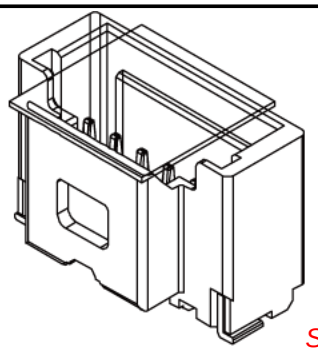
This document was generated on 05/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 5013311007
Status: Active
Overview: picoclasp
Description: 1.00mm (.039") Pitch Pico-Clasp™ Wire-to-Board Header, Surface Mount, Single Row, Vertical, with Positive Lock, 10 Circuits, with Cover Tape, Lead-free



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-501331-001 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	501331
Application	Wire-to-Board
Overview	picoclasp
Product Name	Pico-Clasp™

Physical

Breakaway	No
Circuits (Loaded)	10
Color - Resin	Natural
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.039 In
Pitch - Mating Interface (mm)	1.00 mm
Polarized to Mating Part	Yes
Polarized to PCB	No
Robotic Placement	Vacuum Pick-Up Tape
Stackable	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-501331-001
Product Specification	PS-501331-001, RPS-501331-001, RPS-501331-002, RPS-501331-003, RPS-501331-005, RPS-501331-006, RPS-501331-007, RPS-501940-001, RPS-501940-002
Sales Drawing	SD-501331-002, SD-501331-004

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

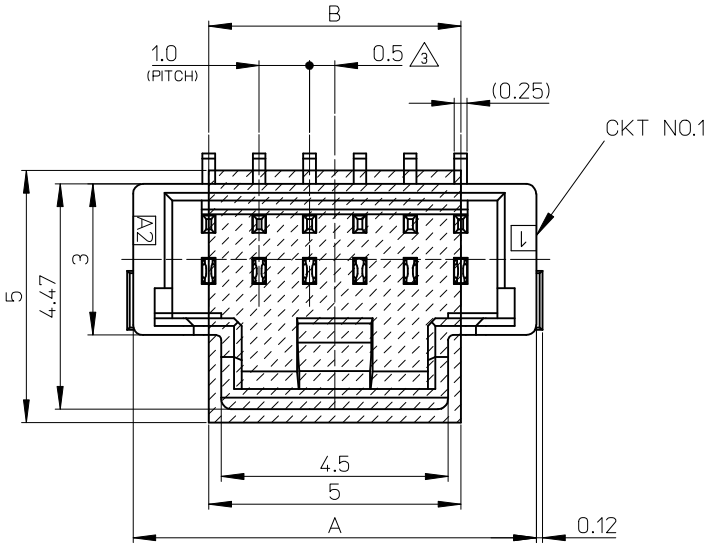
Please visit the Contact Us section for any non-product compliance questions.

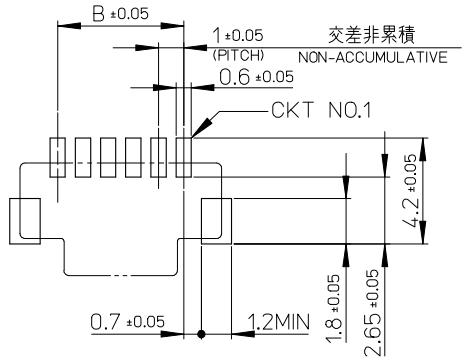
Search Parts in this Series
501331Series

Mates With
501330 Pico-Clasp™ Wire-to-Board Female Housing

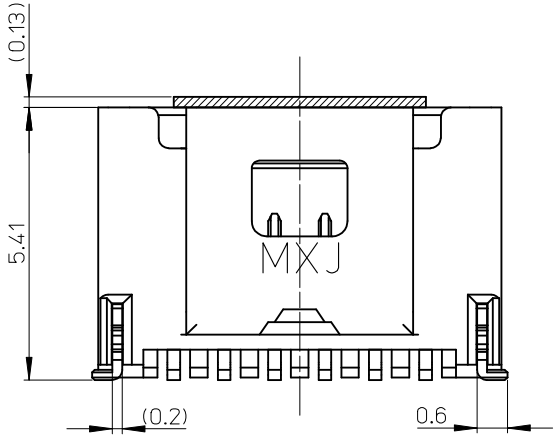
This document was generated on 05/26/2010

