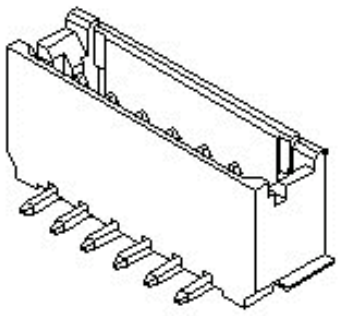
This document was generated on 04/16/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0554601072

Status: Active

Description: 2.00mm (.079") Pitch Mi ll™ System Wire-to-Board Header, Surface Mount, Single Row, Vertical, Lead-free, 10 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-51090-017 (PDF)
Product Specification PS-52484-022 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	55460
Application	Wire-to-Board
Product Name	Mi II™

Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
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	No
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Vertical
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	125V

Material Info

Reference - Drawing Numbers

Product Specification	PS-51090-017, PS-52484-022, RPS-51090-026
Sales Drawing	SD-55460-010, SD-55460-011

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

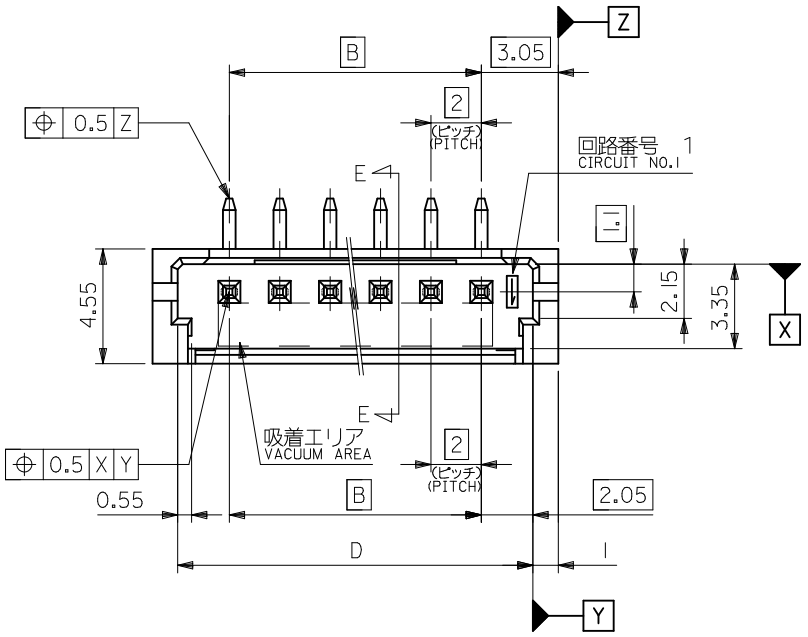
Please visit the Contact Us section for any non-product compliance questions.

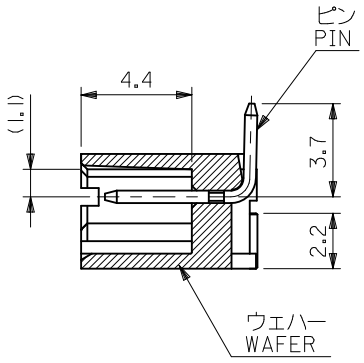
Search Parts in this Series
55460Series

Mates With
52484 IDT Receptacle Housing. 51090 Wire-to-Board Receptacle

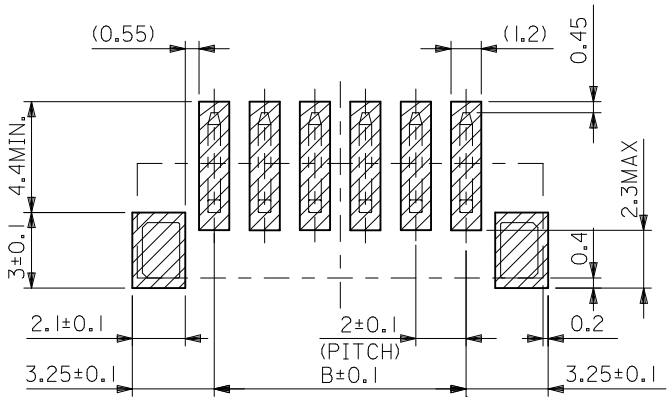
This document was generated on 04/16/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

