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Part Number: [0559173810](#)
Status: **Active**
Overview: [microclasp](#)
Description: 2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Header, Dual Row, Vertical, 38 Circuits, with PCB Locator

Documents:
[3D Model](#) [Product Specification PS-51353-003 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL E29179

General

Product Family PCB Headers
Series [55917](#)
Application Wire-to-Board
Overview [microclasp](#)
Product Name MicroClasp™

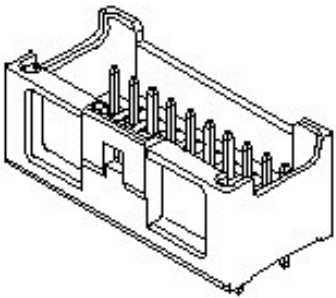
Physical

Breakaway No
Circuits (Loaded) 38
Circuits (maximum) 38
Color - Resin Natural
Durability (mating cycles max) 30
First Mate / Last Break No
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

Material Info



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**Halogen-Free
Status**

China RoHS



Not Reviewed

**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

Reference - Drawing Numbers

Packaging Specification
Product Specification

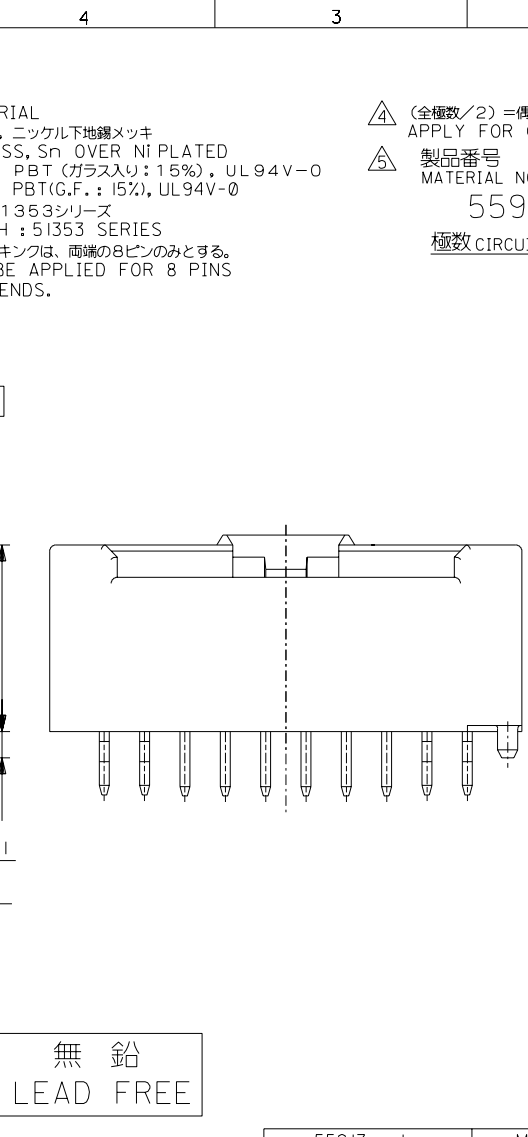
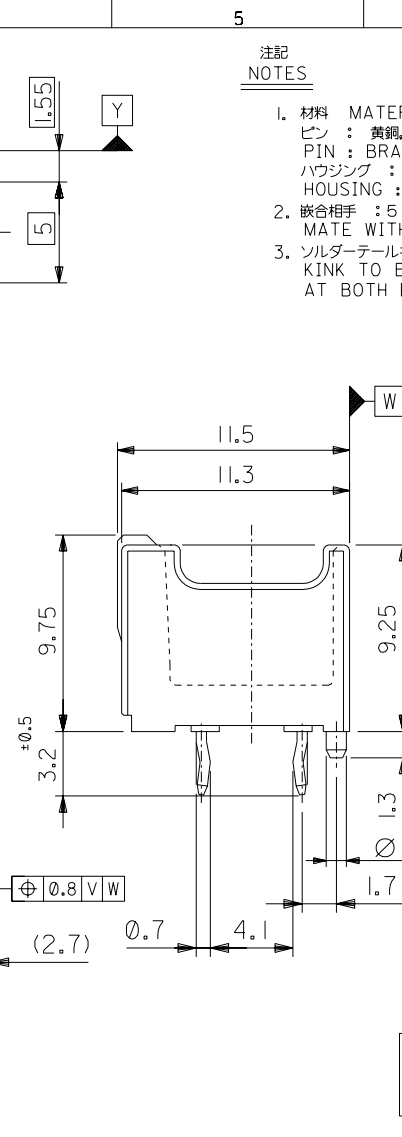
