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Part Number: [0559171210](#)
Status: **Active**
Overview: [microclasp](#)
Description: 2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Header, Dual Row, Vertical, 12 Circuits, with PCB Locator

Documents:

3D Model	Product Specification PS-51353-010 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-51353-003 (PDF)	

Agency Certification

UL	E29179
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General

Product Family	PCB Headers
Series	55917
Application	Wire-to-Board
Overview	microclasp
Product Name	MicroClasp™

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
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	Vertical
PC Tail Length (in)	0.126 In
PC Tail Length (mm)	3.20 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 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

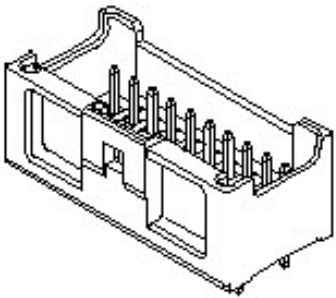


image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**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

[55917Series](#)

Mates With

[51353](#) MicroClasp™ Wire-to-Board
Receptacle Housing

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-55917-001
Product Specification	PS-51353-003, PS-51353-010, RPS-501844-001, RPS-51353-005, RPS-51353-008, RPS-51353-009, RPS-51353-010, RPS-51353-013, RPS-51353-014, RPS-51353-016, RPS-51353-018, RPS-51353-019, RPS-51353-020, RPS-51353-021, RPS-51353-022, RPS-51353-023, RPS-51353-024, RPS-51353-025, RPS-51353-026, RPS-51353-028, RPS-51353-030, RPS-51353-031
Sales Drawing	SD-55917-003

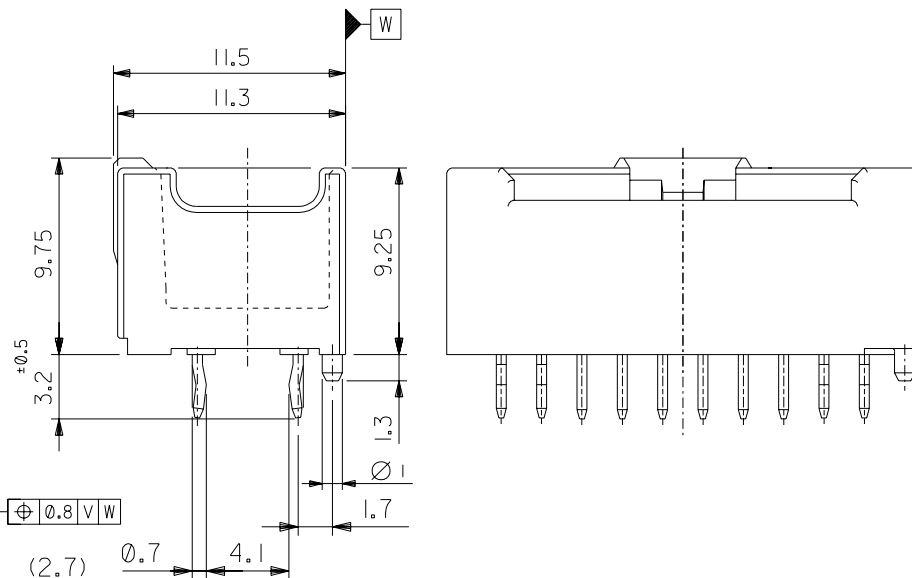
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1. 材料 MATERIAL
ピン : 黄銅, ニッケル下地鍍メッキ
PIN : BRASS, Sn OVER Ni PLATED
ハウジング : PBT (ガラス入り:15%)、UL94V-0
HOUSING : PBT(G.F.:15%), UL94V-0
2. 嵌合相手 : 51353シリーズ
MATE WITH : 51353 SERIES
3. ソルダータールキンは、両端の8ピンのみとする。
KINK TO BE APPLIED FOR 8 PINS
AT BOTH ENDS.