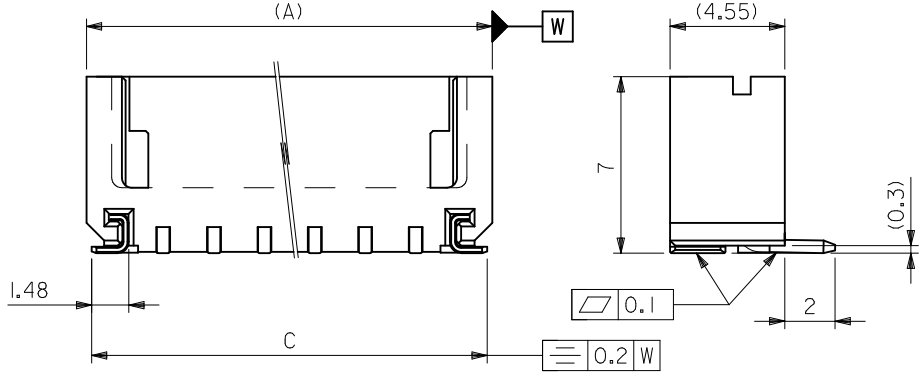




SECT."E-E"



参考基板レイアウト
RECOMMENDED P.C.BOARD PATTERN DIM.(REF.)



32.1	33.7	28	34.1	55460-1572	15
28.1	29.7	24	30.1	-1372	13
26.1	27.7	22	28.1	-1272	12
22.1	23.7	18	24.1	-1072	10
18.1	19.7	14	20.1	-0872	8
16.1	17.7	12	18.1	-0772	7
14.1	15.7	10	16.1	-0672	6
12.1	13.7	8	14.1	-0572	5
10.1	11.7	6	12.1	-0472	4
8.1	9.7	4	10.1	-0372	3
6.1	7.7	2	8.1	55460-0272	2
D	C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER No.	極数 CKTS.

CONNECTOR SERIES NO. 55460-**19

注記
NOTES

1. 材質
   MATERIAL
   ウェハー：PA ,(UL94V-0)
   WAFER : PA , UL94V-0
   ピン ：黄銅（□0.5），銅下地錫メッキ
   PIN : BRASS□0.5),TIN OVER COPPER PLATING
   金具 ：リン青銅(t=0.25），ニッケル下地錫メッキ
   NAIL : PHOSPHOR BRONZE(t=0.25),TIN OVER NICKEL PLATING
2. 嵌合相手：51090,52484 シリーズ
   MATE WITH 51090 ,52484 SERIES.
3. 本製品は 55460-**10 の鉛フリー品である。
   THIS PRODUCT IS LEAD FREE OF 55460-**10.
4. ELV AND RoHS COMPLIANT.

REVISED
EC NO: J2009-1664 2008/07/09
DRWN:YAOYAGI 2010/03/26
CH'KD:HMATSUMOTO 2010/03/26
APPR:NUKITA
DESCRIPTION
REV B

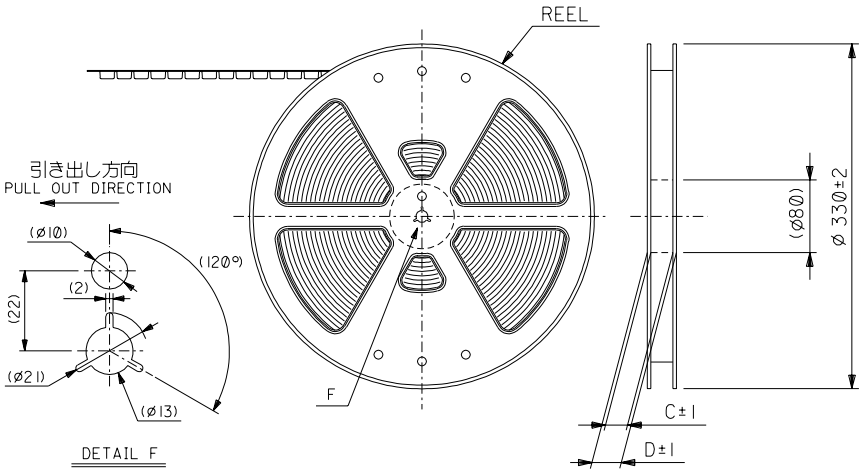
GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

