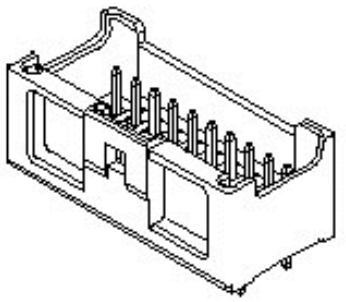
This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0559172010
Status: Active
Overview: microclasp
Description: 2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Header, Dual Row, Vertical, 20 Circuits, with PCB Locator



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-51353-003 (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)	20
Circuits (maximum)	20
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

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Not Halogen-Free

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

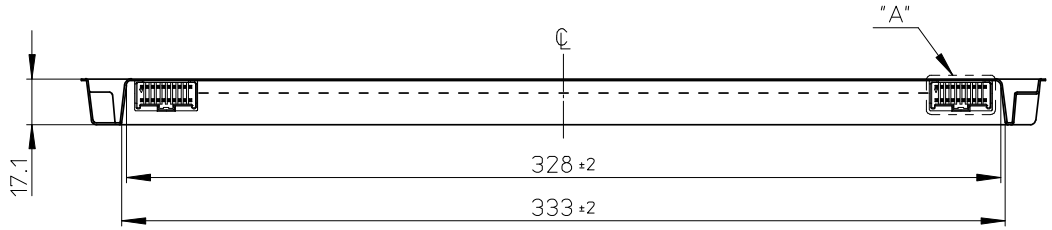
Mates With
51353 MicroClasp™ Wire-to-Board Receptacle Housing

Reference - Drawing Numbers

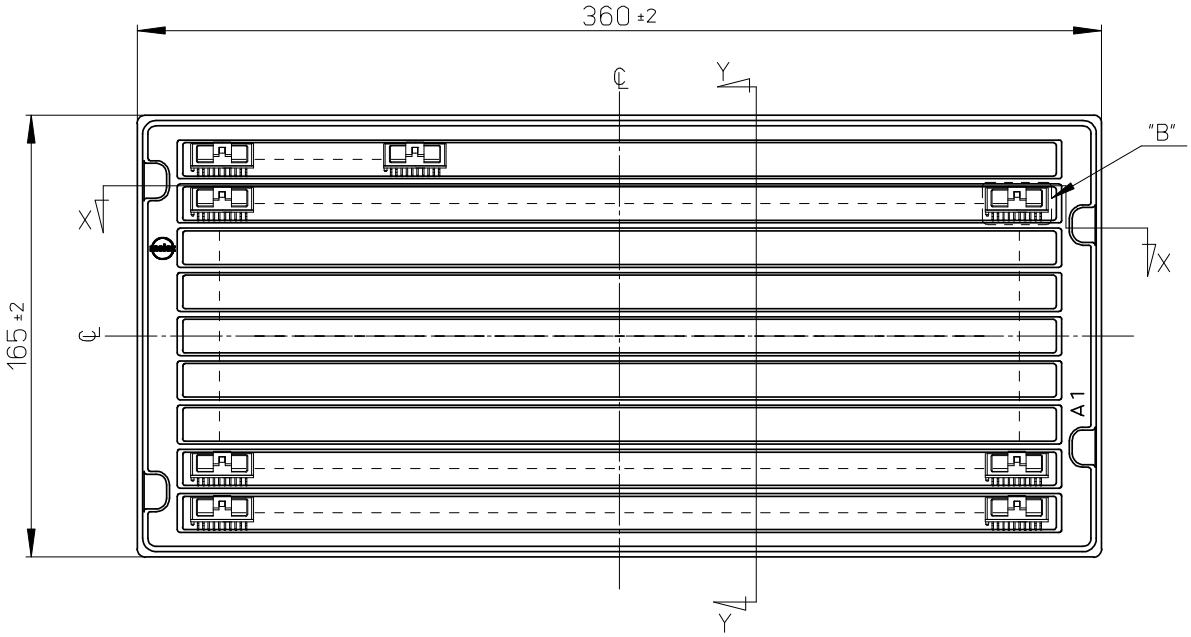
Packaging Specification	SPK-55917-001
Product Specification	PS-51353-003, RPS-501844-001, RPS-51353-008, RPS-51353-009, RPS-51353-010, RPS-51353-013, RPS-51353-014, RPS-51353-016, RPS-51353-018, RPS-51353-019, RPS-51353-020, RPS-51353-022, RPS-51353-024, RPS-51353-025, RPS-51353-026, RPS-51353-030, RPS-51353-031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

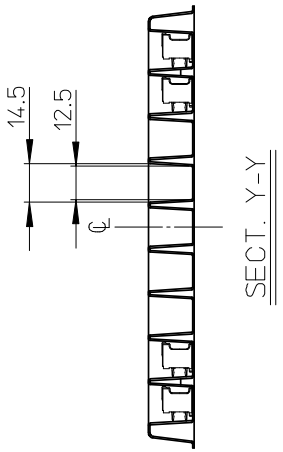
This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