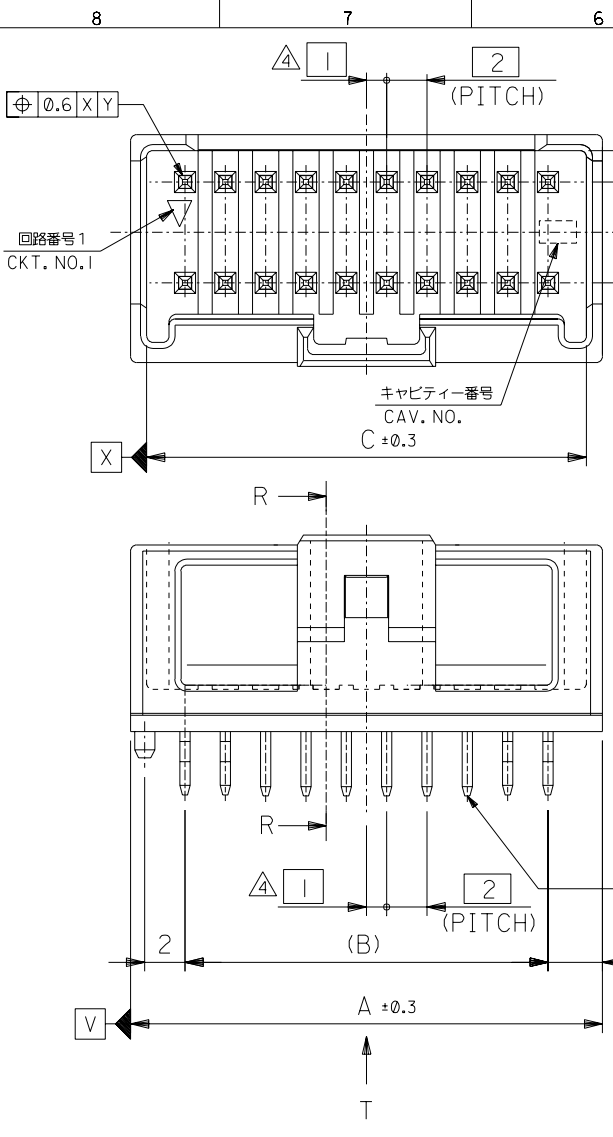
SPK-55917-001
PS-51353-003, RPS-501844-001, RPS-51353-008,
RPS-51353-009, RPS-51353-010, RPS-51353-013,
RPS-51353-014, RPS-51353-016, RPS-51353-018,
RPS-51353-019, RPS-51353-020, RPS-51353-022,
RPS-51353-024, RPS-51353-025, RPS-51353-026,
RPS-51353-030, RPS-51353-031
SD-55917-003

Sales Drawing

This document was generated on 06/07/2010

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DO NOT SCALE DRAWING



注記
NOTES

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.

△ (全極数/2) = 偶数の場合に適用。
APPLY FOR (CIRCUIT/2)=EVEN

△ 製品番号
MATERIAL NO.
55917-***|*
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	55917-401*	40
39.8	36	41.4	-381*	38
37.8	34	39.4	-361*	36
35.8	32	37.4	-341*	34
33.8	30	35.4	-321*	32
31.8	28	33.4	-301*	30
29.8	26	31.4	-281*	28
27.8	24	29.4	-261*	26
25.8	22	27.4	-241*	24
23.8	20	25.4	-221*	22
21.8	18	23.4	-201*	20
19.8	16	21.4	-181*	18
17.8	14	19.4	-161*	16
15.8	12	17.4	-141*	14
13.8	10	15.4	-121*	12
11.8	8	13.4	-101*	10
9.8	6	11.4	55917-081*	8
C	B	A	△ MATERIAL NO.	CKT.