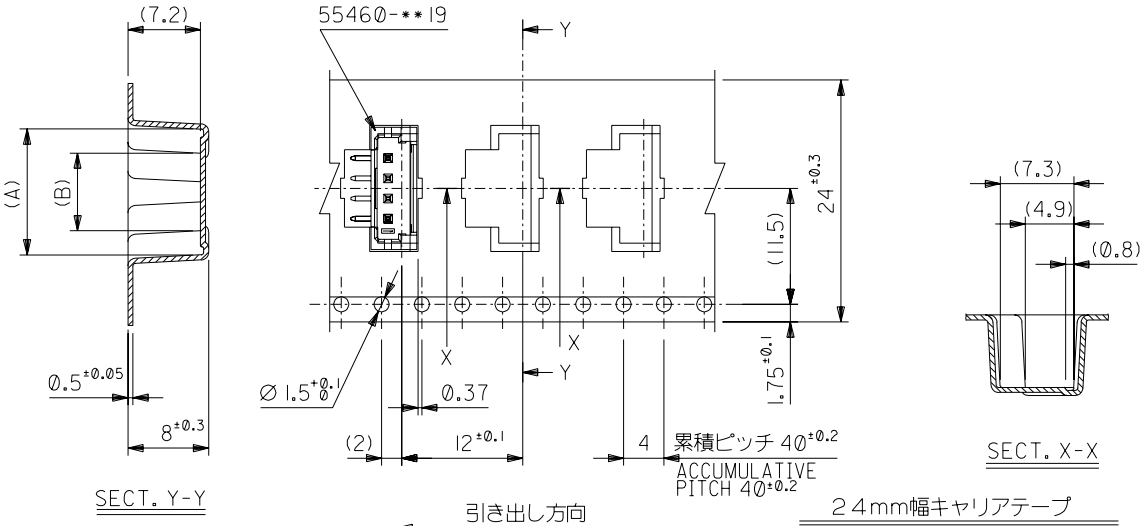
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	T.UENO 2004/03/29
CHECKED BY / DATE	M.SASAO 2004/03/29
APPROVED BY / DATE	M.SASAO 2004/03/29
MATERIAL NO.	SEE TABLE
TITLE	2.0 W/B CONN WAFER ASSY FOR SMT ST
	MOLEX INCORPORATED
DOCUMENT NO.	SD-55460-010
SHEET NO.	1 OF 1
SIZE	A3

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DETAIL F



SECT. Y-Y

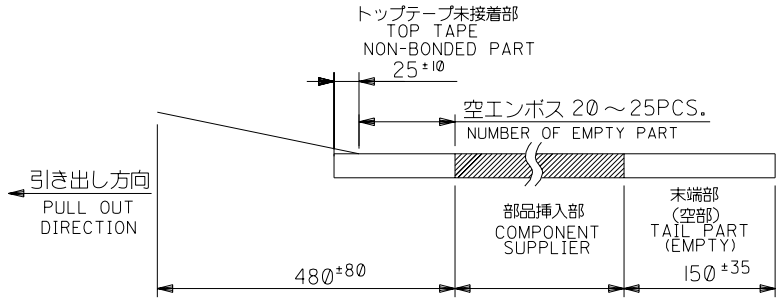
SECT. X-X

引き出し方向
PULL OUT DIRECTION

24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

NOTES

1. 梱包数量：９００個／リール
   NUMBER OF CONNECTOR:900PCS/REEL
2. リードテープ長さ
   LEAD TAPE LENGTH



3. トップテープの剥離強度：0.1N～1.3N{10gf～130gf}（剥離方向は下図参照）
   PEELING OFF FORCE OF TOP TAPE：0.1N～1.3N{10gf～130gf}
   (PEELING DIRECTION IS SHOWN IN FOLLOWING FIG.)



