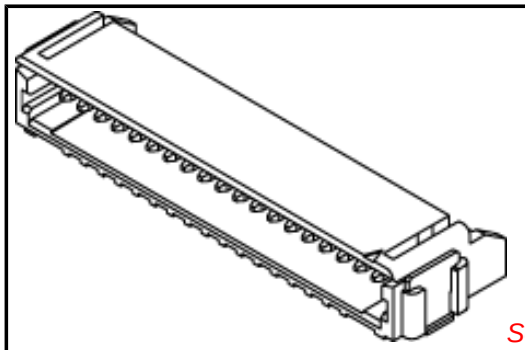
This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0554561269

Status: Active

Description: 1.25mm (.049") Pitch Mi ll™ System Wire-to-Board Header, Single Row, Right Angle, SMT, 12 Circuits, without Plastic Peg, Lead-free



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	55456
Application	Wire-to-Board
MolexKits	Yes
Product Name	Mini Mi II™

Physical

Breakaway	No
Circuits (Loaded)	12
Color - Resin	Natural
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Mated Height (in)	0.177 In
Mated Height (mm)	4.50 mm
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.049 In
Pitch - Mating Interface (mm)	1.25 mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	100V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-55456-001
Product Specification	PS-54596-022, RPS-54596-025, RPS-54596-026
Sales Drawing	SD-55456-010, SD-55456-011

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.

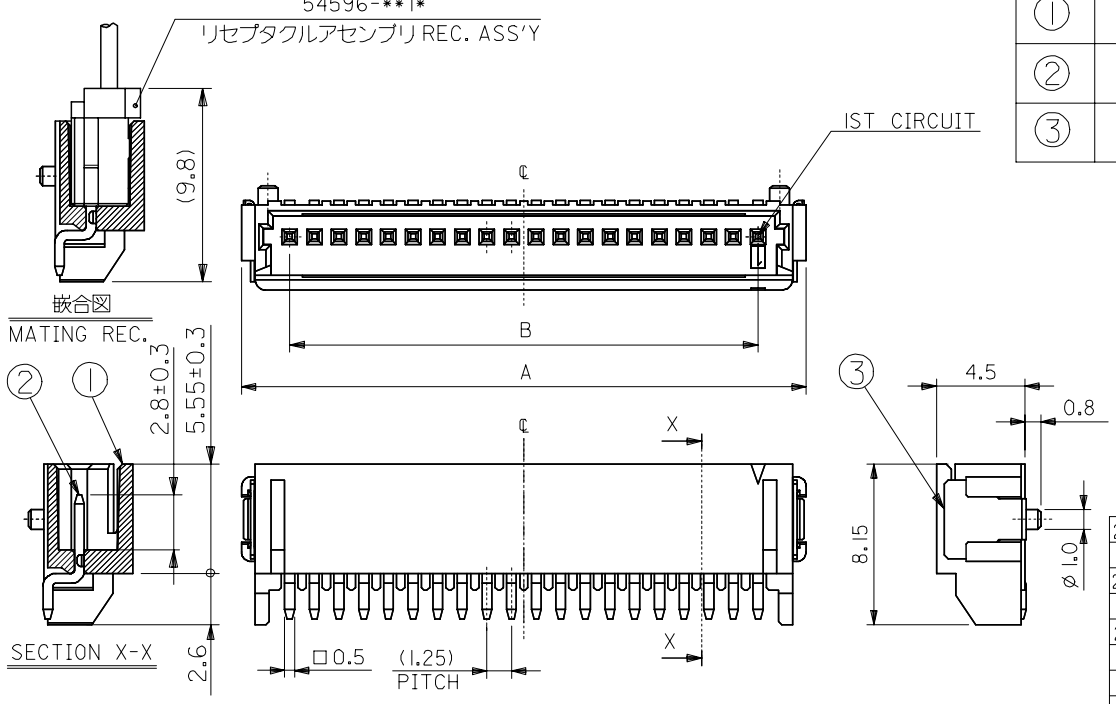
Search Parts in this Series
55456Series

Mates With
54596 IDT Receptacle Housing

This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

番号 NO.	名 称 NAME	材 料 MATERIAL	数量 QT'Y	仕上げ FINISH
①	ウエハー WAFER	ナイロン NYLON	1	UL94V-0 色:原 色 COLOR:NATURAL
②	ピン PIN	黄銅 BRASS	N	全体錫メッキ PRE-TINNED
③	ネール NAIL	黄銅 BRASS	2	錫メッキ TIN PLATING



