



产品编号 : 5050700622

系列号 : 505070

Product Category : Board-to-Board  
Connectors

Product Description : SlimStack Board-to-Board Plug, 0.35mm Pitch, SSB RP Series, 0.60 or 0.70mm Mated Height, 2.00mm Mated Width, 6 Circuits, Armor Nail, 0.15mm Fitting Nail Width

状态 : Active

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## 文件和资源

### 图纸

图纸 5050700622\_sd.pdf

### 3D 模型和设计文件

2D 图纸 DXF 5050700622.dxf

2D 图纸 DXF PDF 5050700622.pdf

3D模型 5050700622\_stp.zip

### 规格

应用规格 5050660000-A06.pdf


包装规格 5050709200-203.pdf

产品规格 5050660000-014.pdf

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## 产物环境合规

### 合规

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

### 多部分产品合规性声明

- Eu RoHS
- REACH SVHC
- Low-Halogen
- IPC 1752A Class C

- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

欧盟 RoHS 合格证书

## 产品详情

### 常规

状态	活动
类别	Board-to-Board Connectors
系列	505070
说明	SlimStack Board-to-Board Plug, 0.35mm Pitch, SSB RP Series, 0.60 or 0.70mm Mated Height, 2.00mm Mated Width, 6 Circuits, Armor Nail, 0.15mm Fitting Nail Width
产品系列	0.35, SSB RP
应用	Board-to-Board
元件类型	PCB Header
产品系列	SlimStack Board-to-Board/Board-to-FPC Connectors
产品名称	SlimStack
UPC	191128261494

### 电气

每触点最大电流	0.3A, 3.0A
电压 - 最大	50V AC (RMS)/DC

### 物理

断开	否
回路数 (已载入)	6
电路数 (最多)	6
颜色-树脂	黑色
耐用性(插拔次数) - 最多次数	30
符合灼热丝规范	否
插配长度	0.60mm, 0.70mm
插配宽度	2.00mm

材料 - 金属	Copper Alloy
材料 - 接合部位电镀	金牌
材料 - 终端电镀	金牌
材料 - 树脂	Liquid Crystal Polymer
净重	2.823/mg
行数	2
方向	垂直
包装形式	Embossed Tape on Reel
PCB 定位器	否
PCB 保持力	是
间距 - 插配接口	0.35mm
间距 - 终端界面	0.35mm
最薄镀层 - 接合部位	0.100µm
最薄镀层 - 端接	0.050µm
有极性的插配件	否
PCB 极性	否
运行温度范围	-40° to +85° C
终端界面类型	Surface Mount