4. 55460-**19 の詳細寸法については図面 SD-55460-010 を参照下さい。
   RE DETAILED DIMENSIONS,SEE SD-55460-010
5. 材料（MATERIAL）
   キャリアテープ(CARRIER TAPE):ポリプロピレン(POLYPROPYLENE)
   トップテープ (TOP TAPE): PET ,PE ,PEF
   リール(REEL)：ポリスチレン（ＰＳ）<リサイクル材を含む>
   POLYSTYRENE(PS)<RECYCLE MATERIAL CONTAINED>
6. 本製品は ５５４６０-＊＊９０ の鉛フリー品である。
   THIS PRODUCT IS LEAD FREE OF 55460-**90.

キャリアテープ幅	D	C	B	A	MATERIAL NO.	極数 CKTS.
24	29.4	25.4	11.7	16.45	55460-0672	6
			9.7	14.45	55460-0572	5
			7.7	12.45	55460-0472	4
			5.7	10.45	55460-0372	3
			3.7	8.45	55460-0272	2

55460-**72 MODEL NO.

EC NO.	DESCRIPTION	REV
J20043410	新規作成 RELEASED	

DRWN: T.UENO '04/03/29
CH'K: M.SASAO '04/03/29
APPR: M.SASAO '04/03/29

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°

SCALE: //
DESIGN UNITS: ☒mm ☐INCH
THIRD ANGLE PROJECTION
DIMENSIONS: ☐mm/INCH ☐INCH/mm ☒mm ONLY
SHT REV
REVISE ON CAD ONLY

DRAWN BY & DATE: T.UENO '04/03/29
CHECKED BY & DATE: M.SASAO '04/03/29
APPROVED BY & DATE: M.SASAO '04/03/29

TITLE: 2.0 W-to-B Conn WAFER Assy Embstp pkg -LEAD FREE-

MOLEX INCORPORATED

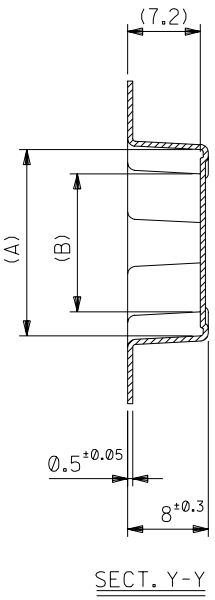
CAD FILENAME: SD-55460-011.S01
MATERIAL NO.: SEE CHART
DRAWING NO.: SD-55460-011
SHEET NO.: 1 OF 3

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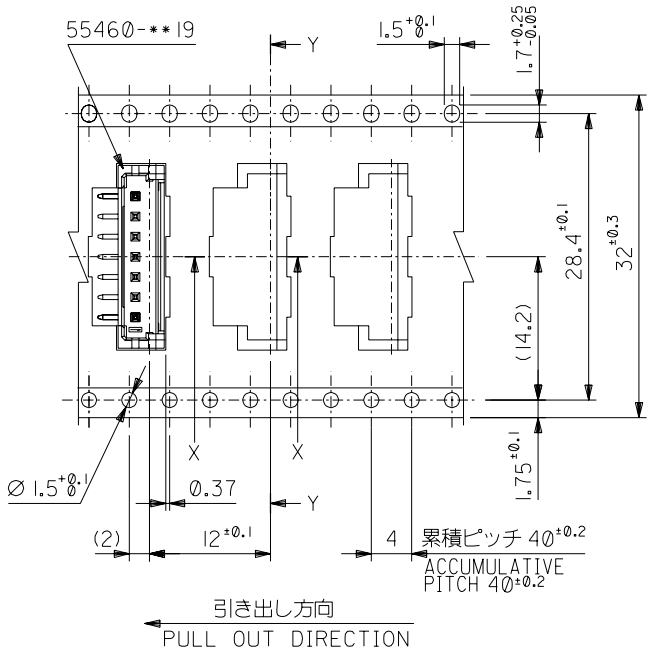
SIZE B