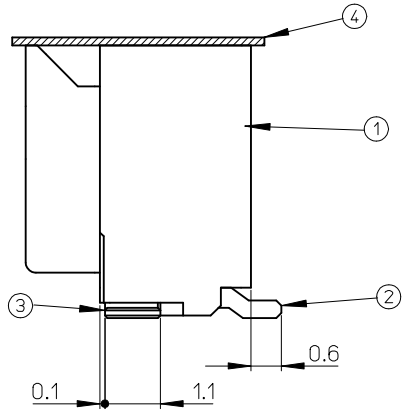
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION





参考パターンレイアウト
RECCOMENDED PATTERN DIM. (REF)
SCALE:5:1





番号 NO.	部品 PART	材質 MATERIAL
①	ウエハー WAFER	耐熱ナイロン樹脂 UL94V-0 色：表参照 HEAT RESISTANCE NYLON UL94V-0 , COLOR:SEE TABLE
②	ソルダーピン SOLDER PIN	りん青銅 PHOSPHOR BRONZE 錫メッキ：1.0μmMIN. TIN ニッケルメッキ（下地）：1.0μmMIN. NICKEL(UNDER PLATING)
③	ネイル NAIL	りん青銅 PHOSPHOR BRONZE 錫メッキ：1.0μmMIN. TIN ニッケルメッキ（下地）：1.0μmMIN. NICKEL(UNDER PLATING)
④	カバーテープ COVER TAPE	ポリイミドテープ POLYIMIDE TAPE

B	A	極数 CIRCUITS
14.0	17.0	15
13.0	16.0	14
12.0	15.0	13
11.0	14.0	12
10.0	13.0	11
9.0	12.0	10
8.0	11.0	9
7.0	10.0	8
6.0	9.0	7
5.0	8.0	6

※対応可能な極数は、別途お問い合わせ下さい。

NOTES.
1. 嵌合相手：501330-****
   MATE WITH : 501330-****
2. ソルダーピン及びネイル平坦度は、0.1MAX.
   SOLDER PIN AND NAIL COPLANARITY TO BE 0.1MAX.
△3 極数＝偶数に適用
   APPLY FOR CKT SIZE=EVEN
4. 2~5極は、SD-501331-001を参照下さい。
   REFER TO SD-501331-001 ABOUT 2-5CKT.
5. ELV及びRoHS適合品.
   ELV AND RoHS COMPLIANT.

CONNECTOR SERIES No. 501331-***9

REVISED
EC NO: J2010-0339 2009/09/01
DRWN:TNAKAGAWA01 2009/09/01
CH'KD:HMATSUMOTO 2009/09/01
APPR:HHIRATA 2009/09/01
DESCRIPTION
REV H

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	10:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	NYOSHIDA
DATE	2004/07/30
CHECKED BY	MYAGI
DATE	2004/07/30
APPROVED BY	MIYAZAWA
DATE	2004/07/30
MATERIAL NO.	SEE TABLE
TITLE	1.0 WIRE TO BOARD CONN. WAFER ASS'Y (1-ROW S/T) 6-15CKT
	MOLEX INCORPORATED
DOCUMENT NO.	SD-501331-002
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

紫 PA46 VIOLET	橙 PA46 ORANGE	茶 PA46 BROWN	緑 PA46 GREEN	色 COLOR
501331-1597	501331-1587	501331-1577	501331-1567	15
501331-1497	501331-1487	501331-1477	501331-1467	14
501331-1397	501331-1387	501331-1377	501331-1367	13
501331-1297	501331-1287	501331-1277	501331-1267	12
501331-1197	501331-1187	501331-1177	501331-1167	11
501331-1097	501331-1087	501331-1077	501331-1067	10
501331-0997	501331-0987	501331-0977	501331-0967	9
501331-0897	501331-0887	501331-0877	501331-0867	8
501331-0797	501331-0787	501331-0777	501331-0767	7
501331-0697	501331-0687	501331-0677	501331-0667	6
EMBOSSED PACKAGE	EMBOSSED PACKAGE	EMBOSSED PACKAGE	EMBOSSED PACKAGE	極数 CIRCUITS
オーダー番号 ORDER NO.	オーダー番号 ORDER NO.	オーダー番号 ORDER NO.	オーダー番号 ORDER NO.	