ボス無しタイプ WITHOUT BOSS	ボス有りタイプ WITH BOSS
55456-**6*	55456-**5*

27.25	25.95	23.75	28.65	55456-2060	55456-2050	
26	24.7	22.5	27.4	-1960	-1950	
24.75	23.45	21.25	26.15	-1860	-1850	
23.5	22.2	20	24.9	-1760	-1750	
22.25	20.95	18.75	23.65	-1660	-1650	
21	19.7	17.5	22.4	-1560	-1550	
19.75	18.45	16.25	21.15	-1460	-1450	
18.5	17.2	15	19.9	-1360	-1350	
17.25	15.95	13.75	18.65	-1260	-1250	
16	14.7	12.5	17.4	-1160	-1150	
14.75	13.45	11.25	16.15	-1060	-1050	
13.5	12.2	10	14.9	-0960	-0950	
12.25	10.95	8.75	13.65	-0860	-0850	
11	9.7	7.5	12.4	-0760	-0750	
9.75	8.45	6.25	11.15	-0660	-0650	
8.5	7.2	5	9.9	-0560	-0550	
7.25	5.95	3.75	8.65	-0460	-0450	
6	4.7	2.5	7.4	-0360	-0350	
4.75	3.45	1.25	6.15	55456-0260	55456-0250	
D	C	B	A	MATERIAL NO.	MATERIAL NO.	
				MODEL NO. ボス無しタイプ WITHOUT BOSS 55456-**6*	MODEL NO. ボス有りタイプ WITH BOSS 55456-**5*	

注 記
NOTES

1. 材料及び仕上げ:表参照
   MATERIAL AND FINISH:SEE CHART
2. エンボス梱包品の詳細は、SD-55456-011を参照の事。
   DETAILED TAPING PACKAGE,SEE SD-55456-011
3. 製品番号
   MATERIAL NO.

55456-**** 極 数 CIRCUIT SIZE (02~20)
ボ ス BOSS 5:有り WITH BOSS
6:無し WITHOUT BOSS
色 COLOR 0:自然色 NATURAL

4. 本製品は 55456-**10/**30/**70/**80 の鉛フリー品である。
   THIS PRODUCT IS LEAD FREE OF 55456-**10/**30/**70/**80.

RELEASED
EC NO: J2005-2224 2005/02/24
DRWN:NAIDA 2005/02/25
CHKD:KTOJO
APPR:NUKITA 2005/03/02
DESCRIPTION
REV 0

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

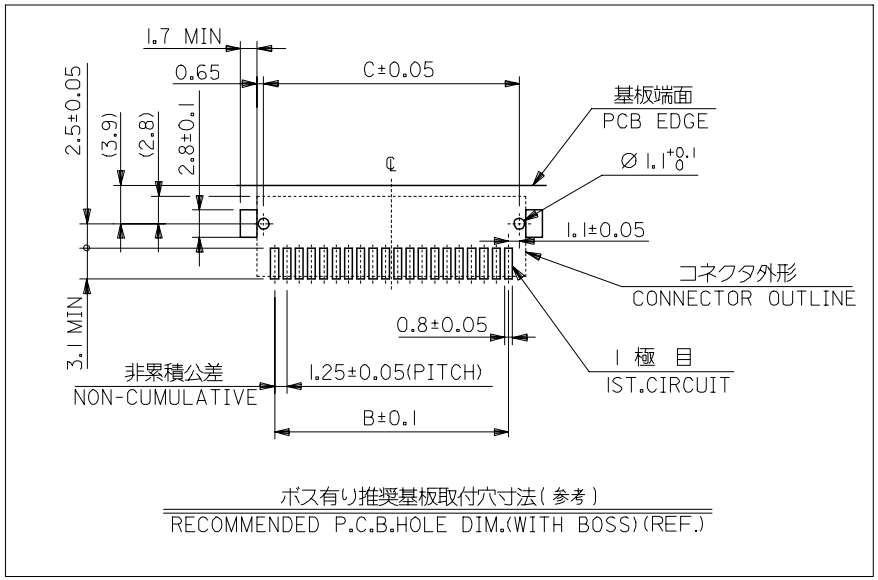
DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: N.AIDA DATE: '05/02/04
CHECKED BY: K.TOJO DATE: '05/02/04
APPROVED BY: N.UKITA DATE: '05/02/04
MATERIAL NO.: SEE CHART