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



無鉛
LEAD FREE

41.8	38	43.4	55917-40 *	40
39.8	36	41.4	↑ -38 *	38
37.8	34	39.4	-36 *	36
35.8	32	37.4	-34 *	34
33.8	30	35.4	-32 *	32
31.8	28	33.4	-30 *	30
29.8	26	31.4	-28 *	28
27.8	24	29.4	-26 *	26
25.8	22	27.4	-24 *	24
23.8	20	25.4	-22 *	22
21.8	18	23.4	-20 *	20
19.8	16	21.4	-18 *	18
17.8	14	19.4	-16 *	16
15.8	12	17.4	-14 *	14
13.8	10	15.4	↓ -12 *	12
11.8	8	13.4	-10 *	10
9.8	6	11.4	55917-08 *	8
C	B	A	△ MATERIAL NO.	CKT.

D	REVISED ES NO. J2003-3290 DRWN:N.ITO '03/06/26 CHK: K.ASAKAWA APPR: T.YAMAGUCHI
C	REVISED ES NO. J2003-3134 DRWN:N.ITO '03/06/19 CHK: K.ASAKAWA APPR: T.YAMAGUCHI
B	REVISED ES NO. J2002-2307 DRWN:N.ITO '02/03/18 CHK: K.ASAKAWA APPR: T.YAMAGUCHI
A	REVISED ES NO. J2002-1826 DRWN:N.ITO '02/02/28 CHK: K.ASAKAWA APPR: T.YAMAGUCHI
Ø	RELEASED ES NO. J2002-1196 DRWN:N.ITO '01/02/17 CHK: K.ASAKAWA APPR: T.YAMAGUCHI

MATERIAL 材料	注記参照 SEE NOTES
FINISH 仕上げ	—— //
WIRE RANGE 適用電線範囲	—— //
INS. RANGE 被覆外径	—— //

GENERAL TOLERANCES:
(UNLESS SPECIFIED)
一般公差

10 UNDER 未満	
10 OVER 以上	30 UNDER 未満
30 OVER 以上	
ANGLE 角度	

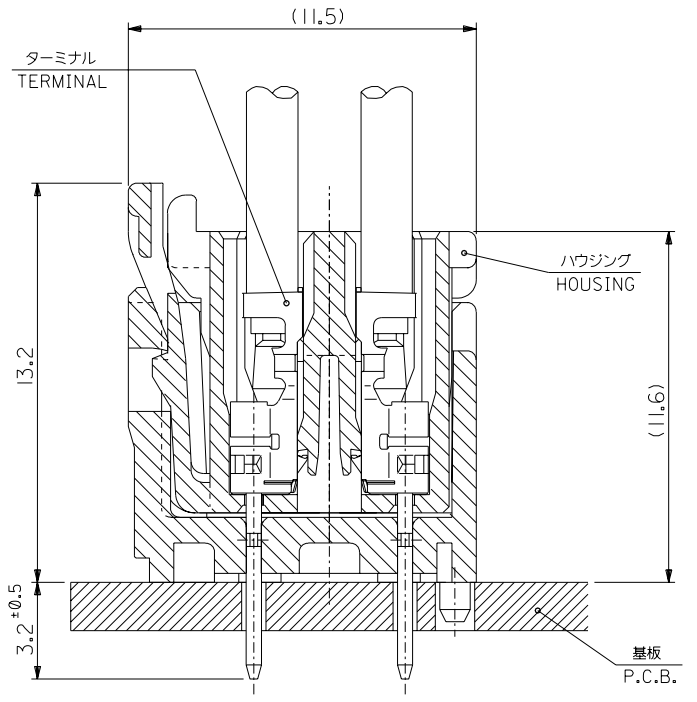
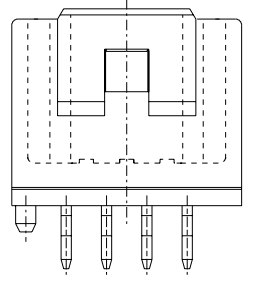
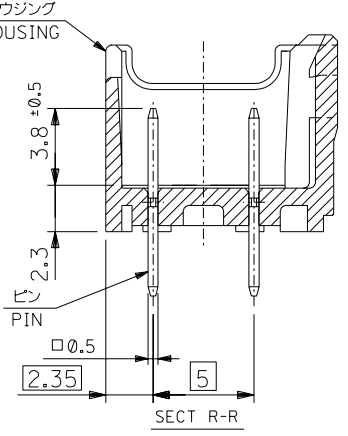
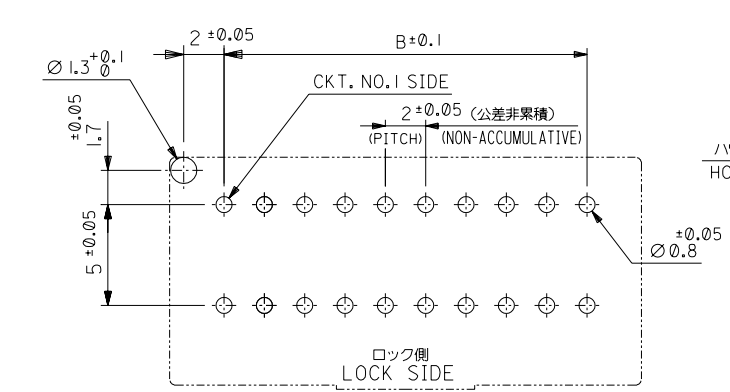
55917-***I*		MODEL NO.		DIMENSIONS:		SHT		REV	
SCALE --	DESIGN UNITS ☒ mm ☐ INCH	 THIRD ANGLE PROJECTION		☐ mm INCH	☐ INCH mm	☒ mm ONLY	REVISION ON CAD ONLY		
DRAWN BY & DATE N.I.TO '01/12/17		TITLE: 2.0mm W-t-B DUAL CONN DIP PLUG HOUSING ASS'Y ST (WITH BOSS)							
CHECKED BY & DATE K.ASAKAWA '03/06/26									
APPROVED BY & DATE T.YAMAGUCHI '03/06/26		 MOLEX INCORPORATED							
CAD FILENAME 55917003.S01		MATERIAL NO. SEE CHART		DRAWING NO. SD-55917-003			SHEET NO. 1 OF 2		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.									SIZE B