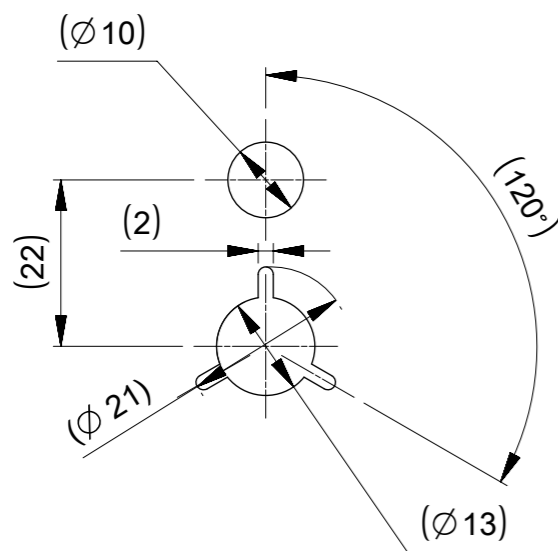
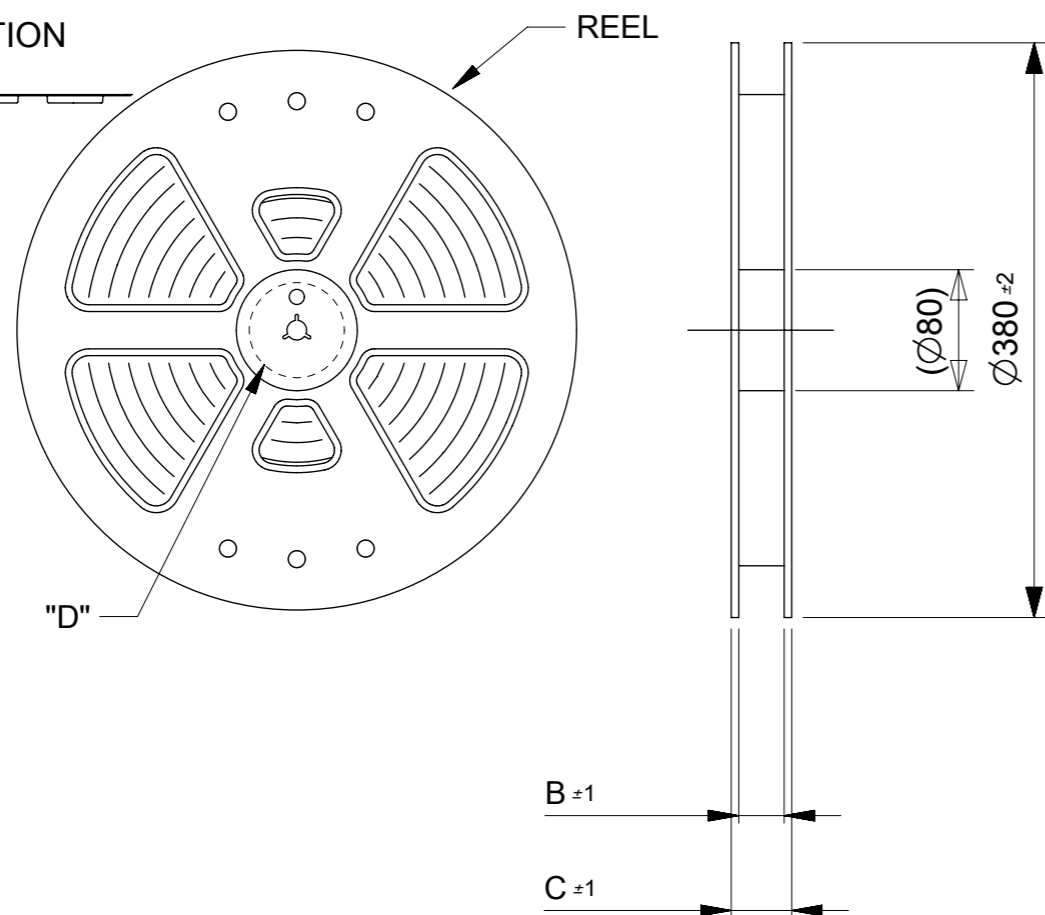
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## 可配插/可连接使用的产品

### 可配插部件

描述	产品编号
0.35mm Pitch SlimStack Board-to-Board Receptacles	<u>505066</u>
0.35mm Pitch SlimStack Board-to-Board Receptacles	<u>505270</u>

