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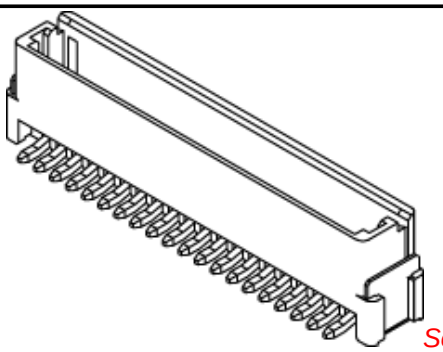
This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0554501469

Status: Active

Description: 1.25mm (.049") Pitch Mi ll™ System Wire-to-Board Header, SMT, Single Row, Vertical, Without Plastic Peg, Lead-free, 14 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-54596-022 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	55450
Application	Wire-to-Board
MolexKits	Yes
Product Name	Mini Mi II™

Physical

Breakaway	No
Circuits (Loaded)	14
Circuits (maximum)	14
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
Mated Height (in)	0.331 In
Mated Height (mm)	8.40 mm
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.000 In
PC Tail Length (mm)	0.00 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.000 In
PCB Thickness Recommended (mm)	0.00 mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.049 In
Pitch - Mating Interface (mm)	1.25 mm
Pitch - Term. Interface (in)	0.049 In
Pitch - Term. Interface (mm)	1.25 mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Closed Ends
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	1.5A, 1A

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
55450Series

Mates With
54596 IDT Receptacle Housing

Voltage - Maximum	100V AC (RMS)/DC

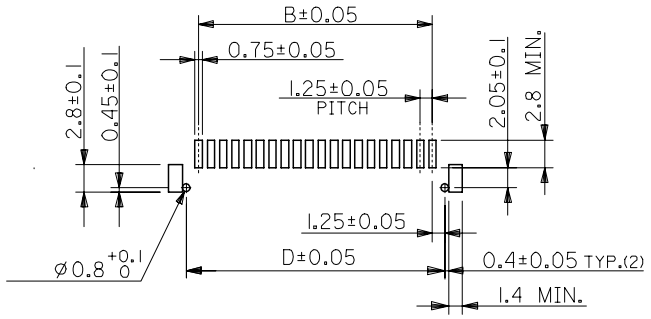
Material Info

Reference - Drawing Numbers

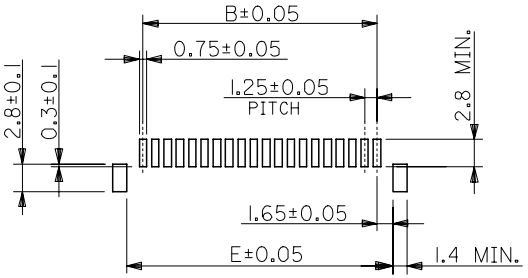
Packaging Specification	SPK-55450-001
Product Specification	PS-54596-022, RPS-54596-025, RPS-54596-026
Sales Drawing	SD-55450-010, SD-55450-011

This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



ボス有りタイプ推奨基板寸法(参考)
RECOMMENDED P.C.B DIMENSION (WITH BOSS) (REF.)



ボス無しタイプ推奨基板寸法(参考)
RECOMMENDED P.C.B DIMENSION (WITHOUT BOSS) (REF.)

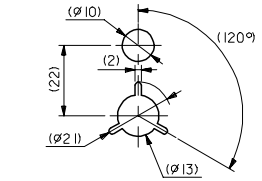
REVISED				
EC NO: J2007-0566	DRWN:YOTANI	CHKD:NUKITA	APPR:NUKITA	DESCRIPTION
2006/09/01	2006/09/05	2006/09/08		
A				REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

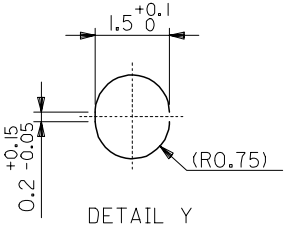
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±3 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

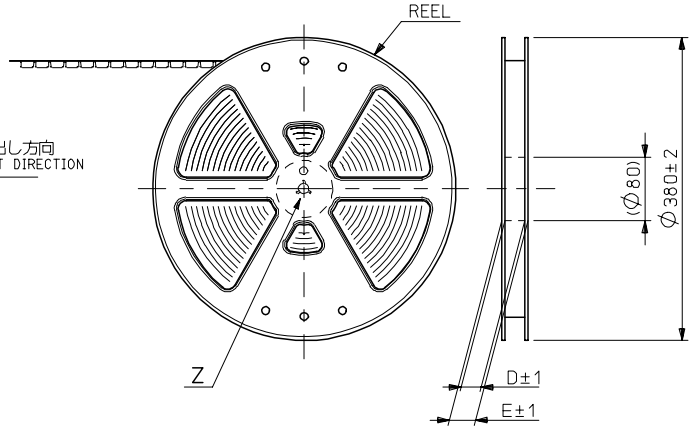
DIMENSION STYLE: MM ONLY	SCALE: 4:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: N.AIDA DATE: '05/02/01	TITLE: MINI MI2 1-ROW SMT WAFER ASS'Y (TIN) -LEAD FREE-		
CHECKED BY: K.TOJO DATE: '05/02/01			
APPROVED BY: N.UKITA DATE: '05/02/01	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE CHART	DOCUMENT NO.: SD-55450-010	SHEET NO.: 2 OF 2	
SIZE: A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