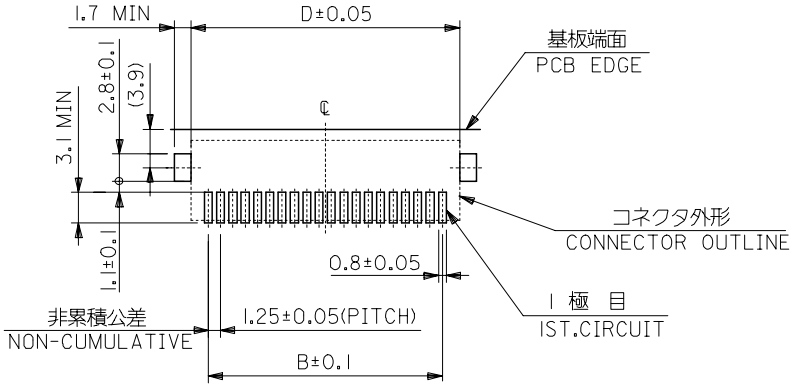
TITLE: MINI MI2 1-ROW R/A SMT ASS'Y -LEAD FREE-
MOLEX INCORPORATED
DOCUMENT NO.: SD-55456-010
SHEET NO.: 1 OF 2

SIZE A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



ボス有り推奨基板取付穴寸法 (参考)
RECOMMENDED P.C.B.HOLE DIM.(WITH BOSS)(REF.)



ボス無し推奨基板取付穴寸法 (参考)
RECOMMENDED P.C.B.HOLE DIM.(WITHOUT BOSS)(REF.)

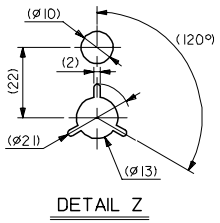
RELEASED
EC NO: J2005-2224
DRWN:NAIDA 2005/02/24
CH'KD:KTOJO 2005/02/25
APPR:NUKITA 2005/03/02
DESCRIPTION
REV
0

GENERAL TOLERANCES (UNLESS SPECIFIED)

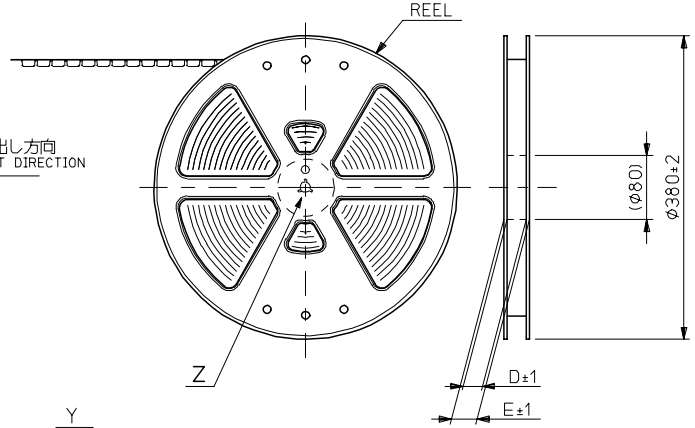
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±3 °	