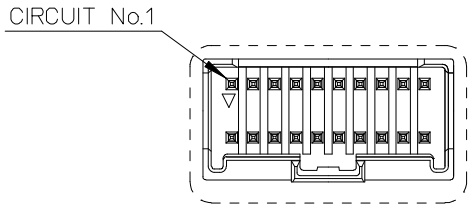


SECT. X-X

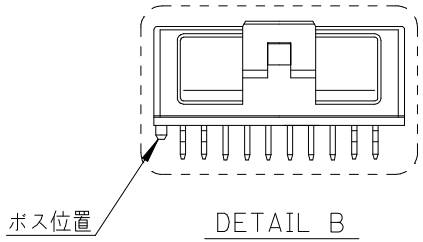




SECT. Y-Y



DETAIL A
(SCALE 2:1)



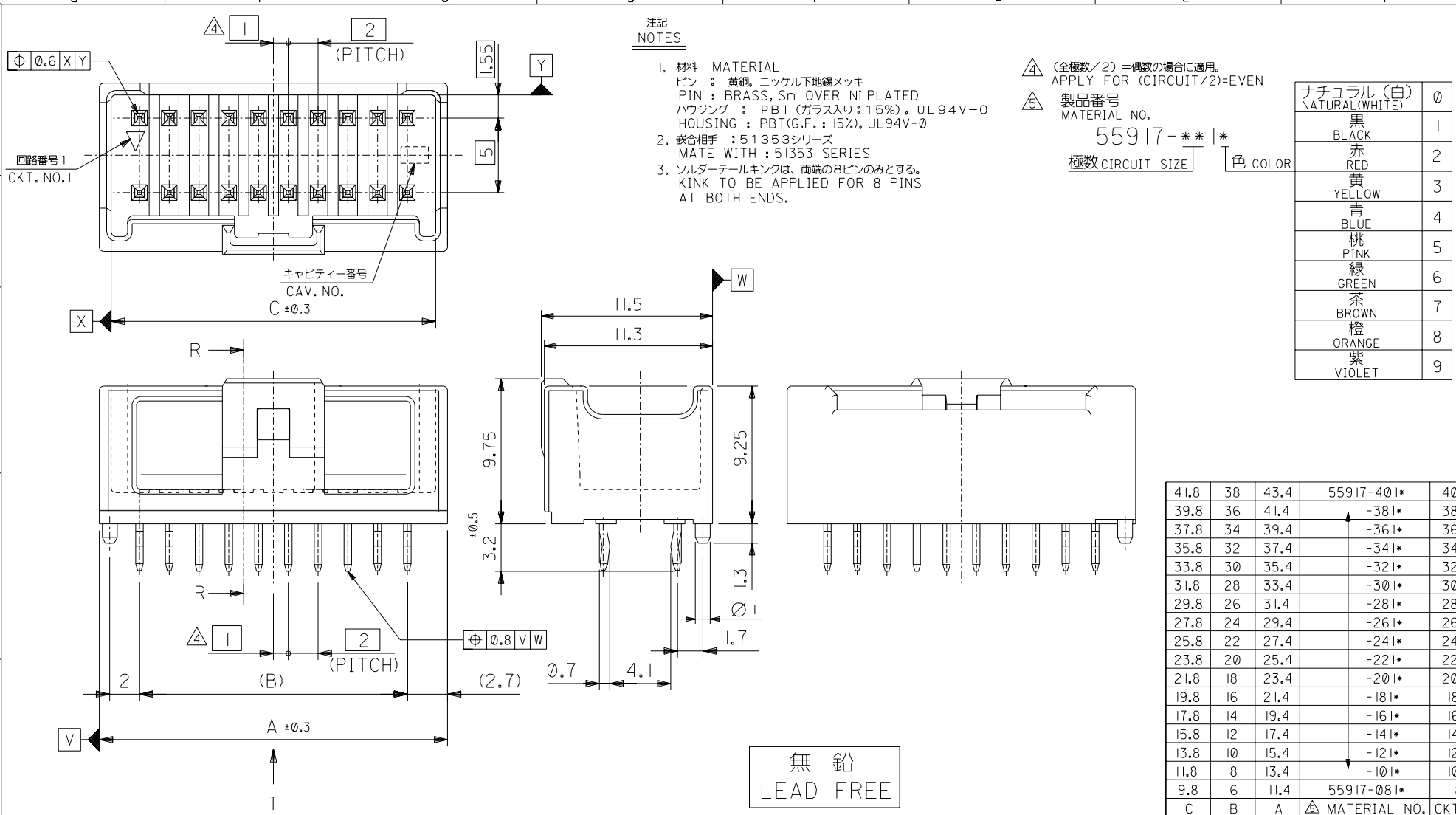
DETAIL B
(SCALE 2:1)

注記

1．一般交差：±0．5
GENERAL TOLERANCES:±0.5
2．各部の反りは2．0MAX．
WARP:2.0MAX.