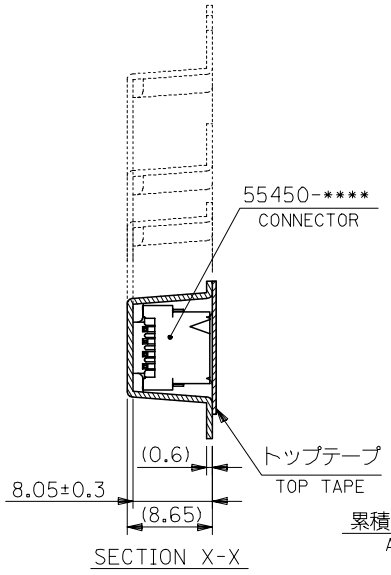


DETAIL Z

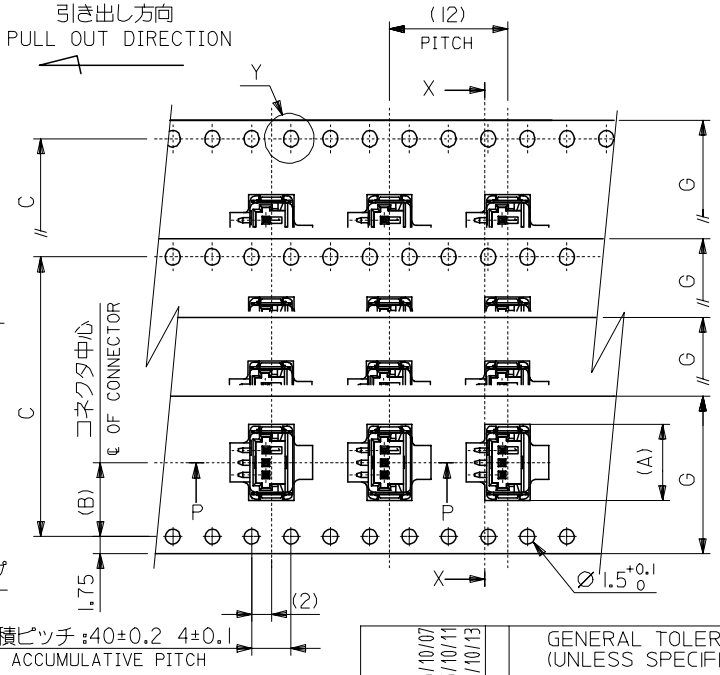


DETAIL Y
(10:1)





SECTION X-X



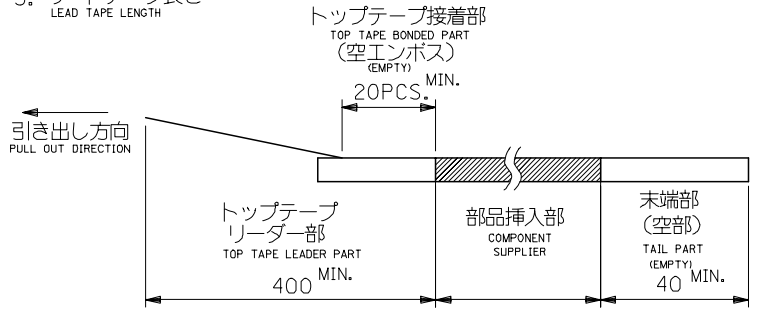
累積ピッチ:40±0.2 4±0.1
ACCUMULATIVE PITCH

注)
NOTES

1. 製品番号 55450-**** の詳細寸法については、SD-55450-010 を参照下さい。
IN THE PACKAGE , PART NO. 55450-**** DETAILED DIMENSIONS , SEE SD-55450-010.