DO NOT SCALE DRAWING

DWG. NO. SD-55460-011

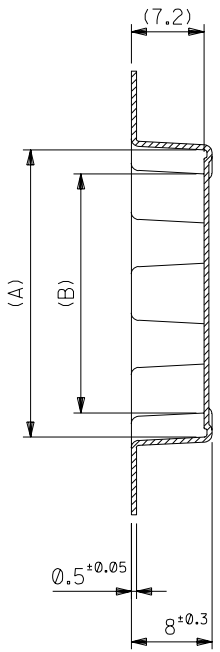


SECT. Y-Y

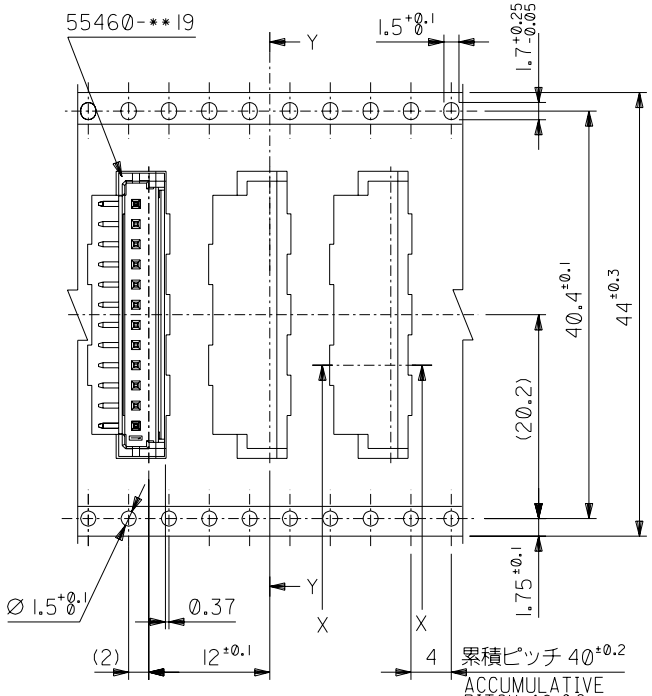


引き出し方向
PULL OUT DIRECTION

32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

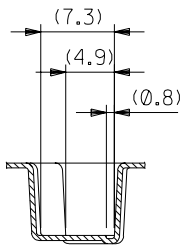


SECT. Y-Y



引き出し方向
PULL OUT DIRECTION

44mm幅キャリアテープ
44mm WIDTH CARRIER TAPE



SECT. X-X

44	49.4	45.4	25.7	30.45	55460-1372	13
			23.7	28.45	55460-1272	12
			19.7	24.45	55460-1072	10
32	37.4	33.4	15.7	20.45	55460-0872	8
			13.7	18.45	55460-0772	7
キャリアテープ幅	D	C	B	A	MATERIAL NO.	極数 CKTS.

55460-**72 MODEL NO.