55917-**1*
適用製品番号
APPLICABLE PART No.

RELEASED			GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS
EC NO: J2008-3778	2008/04/28	DESCRIPTION	10 UNDER ±---	MM ONLY	1:2	METRIC
DRWN:YTOKUZONO	2008/04/28		10 OVER 30 UNDER ±---	DRAWN BY Y.TOKUZONO	DATE 2008/4/22	THIRD ANGLE PROJECTION
CH'KD:THARUYAMA	2008/04/30		30 OVER ±---	CHECKED BY T.HARUYAMA	DATE 2008/4/22	TITLE: TRAY FOR 55917 (2.0 W/B DUAL DIP PLUG HS'G ASS'Y WITH BOSS)
APPR:NUKITA			ANGULAR ±--- °	APPROVED BY N.UKITA	DATE 2008/4/22	molex MOLEX INCORPORATED
0	REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. 098910023	DOCUMENT NO. SD-55917-001	SHEET NO. 1 OF 1
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	



注記
NOTES

1. 材料 MATERIAL
   ピン : 黄銅, ニッケル下地錫メッキ
   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. ソルダーテールキンクは、両端の8ピンのみとする。
   KINK TO BE APPLIED FOR 8 PINS AT BOTH ENDS.

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

5 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	4 MATERIAL NO.	CKT.

無 鉛
LEAD FREE

DO NOT SCALE DRAWING

REV	DESCRIPTION	DWN	CH'K	APPR
D	REVISED ECO-03-003294	J2003-3290	N.ITO '03/06/26	K.ASAKAWA	T.YAMAGUCHI
C	REVISED ECO-03-003134	J2003-3134	N.ITO '03/06/19	K.ASAKAWA	T.YAMAGUCHI
B	REVISED ECO-02-002307	J2002-2307	N.ITO '02/03/18	K.ASAKAWA	T.YAMAGUCHI
A	REVISED ECO-01-001826	J2002-1826	N.ITO '02/02/28	K.ASAKAWA	T.YAMAGUCHI
0	RELEASED ECO-01-001196	J2002-1196	N.ITO '01/12/17	K.ASAKAWA	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	±0.2
10 OVER 以上 30 UNDER 未満	±0.25
30 OVER 以上	±0.3
ANGLE 角度	±3°

55917-**|*

SCALE: //
DESIGN UNITS: ☒mm ☐INCH
DRAWN BY & DATE: N.ITO '01/12/17
CHECKED BY & DATE: K.ASAKAWA '03/06/26
APPROVED BY & DATE: T.YAMAGUCHI '03/06/26
CAD FILENAME: 55917003.S01

MODEL NO.
THIRD ANGLE PROJECTION
DIMENSIONS: ☐mm/INCH ☐INCH/mm ☒mm ONLY
SHT REV
REVISE ON CAD ONLY

TITLE:
2.0mm W-to-B DUAL CONN DIP
PLUG HOUSING ASS'Y ST (WITH BOSS)

MOLEX INCORPORATED

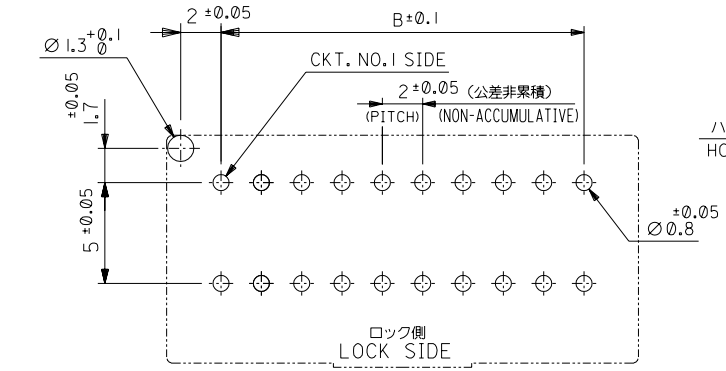
MATERIAL NO.: SEE CHART
DRAWING NO.: SD-55917-003
SHEET NO.: 1 OF 2