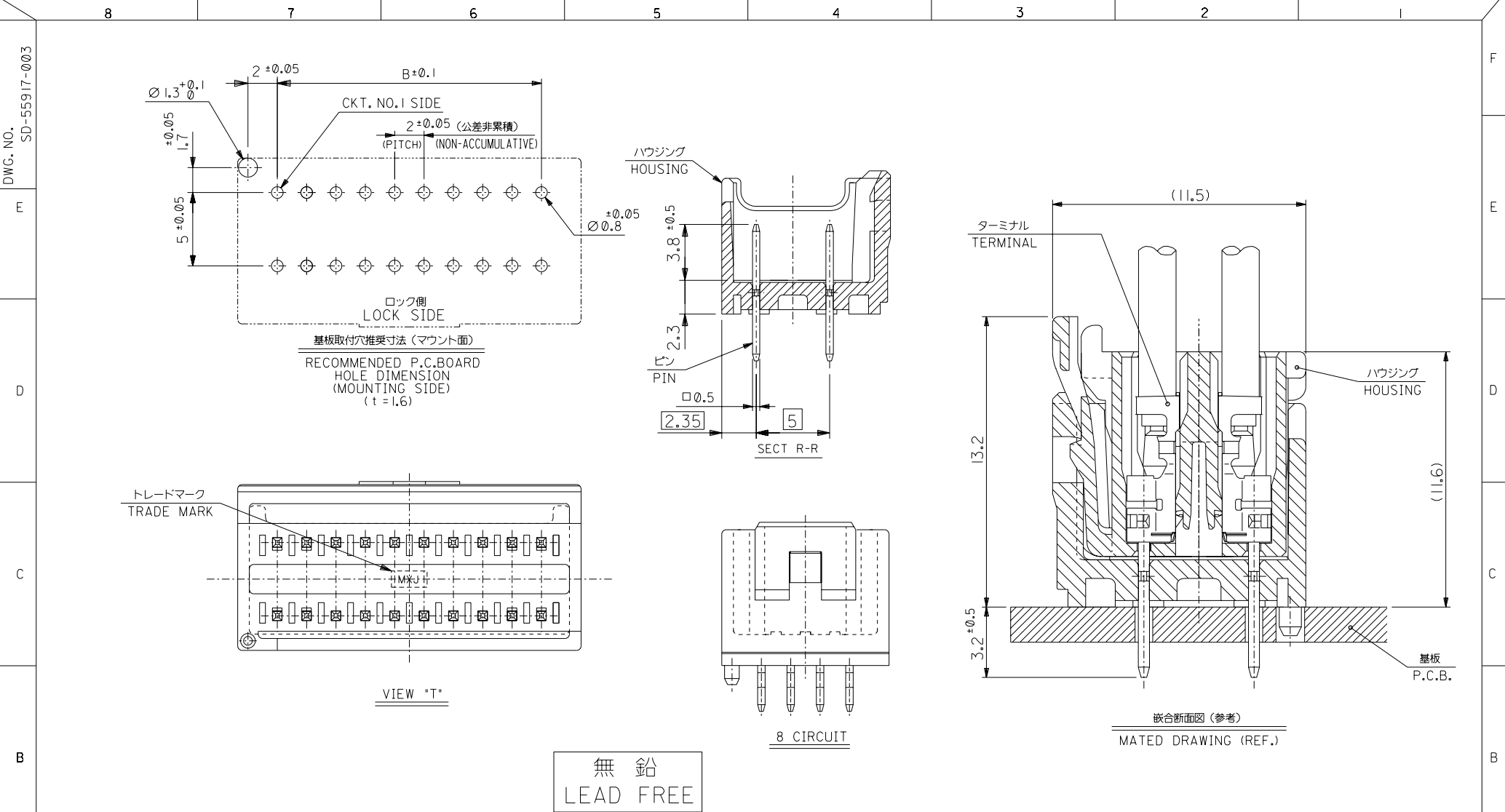
無鉛
LEAD FREE

REVISED	REVISED	REVISED	REVISED	RELEASED
DRWN: N.I.TO '03/06/26	DRWN: N.I.TO '03/06/19	DRWN: N.I.TO '02/03/18	DRWN: N.I.TO '02/02/28	DRWN: N.I.TO '01/12/17
CHK: K. KASAKAWA	CHK: K. KASAKAWA	CHK: K. KASAKAWA	CHK: K. KASAKAWA	CHK: K. KASAKAWA
APPR: T. YAMAGUCHI	APPR: T. YAMAGUCHI	APPR: T. YAMAGUCHI	APPR: T. YAMAGUCHI	APPR: T. YAMAGUCHI
D	C	B	A	0

MATERIAL 材料	注記参照 SEE NOTES
FINISH 仕上り	//
WIRE RANGE 適用配線範囲	//
INS. RANGE 被覆外径	//

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-*** *	MODEL NO.	DIMENSIONS: mm INCH mm INCH mm ONLY	SHT SHEET	REV REVISION
SCALE --- DESIGN UNITS mm INCH	2.0mm W-t-B DUAL CONN DIP PLUG HOUSING ASS'Y ST (WITH BOSS)			
DRAWN BY & DATE N.I.TO '01/12/17	CHECKED BY & DATE K. KASAKAWA '03/06/26			
APPROVED BY & DATE T. YAMAGUCHI '03/06/26	CAD FILENAME 55917003.S01			
MATERIAL NO. SEE CHART		DRAWING NO. SD-55917-003	SHEET NO. 1 OF 2	
2005 DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.				
SIZE B				



DO NOT SCALE DRAWING	REVISED		REVISED		REVISED		REVISED		RELEASED		DESCRIPTION	MATERIAL 材料	注記参照 SEE NOTES		GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	55917-***I*		MODEL NO.		DIMENSIONS:		SHT	REV		