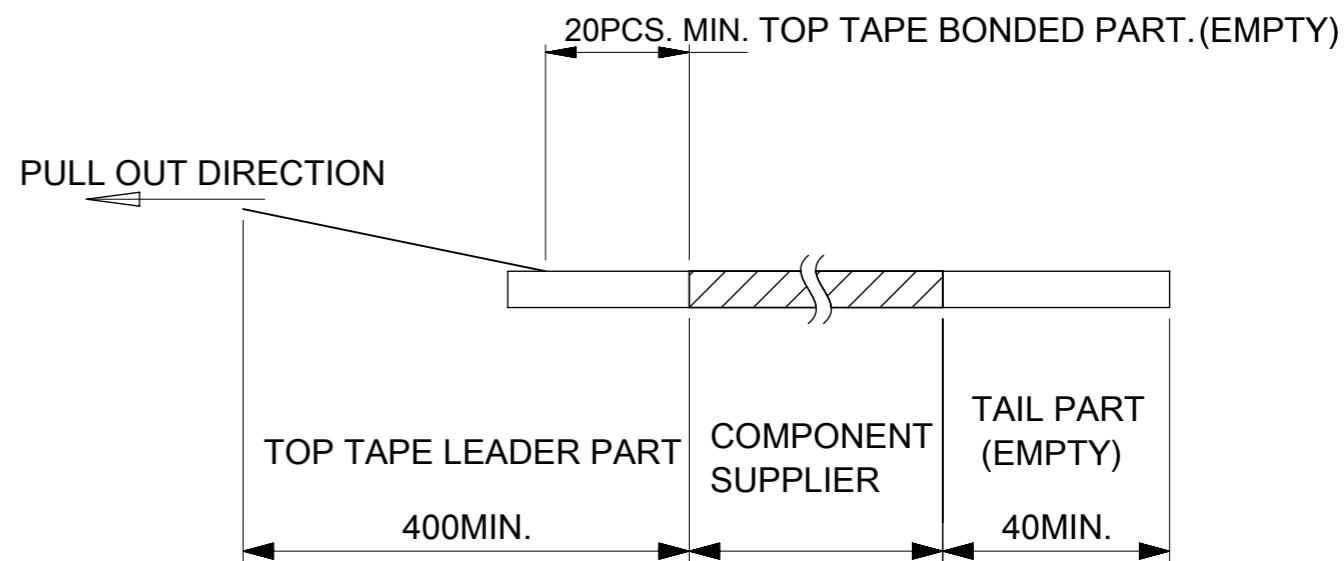
PULL OUT DIRECTION



DETAIL "D"

NOTES

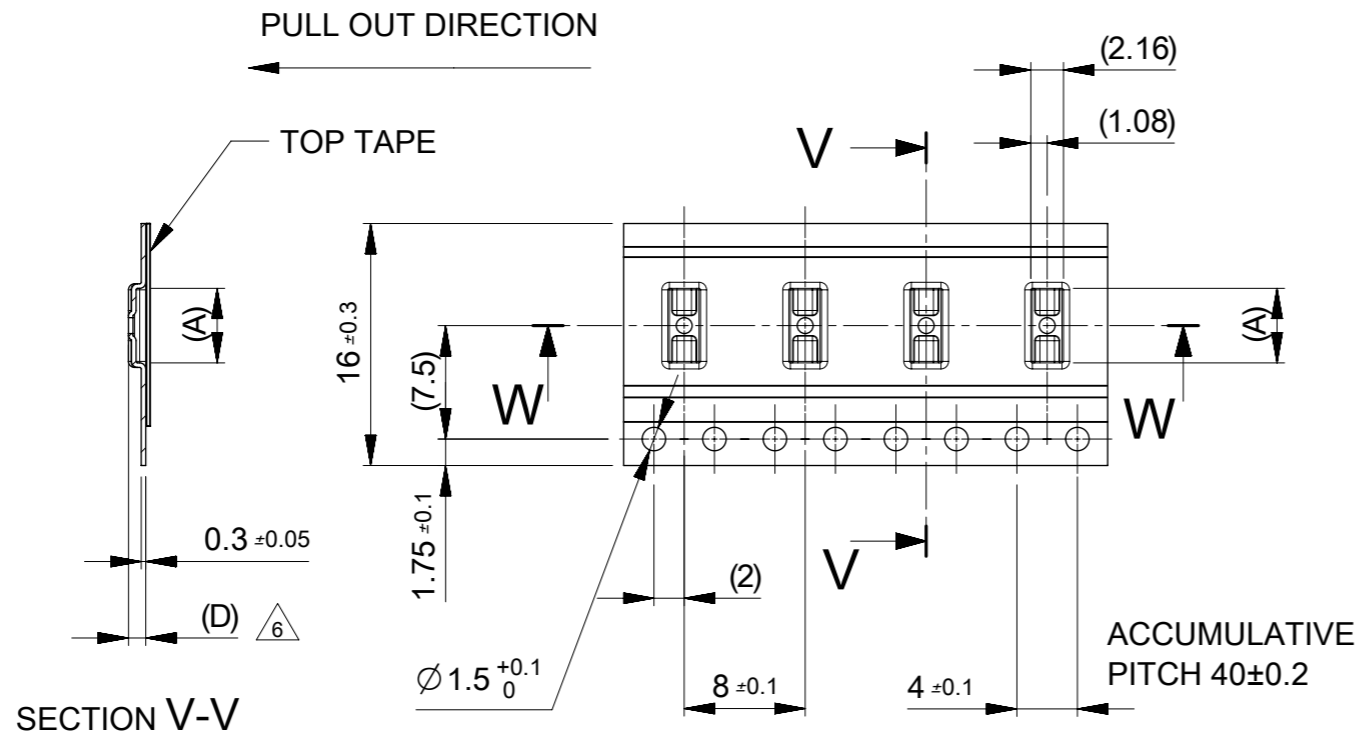
- RE DETAILED DIMENSION, SEE PRODUCT DRAWING.
- NUMBER OF CONNECTORS : 8000 PCS/REEL.
- LEAD TAPE LENGTH.



