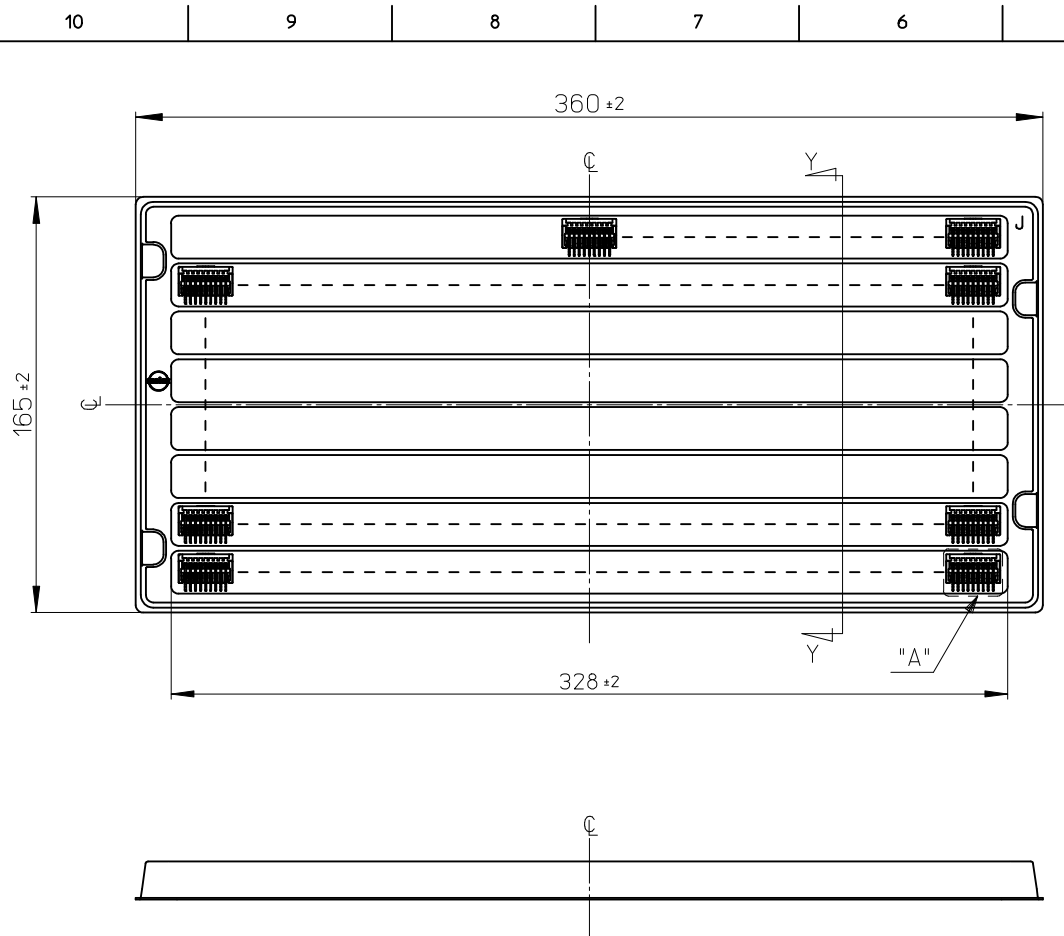
Product Specification

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

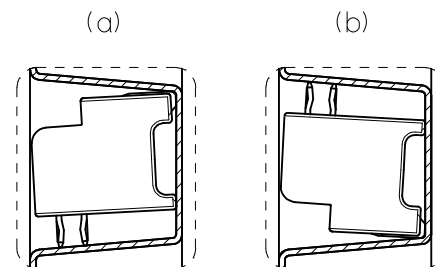
Sales Drawing

This document was generated on 05/25/2010

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DETAIL A
(SCALE 2:1)

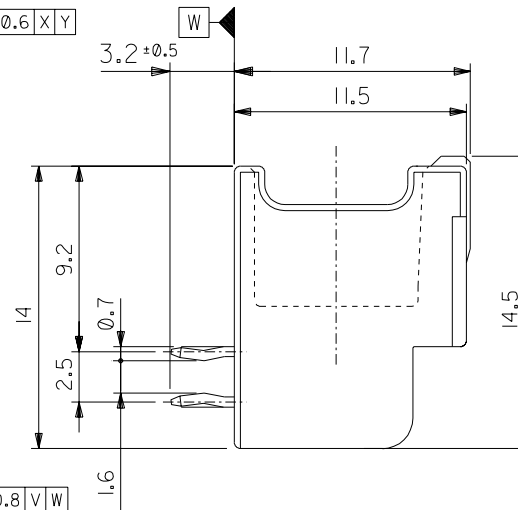


DETAIL B
(SCALE 2:1)

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.