	DRAWN: J2003-3290 DRWN:N.ITO '03/06/26 CH'K: K.ASAKAWA APPR: T.YAMAGUCHI		DRAWN: J2003-3134 DRWN:N.ITO '03/06/19 CH'K: K.ASAKAWA APPR: T.YAMAGUCHI		DRAWN: J2002-2307 DRWN:N.ITO '02/03/18 CH'K: K.ASAKAWA APPR: T.YAMAGUCHI		DRAWN: J2002-1826 DRWN:N.ITO '02/02/28 CH'K: K.ASAKAWA APPR: T.YAMAGUCHI		DRAWN: J2002-1196 DRWN:N.ITO '01/12/17 CH'K: K.ASAKAWA APPR: T.YAMAGUCHI			FINISH 仕上げ			10 UNDER 未満	±0.2	SCALE 4:1	DESIGN UNITS ☒ mm ☐ INCH		☐ mm INCH	☐ mm INCH	☒ mm ONLY	221515 ON CAD ONLY		
	D		C		B		A		O			WIRE RANGE 適用線幅範囲				30 OVER 以上	±0.25	DRAWN BY & DATE N.ITO '01/12/17		TITLE: 2.0mm W-+-B DUAL CONN DIP PLUG HOUSING ASS'Y ST (WITH BOSS)					
												ANGLE 角度		±3°	CHECKED BY & DATE K.ASAKAWA '03/06/26		APPROVED BY & DATE T.YAMAGUCHI '03/06/26								
												INS. RANGE 被覆外径				CAD FILENAME 55917003.S02		MATERIAL NO. SEE CHART		DRAWING NO. SD-55917-003		SHEET NO. 2 OF 2			
																THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.						SIZE B			
																								55917003.S02	