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SIZE B

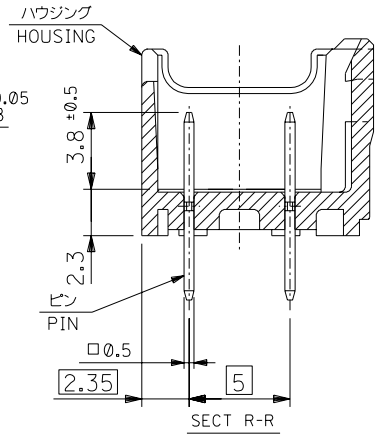
55917003.S01

EN-02J(097) MXJ-54

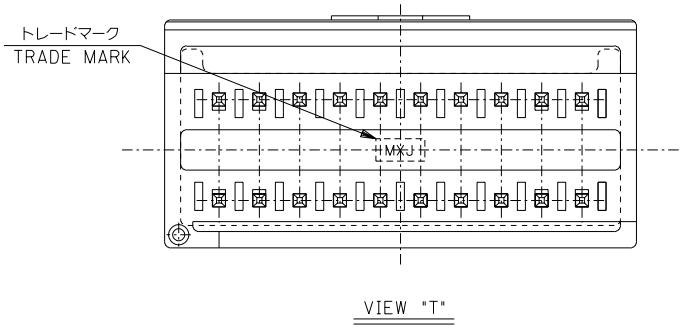


基板取付穴推奨寸法（マウント面）

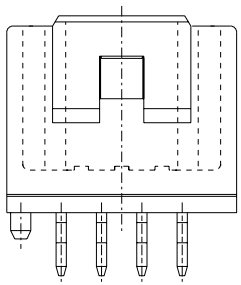
RECOMMENDED P.C.BOARD HOLE DIMENSION (MOUNTING SIDE) (t =1.6)



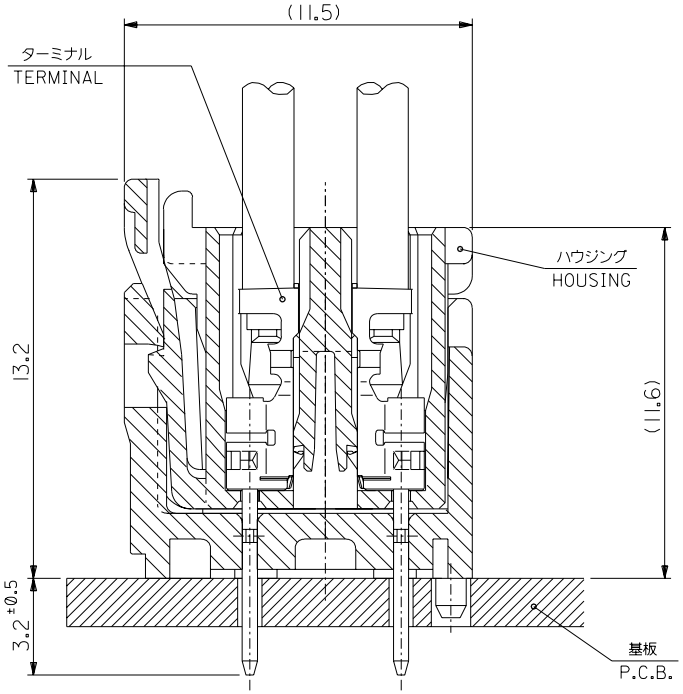
SECT R-R



VIEW "T"



8 CIRCUIT



嵌合断面図（参考）

MATED DRAWING (REF.)

無 鉛
LEAD FREE

REV	DESCRIPTION	DRWN	CH'K	APPR
D	REVISED 注04NO. J2003-3290	N.ITO	K.ASAKAWA	T.YAMAGUCHI
		'03/06/26		
C	REVISED 注03NO. J2003-3134	N.ITO	K.ASAKAWA	T.YAMAGUCHI
		'03/06/19		
B	REVISED 注02NO. J2002-2307	N.ITO	K.ASAKAWA	T.YAMAGUCHI
		'02/03/18		
A	REVISED 注01NO. J2002-1826	N.ITO	K.ASAKAWA	T.YAMAGUCHI
		'02/02/28		
0	RELEASED 注00NO. J2002-1196	N.ITO	K.ASAKAWA	T.YAMAGUCHI
		'01/12/17		

DO NOT SCALE DRAWING

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	±0.2
10 OVER 以上 30 UNDER 未満	±0.25
30 OVER 以上	±0.3
ANGLE 角度	±3°

55917-**1*

SCALE 4:1 | DESIGN UNITS ☒mm ☐INCH | 注記 THIRD ANGLE PROJECTION

DIMENSIONS: ☐mm/INCH ☐INCH/mm ☒mm ONLY

SHT 2 | REV 注07

DRAWN BY & DATE N.ITO '01/12/17

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

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

TITLE:
2.0mm W-†-B DUAL CONN DIP
PLUG HOUSING ASS'Y ST (WITH BOSS)

MOLEX INCORPORATED

CAD FILENAME 55917003.S02

MATERIAL NO. SEE CHART

DRAWING NO. SD-55917-003

SHEET NO. 2 OF 2

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SIZE B

EN-02J(097) MXJ-54

55917003.S02

DWG. NO. SD-55917-003