CONNECTOR SERIES No. 501331-***9

青 PA46 BLUE	黄 PA46 YELLOW	赤 PA46 RED	黒 PA46 BLACK	自然色 PA6T NATURAL	色 COLOR
501331-1547	501331-1537	501331-1527		501331-1507	15
501331-1447	501331-1437	501331-1427		501331-1407	14
501331-1347	501331-1337	501331-1327		501331-1307	13
501331-1247	501331-1237	501331-1227		501331-1207	12
501331-1147	501331-1137	501331-1127		501331-1107	11
501331-1047	501331-1037	501331-1027		501331-1007	10
501331-0947	501331-0937	501331-0927	501331-0917	501331-0907	9
501331-0847	501331-0837	501331-0827	501331-0817	501331-0807	8
501331-0747	501331-0737	501331-0727		501331-0707	7
501331-0647	501331-0637	501331-0627	501331-0617	501331-0607	6
EMBOSSED PACKAGE	EMBOSSED PACKAGE	EMBOSSED PACKAGE	EMBOSSED PACKAGE	EMBOSSED PACKAGE	極数 CIRCUITS
オーダー番号 ORDER NO.	オーダー番号 ORDER NO.	オーダー番号 ORDER NO.	オーダー番号 ORDER NO.	オーダー番号 ORDER NO.	

CONNECTOR SERIES No. 501331-***9

REVISED
EC NO: J2010-0339 2009/09/01
DRWN:TNAKAGAWA01 2009/09/01
CH'KD:HMATSUMOTO 2009/09/01
APPR:HHIRATA 2009/09/01
DESCRIPTION
H
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: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: NYOSHIDA DATE: 2004/07/30
CHECKED BY: MYAGI DATE: 2004/07/30
APPROVED BY: MIYAZAWA DATE: 2004/07/30

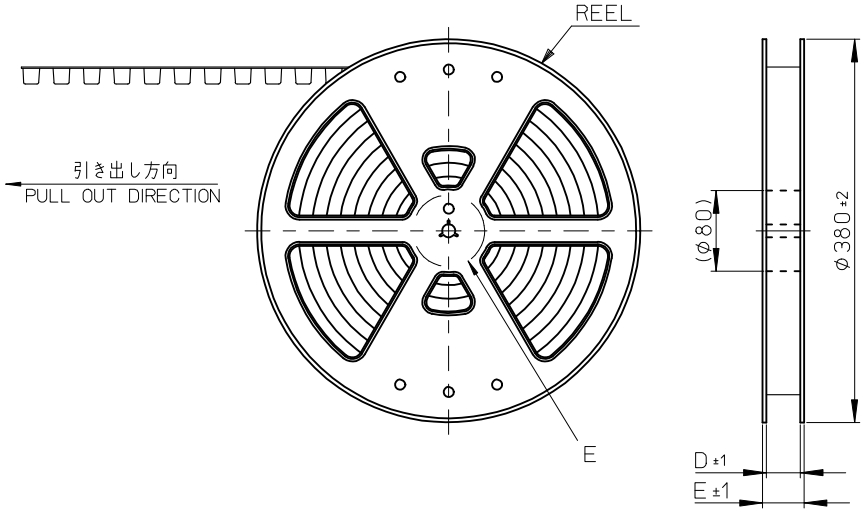
TITLE: 1.0 WIRE TO BOARD CONN. WAFER ASS'Y (1-ROW S/T) 6-15CKT

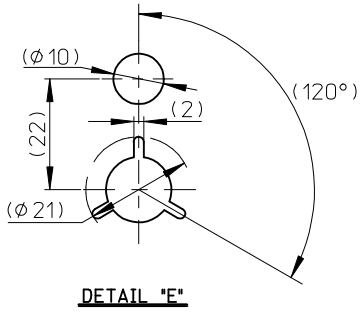
molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-501331-002
SHEET NO.: 2 OF 2

SIZE A3

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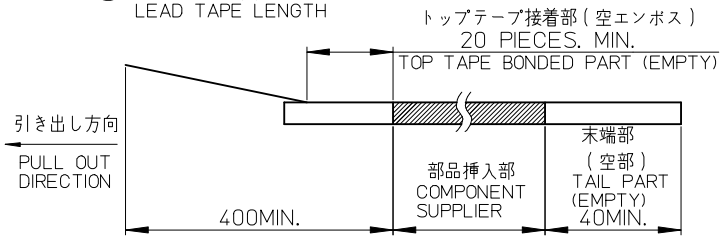




DETAIL "E"

NOTES.