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

SHT REV

REVISE ON CAD ONLY

DO NOT SCALE DRAWING

	EC NO.	DRWN:	CH'K:	APPR:
SEE SHEET 1 OF 3				

DESCRIPTION

REV

MATERIAL 材料: SHEET 1 OF 3参照 SEE SHEET 1 OF 3

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°

SCALE —//—

DESIGN UNITS ☒mm ☐INCH

THIRD ANGLE PROJECTION

DRAWN BY & DATE T.UENO '04/03/29

CHECKED BY & DATE M.SASAO '04/03/29

APPROVED BY & DATE M.SASAO '04/03/29

CAD FILENAME SD-55460-011.S02

TITLE: 2.0 W-to-B Conn WAFER Assy Embstp pkg -LEAD FREE-

MOLEX INCORPORATED

MATERIAL NO. SEE CHART

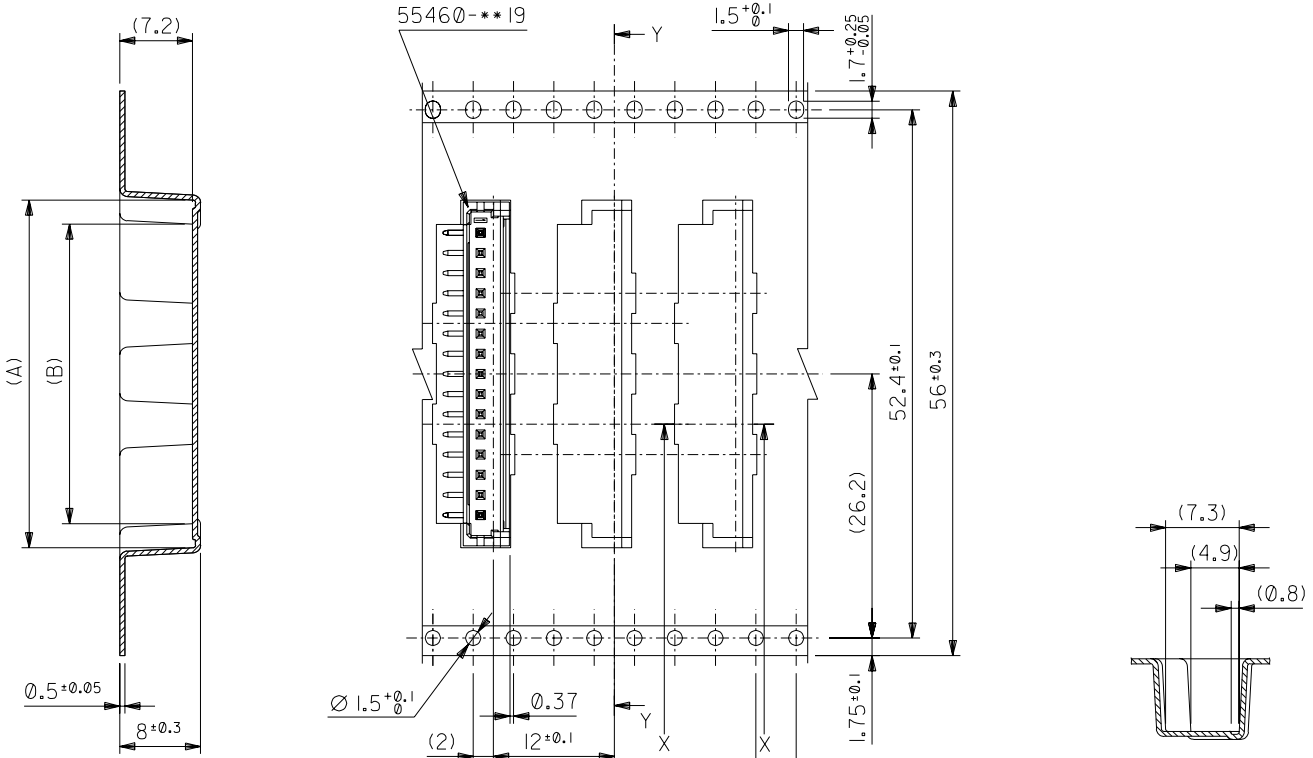
DRAWING NO. SD-55460-011

SHEET NO. 2 OF 3

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SIZE B

DWG. NO. SD-55460-011



56	61.4	57.4	29.7	34.45	55460-1572	15
キャリアテープ幅	D	C	B	A	MATERIAL NO.	極数 CKTS.

55460-**72 MODEL NO.

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

SHT | REV

REVISE ON CAD ONLY

DO NOT SCALE DRAWING

EC NO.	DRWN:	CH'K:	APPR:
EC NO.	DRWN:	CH'K:	APPR:
EC NO.	DRWN:	CH'K:	APPR:
EC NO.	DRWN:	CH'K:	APPR:
EC NO.	DRWN:	CH'K:	APPR:
SEE SHEET 1 OF 3			

DESCRIPTION

REV

MATERIAL 材料: SHEET 1 OF 3参照 SEE SHEET 1 OF 3

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°

SCALE: —//—

DESIGN UNITS: ☒mm ☐INCH

THIRD ANGLE PROJECTION

DRAWN BY & DATE: T.UENO '04/03/29

CHECKED BY & DATE: M.SASAO '04/03/29

APPROVED BY & DATE: M.SASAO '04/03/29

CAD FILENAME: SD-55460-011.S03

TITLE: 2.0 W-to-B Conn WAFER Assy Embstp pkg -LEAD FREE-

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART

DRAWING NO.: SD-55460-011

SHEET NO.: 3 OF 3

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SIZE B

EN-02J(097) MXJ-54