- TOP TAPE PEEL FORCE IS DEFINED BY IEC60286-3
- MATERIAL  
CARRER TAPE :POLYSTYRENE  
TOP TAPE :PET , OTHER  
REEL :POLYSTYRENE(PS)(RECYCLE MATERIAL CONTAINED)
- △ Only 6 circuit is different in this dimension.

MODEL NO. 505070-\*\*22

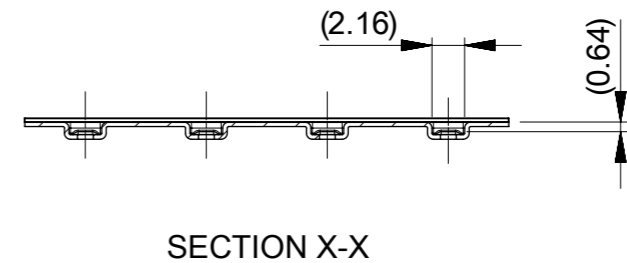
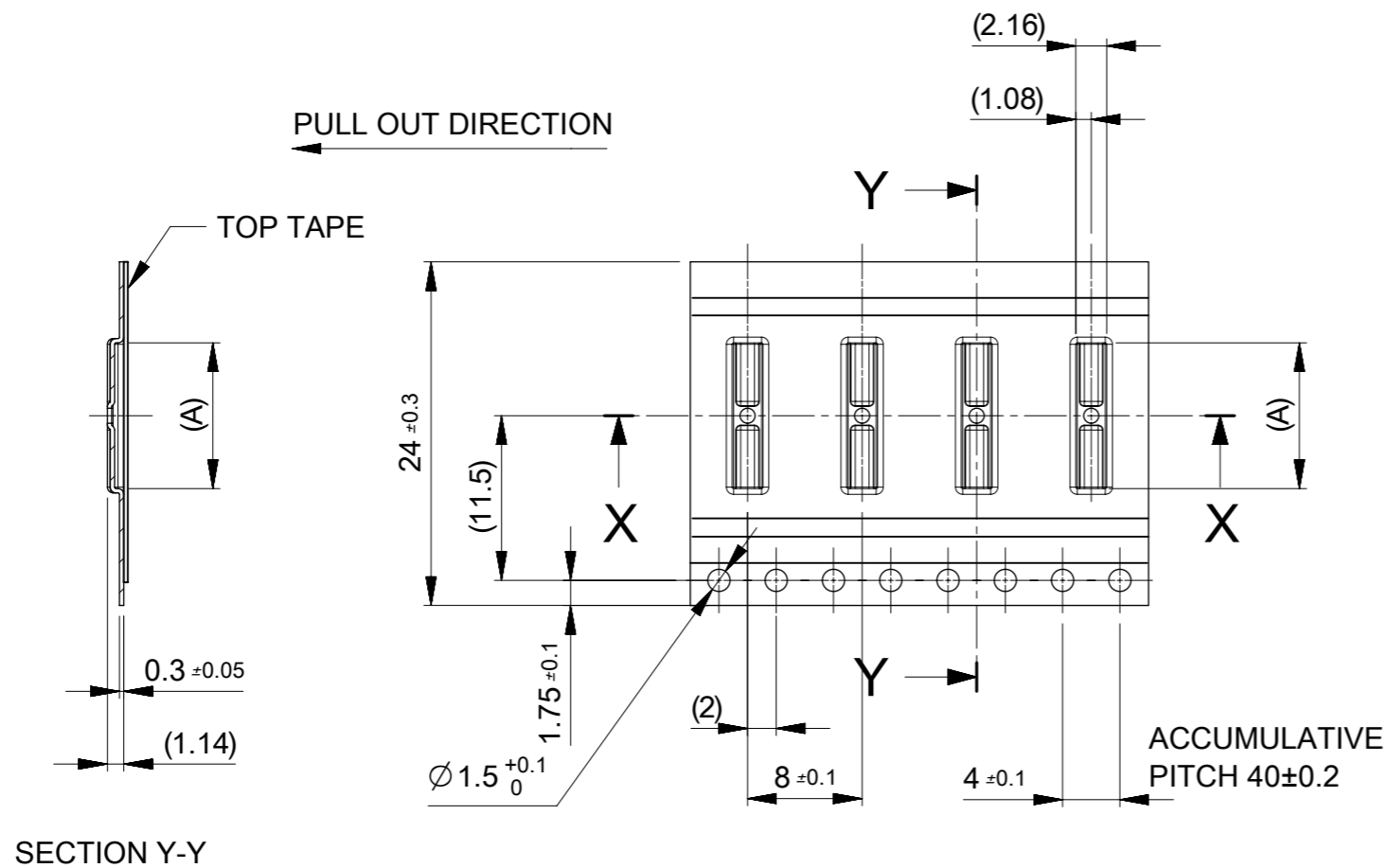
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: RELEASED		<b>molex</b>	
DIMENSION UNITS	SCALE				
mm	1:5			PRODUCT CUSTOMER DRAWING	
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 612826		DOCUMENT NUMBER	
ANGULAR TOL	± 1.0 °	DRWN: GSHARMA 2019/02/22		5050700000	
4 PLACES	± 0.01	CHK'D: MSASAO 2019/02/27		DOC TYPE	DOC PART
3 PLACES	± 0.03	APPR: MSASAO 2019/02/27		PSD	007
2 PLACES	± 0.05	INITIAL REVISION:		REVISION	B
1 PLACE	± 0.1	DRWN: TNISHIDA02 2017/03/28			
0 PLACES	± 0.2	APPR: TKUSUHARA01 2017/04/03			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
			A3-SIZE	505070	SEE CHART
				CUSTOMER	SHEET NUMBER
				GENERAL	1 OF 3