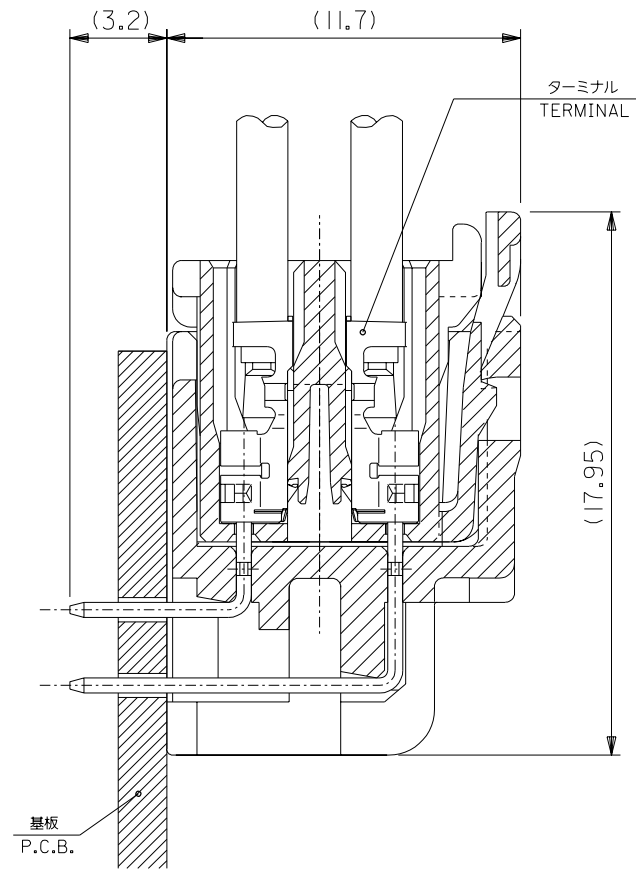
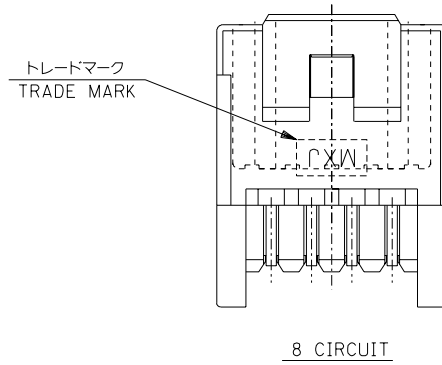
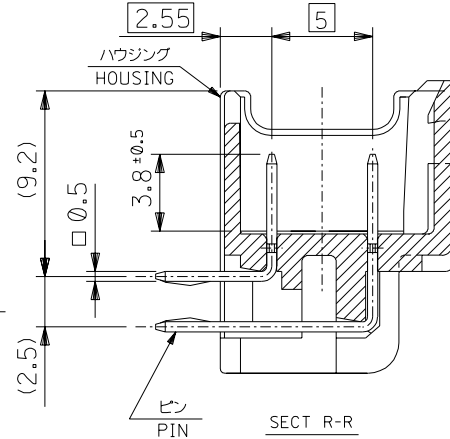
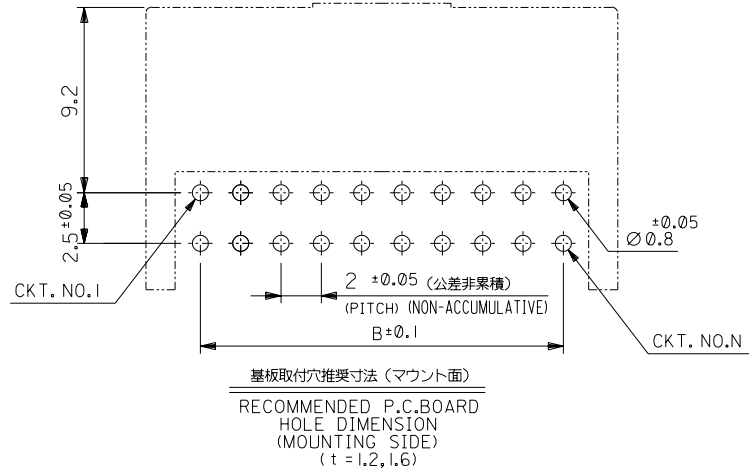
RELEASED	EC NO: J2009-0955	2008/10/20	DRWN:Y.TOKUZONO	2008/10/20	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	CH'KD:THARUYAMA	2008/10/20	APPR:NUKITA	2008/10/20		MM ONLY		1:2	METRIC		
	DESCRIPTION					DRAWN BY	DATE	TITLE			
	10 UNDER					Y. TOKUZONO	2008/10/17	TRAY FOR 55959 (2.0MM W-T-B DUAL CONN. DIP PLUG HOUSING ASS'Y)			
	10 OVER 30 UNDER					CHECKED BY	DATE				
30 OVER				T. HARUYAMA	2008/10/17	MOLEX INCORPORATED					
ANGULAR				APPROVED BY	DATE						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				N. UKITA	2008/10/17	DOCUMENT NO.				SHEET NO.	
				098910030		SD-55959-001				1 OF 1	
REV				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