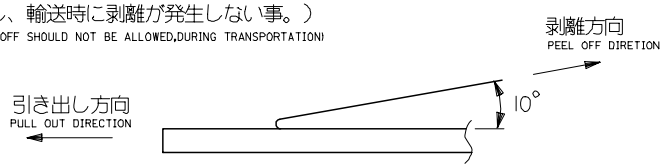
2. 梱包数量 ： ８８０個／リール
NUMBER OF CONNECTORS : 880 PCS/REEL

3. リードテープ長さ
LEAD TAPE LENGTH



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

尚、本規格値は、出荷時に適用。
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT
(但し、輸送時に剥離が発生しない事。)
(PEEL OFF SHOULD NOT BE ALLOWED,DURING TRANSPORTATION)



5. 材料
MATERIAL
キャリアテープ ：ポリプロピレン（ＰＰ）
CARRIER TAPE : POLYPROPYLENE (PP)
トップテープ ：ＰＥＴ，ＰＥ，ＰＥＦ
TOP TAPE : PET , PE , PEF
リール ：ポリスチレン
REEL : POLYSTYRENE

△6. テープ巾３２，４４mmに適応。
THIS DIMENSION SHOULD BE APPLIED AT TAPE WIDTH OF 32, 44mm

7. 本製品は 55450-**19/**39/**79/**89 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 55450-**19/**39/**79/**89.

REVISED
EC NO: J2006-1116 2005/10/07
DRWN:ESUZUKI 2005/10/11
CHKD:KTOYODA 2005/10/13
APPR:NUKITA
DESCRIPTION
REV A

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±---
10 OVER 30 UNDER	±---
30 OVER	±---
ANGULAR	±--- °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: ---	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: N.AIDA DATE: '05/02/01	TITLE: EMBOSSED TAPE PACKAGE FOR 55450-**** -LEAD FREE-		
CHECKED BY: K.TOJO DATE: '05/02/01			
APPROVED BY: N.UKITA DATE: '05/02/01	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE CHART	DOCUMENT NO.: SD-55450-011	SHEET NO.: 1 OF 3	

SIZE A3

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G キャリアテープ巾 TAPE WIDTH	F	E	(D)	C	(B)	(A)	CONNECTOR	エンボス梱包品 製品番号 MATERIAL NO.	MODEL NO.	CONNECTOR	エンボス梱包品 製品番号 MATERIAL NO.	MODEL NO.	極数 CIRCUIT SIZE	量産対応 AVAILABLE
44	3	49.4	45.4	40.4	20.2	28.95	55450-2060	55450-2069	55450-**69 ボス無し WITHOUT BOSS	55450-2050	55450-2059	55450-**59 ボス有り WITH BOSS	20	OK
						27.7	-1960	-1969		-1950	-1959		19	NO
						26.45	-1860	-1869		-1850	-1859		18	OK
						25.2	-1760	-1769		-1750	-1759		17	NO
						23.95	-1660	-1669		-1650	-1659		16	OK
						22.7	-1560	-1569		-1550	-1559		15	OK
						21.45	-1460	-1469		-1450	-1459		14	OK
32	2	37.4	33.4	28.4	14.2	20.2	-1360	-1369		-1350	-1359		13	OK
						18.95	-1260	-1269		-1250	-1259		12	OK
						17.7	-1160	-1169		-1150	-1159		11	OK
						16.45	-1060	-1069		-1050	-1059		10	OK
24		29.4	25.4	—#—	11.5	15.2	-0960	-0969		-0950	-0959		9	NO
						13.95	-0860	-0869		-0850	-0859		8	OK
						12.7	-0760	-0769		-0750	-0759		7	OK
						11.45	-0660	-0669		-0650	-0659		6	OK
						10.2	-0560	-0569		-0550	-0559		5	OK
						8.95	-0460	-0469		-0450	-0459		4	NO
16		21.4	17.4	—#—	7.5	7.7	-0360	-0369		-0350	-0359		3	OK
						6.45	55450-0260	55450-0269		55450-0250	55450-0259		2	OK

REVISED
EC NO: J2006-1116 2005/10/07
DRWN:ESUZUKI 2005/10/11
CHKD:KTOYODA
APPR:NUKITA 2005/10/13
DESCRIPTION
REV A

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±---
10 OVER 30 UNDER	±---
30 OVER	±---
ANGULAR	±--- °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: N.AIDA DATE: '05/02/01
CHECKED BY: K.TOJO DATE: '05/02/01
APPROVED BY: N.UKITA DATE: '05/02/01
MATERIAL NO.: SEE CHART