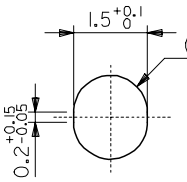
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 4:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: N.AIDA DATE: '05/02/04	TITLE: MINI MI2 1-ROW R/A SMT ASS'Y -LEAD FREE-		
CHECKED BY: K.TOJO DATE: '05/02/04			
APPROVED BY: N.UKITA DATE: '05/02/04	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE CHART	DOCUMENT NO.: SD-55456-010	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		

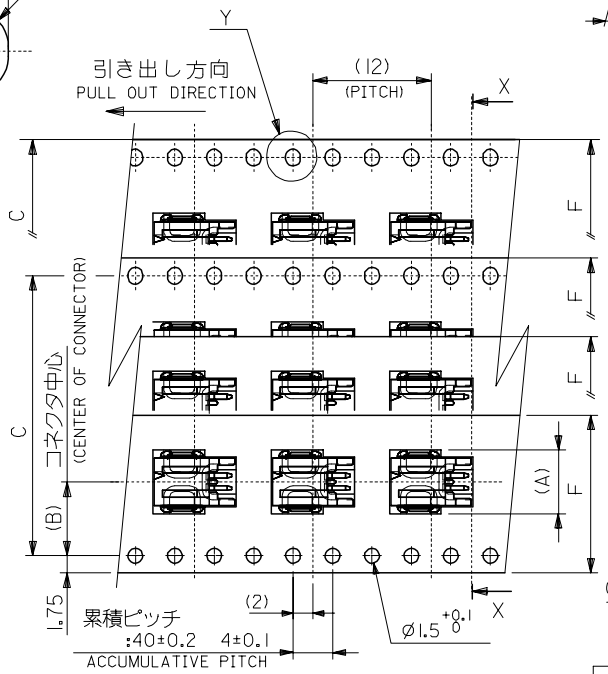


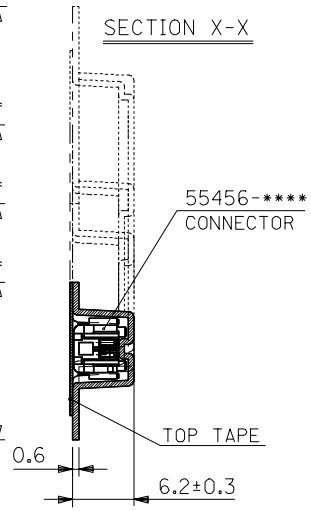
DETAIL Z





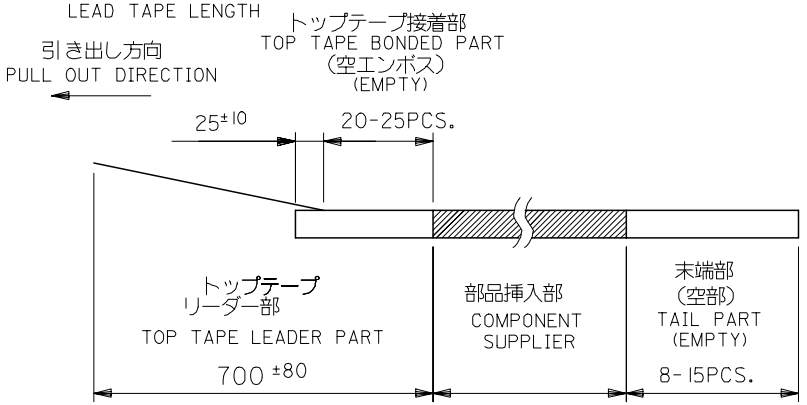
DETAIL Y
(SCALE 10:1)