1. 製品詳細寸法については製品単体図面を参照ください。
   ABOUT DETAILED DIMENSION, SEE PRODUCT DRAWING.
2. 梱包数量：1100個／リール
   NUMBER OF CONNECTORS : 1100PIECES/REEL
3. リードテープ長さ
   LEAD TAPE LENGTH



4. 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、REF
   TOP TAPE
   リール：ポリスチレン（リサイクル材を含む）
   REEL : POLYSTYLENE (RECYCLE MATERIAL CONTAINED)
5. ELV 及び RoHS適合品
   ELV AND RoHS COMPLIANT.
6. ハイバリア梱包（シリカゲル入り）対応品である。(501331-**07除く)
   THIS PRODUCT IS HIGH BARRIER PACKAGE.(WITH SILICAGEL)
   (BESIDES 501331-**07)
7. 開梱後の保管条件に注意のこと。（ハイバリア品対象：PS-501331-001参照）
   REFER TO PS-501331-001(HIGH BARRIER PRODUCT)
   FOR CONDITIONS AFTER OPEN.

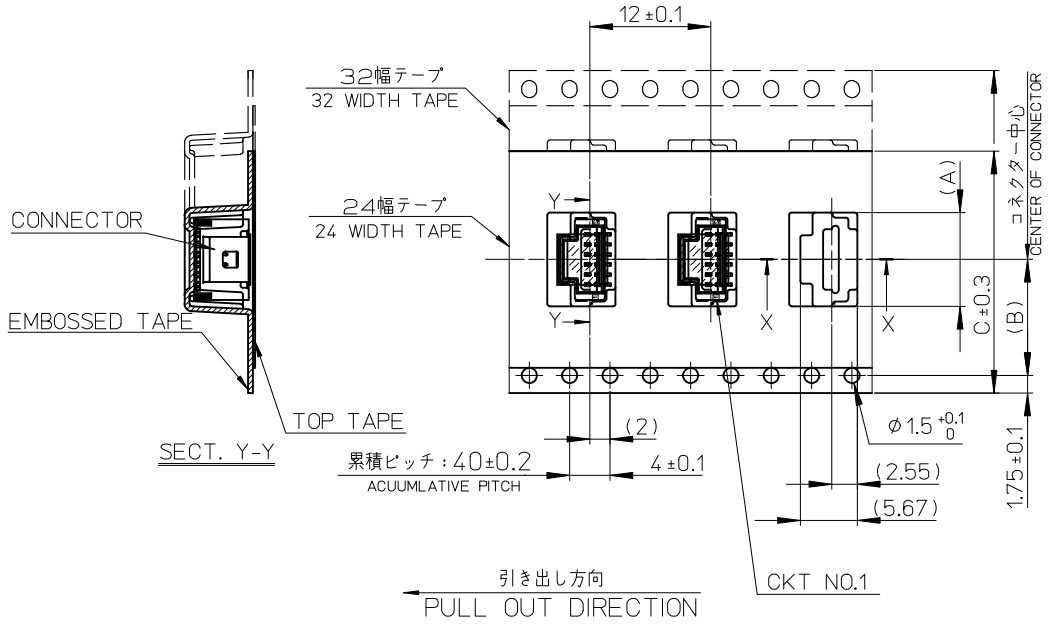
REVISED	EC NO:	DESCRIPTION	REV
DRWN:TNAKAGAWA01	J2010-0339		E
CHKD:HMATSUMOTO	2009/09/01		
APPR:HHIRATA	2009/09/01		

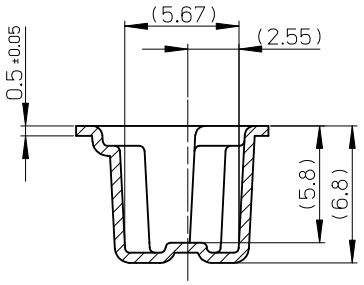
GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±1 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	NYOSHIDA
DATE	2005/01/18
CHECKED BY	MYAGI
DATE	2005/01/18
APPROVED BY	ANODA
DATE	2005/01/18
MATERIAL NO.	SEE SHEET 3
TITLE	1.0 WIRE TO BOARD CONN. WAFER ASS'Y (1-ROW S/T) EMBSTP PKG
	MOLEX INCORPORATED
DOCUMENT NO.	SD-501331-004
SHEET NO.	1 OF 3
SIZE	A3