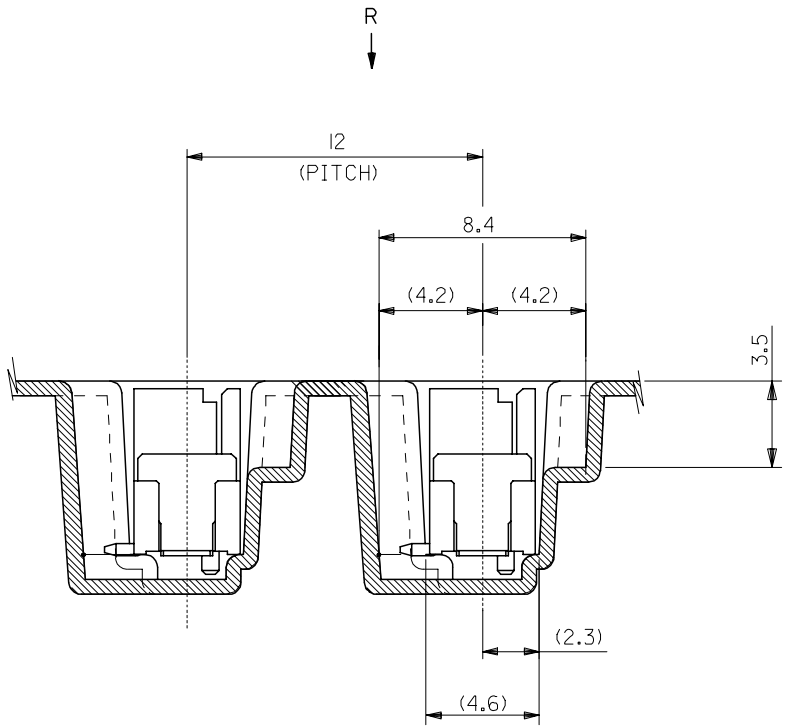
TITLE: EMBOSSED TAPE PACKAGE FOR 55450-**** -LEAD FREE-

molex MOLEX INCORPORATED

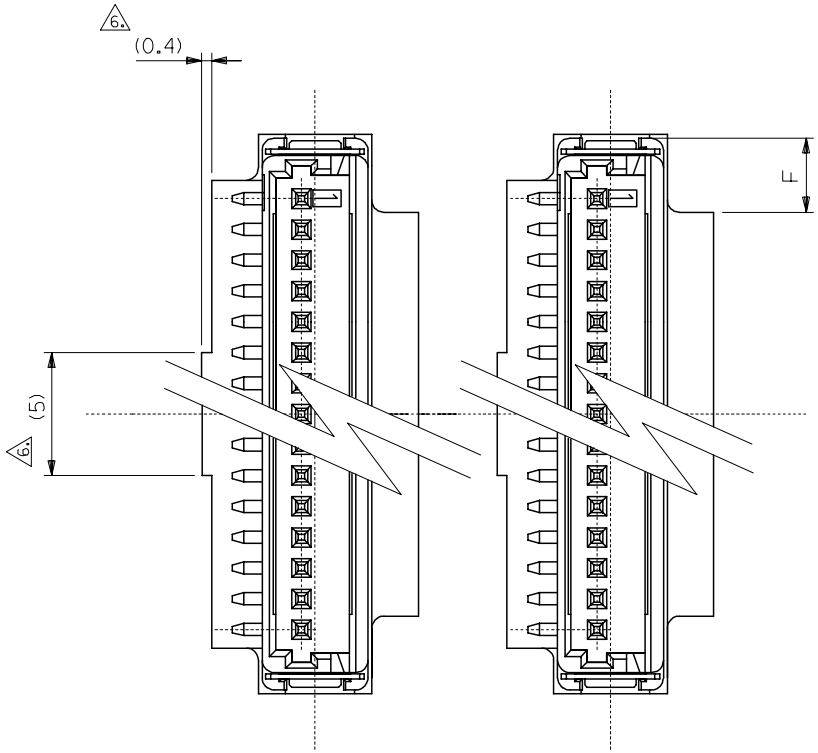
DOCUMENT NO.: SD-55450-011
SHEET NO.: 2 OF 3

SIZE A3

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SECTION P-P
(5:1)



VIEW R
(5:1)

REVISED				REV	DESCRIPTION
EC NO: J2006-1116					
DRWN:ESUZUKI	2005/10/07				
CHKD:KTOYODA	2005/10/11				
APPR:NUKITA	2005/10/13				
A					

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	±---
10 OVER 30 UNDER	±---
30 OVER	±---
ANGULAR	±--- °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 5:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION		
DRAWN BY: N.AIDA	DATE: '05/02/01	TITLE: EMBOSSED TAPE PACKAGE FOR 55450-**** -LEAD FREE-			
CHECKED BY: K.TOJO	DATE: '05/02/01				
APPROVED BY: N.UKITA	DATE: '05/02/01	molex MOLEX INCORPORATED			
MATERIAL NO.: SEE CHART		DOCUMENT NO.: SD-55450-011		SHEET NO.: 3 OF 3	
SIZE: A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				