REVISED	REVISED	REVISED	REVISED	RELEASED
184NO. J2003-3290 DRWN:N.ITO '03/06/26 CHK: K.ASAKAWA APPR: T.YAMAGUCHI	183NO. J2003-3134 DRWN:N.ITO '03/06/19 CHK: K.ASAKAWA APPR: T.YAMAGUCHI	182NO. J2002-2307 DRWN:N.ITO '02/03/18 CHK: K.ASAKAWA APPR: T.YAMAGUCHI	181NO. J2002-1826 DRWN:N.ITO '02/02/28 CHK: K.ASAKAWA APPR: T.YAMAGUCHI	180NO. J2002-1196 DRWN:N.ITO '01/12/17 CHK: K.ASAKAWA APPR: T.YAMAGUCHI
D	C	B	A	0

MATERIAL 材料	FINISH 仕上げ	WIRE RANGE 適用電線範囲	INS. RANGE 被覆外径
注記参照 SEE NOTES	//	//	//

GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	10 UNDER 未満	±0.2
	10 OVER 30 UNDER 以上 未満	±0.25
	30 OVER 以上	±0.3
ANGLE 角度		±3°

55917-***1*	MODEL NO.	DIMENSIONS:	SHT	REV
SCALE 4:1	DESIGN UNITS ☒ mm ☐ INCH	☐ mm ☐ INCH ☒ mm ONLY	2	2
DRAWN BY & DATE N.ITO '01/12/17		TITLE: 2.0mm W-t-B DUAL CONN DIP PLUG HOUSING ASS'Y ST (WITH BOSS)		
CHECKED BY & DATE K.ASAKAWA '03/06/26		MOLEX INCORPORATED		
APPROVED BY & DATE T.YAMAGUCHI '03/06/26				
CAD FILENAME 55917003.S02		MATERIAL NO. SEE CHART	DRAWING NO. SD-55917-003	SHEET NO. 2 OF 2
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SIZE B				



嵌合断面図 (参考)
MATED DRAWING (REF.)

無鉛
LEAD FREE