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SECT. X-X
(SCALE 4:1)

37.4	33.4	32	14.2	18.3	15
				17.3	14
				16.3	13
29.4	25.4	24	11.5	15.3	12
				14.3	11
				13.3	10
				12.3	9
				11.3	8
				10.3	7
				9.3	6
E	D	C	(B)	(A)	極数 CIRCUITS

CONNECTOR SERIES No. 501331-***9

REVISED
EC NO: J2010-0339 2009/09/01
DRWN:TNAKAGAWA01 2009/09/01
CH'KD:HMATSUMOTO 2009/09/01
APPR:HHIRATA 2009/09/01
DESCRIPTION
REV
E

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	NYOSHIDA
DATE	2005/01/18
CHECKED BY	MYAGI
DATE	2005/01/18
APPROVED BY	ANODA
DATE	2005/01/18
MATERIAL NO.	SEE SHEET 3
TITLE	1.0 WIRE TO BOARD CONN. WAFER ASS'Y (1-ROW S/T) EMBSTP PKG
	MOLEX INCORPORATED
DOCUMENT NO.	SD-501331-004
SHEET NO.	2 OF 3
SIZE	A3

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

紫 VIOLET	橙 ORANGE	茶 BROWN	緑 GREEN	色 COLOR
501331-1597	501331-1587	501331-1577	501331-1567	15
501331-1497	501331-1487	501331-1477	501331-1467	14
501331-1397	501331-1387	501331-1377	501331-1367	13
501331-1297	501331-1287	501331-1277	501331-1267	12
501331-1197	501331-1187	501331-1177	501331-1167	11
501331-1097	501331-1087	501331-1077	501331-1067	10
501331-0997	501331-0987	501331-0977	501331-0967	9
501331-0897	501331-0887	501331-0877	501331-0867	8
501331-0797	501331-0787	501331-0777	501331-0767	7
501331-0697	501331-0687	501331-0677	501331-0667	6
EMBOSSED PACKAGE	EMBOSSED PACKAGE	EMBOSSED PACKAGE	EMBOSSED PACKAGE	極数 CIRCUITS
オーダー番号 ORDER NO.	オーダー番号 ORDER NO.	オーダー番号 ORDER NO.	オーダー番号 ORDER NO.	

CONNECTOR SERIES No. 501331-***9

青 BLUE	黄 YELLOW	赤 RED	黒 BLACK	自然色 NATURAL	色 COLOR
501331-1547	501331-1537	501331-1527		501331-1507	15
501331-1447	501331-1437	501331-1427		501331-1407	14
501331-1347	501331-1337	501331-1327		501331-1307	13
501331-1247	501331-1237	501331-1227		501331-1207	12
501331-1147	501331-1137	501331-1127		501331-1107	11
501331-1047	501331-1037	501331-1027		501331-1007	10
501331-0947	501331-0937	501331-0927	501331-0917	501331-0907	9
501331-0847	501331-0837	501331-0827	501331-0817	501331-0807	8
501331-0747	501331-0737	501331-0727		501331-0707	7
501331-0647	501331-0637	501331-0627	501331-0617	501331-0607	6
EMBOSSED PACKAGE	EMBOSSED PACKAGE	EMBOSSED PACKAGE	EMBOSSED PACKAGE	EMBOSSED PACKAGE	極数 CIRCUITS
オーダー番号 ORDER NO.	オーダー番号 ORDER NO.	オーダー番号 ORDER NO.	オーダー番号 ORDER NO.	オーダー番号 ORDER NO.	

CONNECTOR SERIES No. 501331-***9

REVISED
E EC NO: J2010-0339 DRWN:TNAKAGAWA01 2009/09/01
CH'KD:HMATSUMOTO 2009/09/01
APPR:HHIRATA 2009/09/01
DESCRIPTION
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: NYOSHIDA DATE: 2005/01/18
CHECKED BY: MYAGI DATE: 2005/01/18
APPROVED BY: ANODA DATE: 2005/01/18

TITLE: 1.0 WIRE TO BOARD CONN. WAFER ASS'Y (1-ROW S/T) EMBSTP PKG

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-501331-004
SHEET NO.: 3 OF 3
SIZE: A3

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