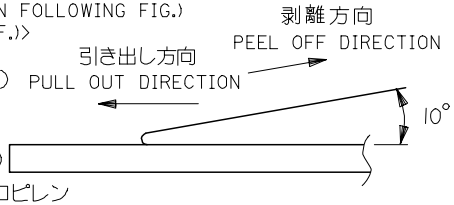


注 記
NOTES

1. 製品番号 55456-****の詳細寸法については、SD-55456-010 を参照下さい。
   IN THE PACKAGE,PART NO.55456-**** DETAILED DIMENSION,SEE SD-55456-010
2. 梱包数量：１２５０個／リール
   NUMBER OF CONNECTORS:1250 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： 0.1~1.3 (10~130gf)
   (剥離方向は下図参照)
   ＜剥離速度： 300mm/min (参考) ＞
   PEEL-OFF FORCE OF TOP TAPE: 0.1~1.3 (10~130gf)
   (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
   <PEEL-OFF SPEED:300mm/min (REF.)>
   尚、本規格値は、出荷時に適用。
   (但し、輸送時に剥離が発生しない事。)
   THIS RESQUREMENT SHOULD BE APPLIED AT SHIPMENT
   (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
   CARRIER TAPE :POLYPROPYLENE
   トップテープ：ＰＥＴ，ＰＥ，ＰＰ
   TOP TAPE :PET,PE,PEF
   リール：ポリスチレン
   REEL:POLYSTYRENE
6. 本製品は 55456-**19/**39/**79/**89 の鉛フリー品である．
   THIS PRODUCT IS LEAD FREE OF 55456-**19/**39/**79/**89.

RELEASED	2005/02/24	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC / THIRD ANGLE PROJECTION
EC NO: J2005-2224	2005/02/25	10 UNDER	±0.2	DRAWN BY N.AIDA	DATE '05/02/04	TITLE: EMBOSSED TAPE PACKAGE FOR 55456-**** -LEAD FREE-
DRWN:NAIDA	2005/03/02	10 OVER 30 UNDER	±0.25	CHECKED BY K.TOJO	DATE '05/02/04	
CHKD:KTOJO		30 OVER	±0.3	APPROVED BY N.UKITA	DATE '05/02/04	molex MOLEX INCORPORATED
APPR:NUKITA	DESCRIPTION	ANGULAR ±3 °		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-55456-011 / SHEET NO. 1 OF 2
REV 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

F キャリアーテープ幅 TAPE WIDTH	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	49.4	45.4	40.4	20.2	28.95	55456-2060	55456-2069	55456-**69 ボス無し WITHOUT BOSS	55456-2050	55456-2059	55456-**59 ボス有り WITH BOSS	20	O K
					27.7	-1960	-1969		-1950	-1959		19	N O
					26.45	-1860	-1869		-1850	-1859		18	O K
					25.2	-1760	-1769		-1750	-1759		17	N O
					23.95	-1660	-1669		-1650	-1659		16	O K
					22.7	-1560	-1569		-1550	-1559		15	N O
					21.45	-1460	-1469		-1450	-1459		14	N O
32	37.4	33.4	28.4	14.2	20.2	-1360	-1369		-1350	-1359		13	O K
					18.95	-1260	-1269		-1250	-1259		12	O K
					17.7	-1160	-1169		-1150	-1159		11	O K
					16.45	-1060	-1069		-1050	-1059		10	O K
24	29.4	25.4	—#—	11.5	15.2	-0960	-0969		-0950	-0959		9	N O
					13.95	-0860	-0869		-0850	-0859		8	N O
					12.7	-0760	-0769		-0750	-0759		7	O K
					11.45	-0660	-0669		-0650	-0659		6	N O
					10.2	-0560	-0569		-0550	-0559		5	O K
					8.95	-0460	-0469		-0450	-0459		4	O K
16	21.4	17.4	—#—	7.5	7.7	-0360	-0369		-0350	-0359		3	N O
					6.45	55456-0260	55456-0269		55456-0250	55456-0259		2	O K

RELEASED
EC NO: J2005-2224 2005/02/24
DRWN:NAIDA 2005/02/25
CHKD:KTOJO 2005/03/02
APPR:NUKITA
DESCRIPTION
REV 0

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: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: N.AIDA DATE: '05/02/04
CHECKED BY: K.TOJO DATE: '05/02/04
APPROVED BY: N.UKITA DATE: '05/02/04
MATERIAL NO.: SEE CHART

TITLE: EMBOSSED TAPE PACKAGE FOR 55456-**** -LEAD FREE-

molex MOLEX INCORPORATED

DOCUMENT NO.: SD-55456-011
SHEET NO.: 2 OF 2

SIZE A3

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