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.

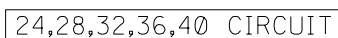
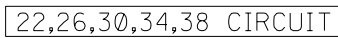
EC NO. DRWN: CHK'g: APPR:			EC NO. DRWN: CHK'g: APPR:			EC NO. DRWN: CHK'g: APPR:			REVISED EC NO. J2004-3728 DRWN: Y. WADA '04/04/09 CHK'g: M. SASAO APPR: M. SASAO			REVISED EC NO. J2003-3290 DRWN: N. ITO '03/06/26 CHK'g: K. ASAKAWA APPR: T. YAMAGUCHI			DESCRIPTION			MATERIAL 材料 注記参照 SEE NOTES			GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差			SCALE —//			DESIGN UNITS ☒ mm ☐ INCH			THIRD ANGLE PROJECTION ☐ mm ☐ INCH ☒ mm ONLY			REVISE ON CAD ONLY								
																		FINISH 仕上げ —//			10 UNDER 未満			+0.2			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-											
																					10 OVER 以上			30 UNDER 未満			+0.25												CHECKED BY & DATE K. ASAKAWA '03/06/26		
																								30 OVER 以上			+0.3			APPROVED BY & DATE T. YAMAGUCHI '03/06/26			MOLEX MOLEX INCORPORATED								
																		WIRE RANGE 適用電線範囲 —//			ANGLE 角度			+3°			CAD FILENAME 55959003.S01			MATERIAL NO. SEE CHART			DRAWING NO. SD-55959-003			SHEET NO. 1 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		

55959003.S01 A



嵌合断面図 (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			SCALE --- DESIGN UNITS ☒ mm ☐ INCH		THIRD ANGLE PROJECTION		DIMENSIONS: ☐ mm INCH ☐ mm ☒ mm ONLY		SHT REV		
																					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-					
																		10 OVER 以上		30 UNDER 未満		±0.25		CHECKED BY & DATE K.ASAKAWA '03/06/26								
																					30 OVER 以上		±0.3		APPROVED BY & DATE T.YAMAGUCHI '03/06/26		MOLEX INCORPORATED					
																					ANGLE 角度		±3°		CAD FILENAME 55959003.S02							
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VIEW "T"

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			MATERIAL 材料 注記参照 SEE NOTES			GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差			55959-***3*		MODEL NO.		DIMENSIONS: ☐mm INCH ☐mm INCH ☒mm ONLY		SHT REV					
																		SCALE --H--		DESIGN UNITS ☒mm ☐INCH		THIRD ANGLE PROJECTION						REVISE ON CAD ONLY				
																		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-												
															CHECKED BY & DATE K. ASAKAWA '03/06/26																	
																		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	
																		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					