16	0.64	1.14	21.4	17.4	6.68	505070-3022	○	---	30				
					5.63	505070-2422	○	---	24				
					5.28	505070-2222	○	---	22				
					4.93	505070-2022	○	---	20				
					4.58	505070-1822	---	---	18				
					4.23	505070-1622	○	---	16				
					3.88	505070-1422	○	---	14				
					3.53	505070-1222	○	---	12				
					3.18	505070-1022	○	---	10				
					2.78	505070-0822	○	---	8				
					2.43	505070-0622	○	---	6				
キャリアテープ幅 CARRIER TAPE WIDTH					(E)	(D)	C	B	(A)	MATERIAL No.	HIGH VOL. TOOL	LOW VOL. TOOL	CIRCUIT
											SAMPLE PREPARATION		

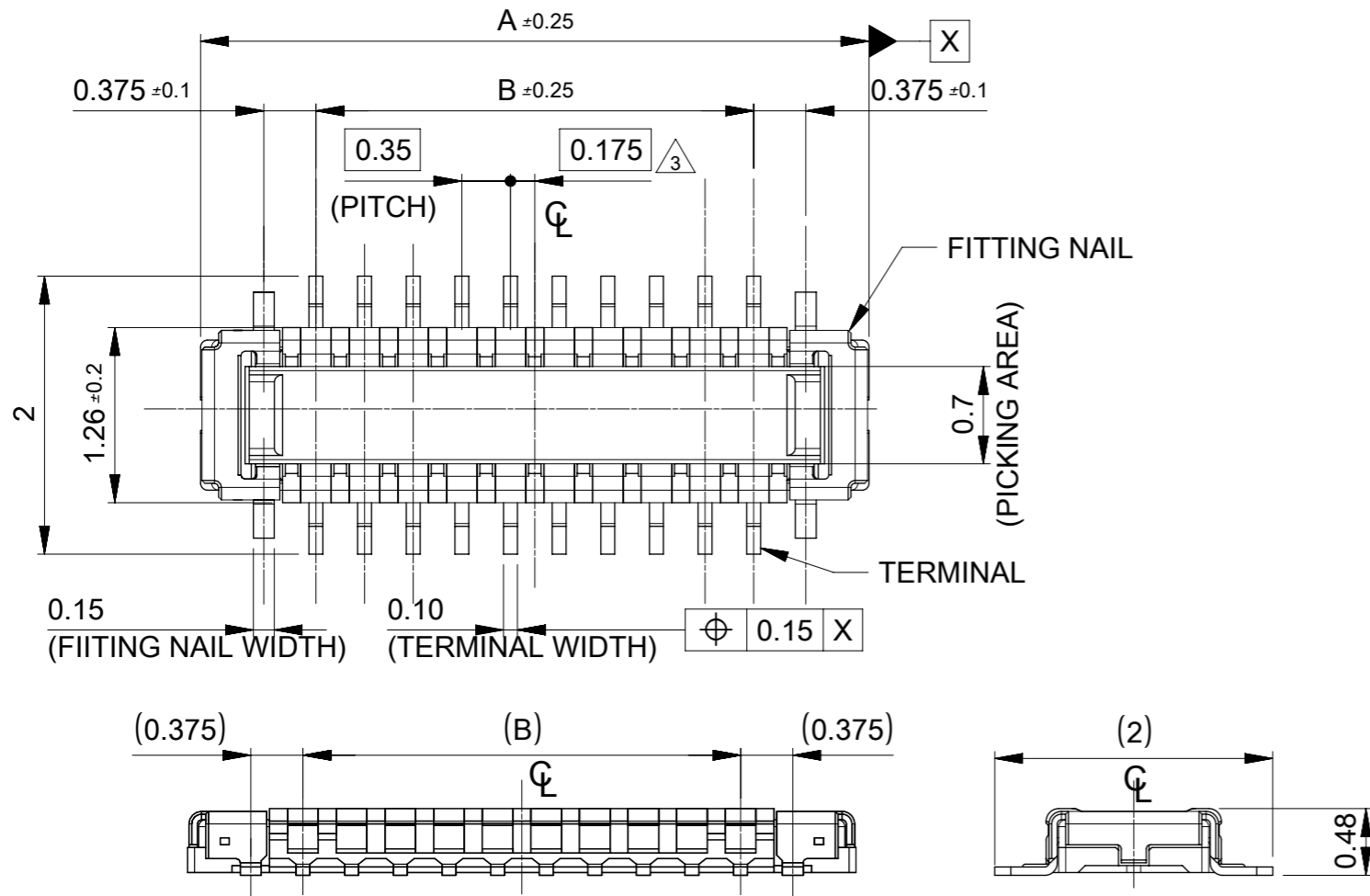
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS mm	SCALE 2:1	CURRENT REV DESC: RELEASED						
GENERAL TOLERANCES (UNLESS SPECIFIED)		<b>molex</b> 0.35 BB CONN. H=0.6 SSB6 RP PLUG ASSY PRODUCT CUSTOMER DRAWING						
ANGULAR TOL	± 1.0°							
4 PLACES	± 0.01							
3 PLACES	± 0.03							
2 PLACES	± 0.05							
1 PLACE	± 0.1							
0 PLACES	± 0.2	EC NO: 612826 DRWN: GSHARMA 2019/02/22 CHK'D: MSASAO 2019/02/27 APPR: MSASAO 2019/02/27 INITIAL REVISION: DRWN: TNISHIDA02 2017/03/28 APPR: TKUSUHARA01 2017/04/03						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING A3-SIZE	SERIES 505070	DOCUMENT NUMBER 5050700000	DOC TYPE PSD	DOC PART 007	REVISION B
DOCUMENT STATUS P1		RELEASE DATE 2019/02/27 05:28:35		MATERIAL NUMBER SEE CHART		CUSTOMER GENERAL		SHEET NUMBER 2 OF 3



24	29.4	25.4	12.63	505070-6422	---	---	64
			11.93	505070-6022	---	---	60
			10.88	505070-5422	○	---	54
			10.18	505070-5022	○	---	50
			9.83	505070-4822	○	---	48
			9.48	505070-4622	---	---	46
			8.78	505070-4222	○	---	42
			8.43	505070-4022	○	---	40
			7.38	505070-3422	○	---	34
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL No.	HIGH VOL TOOL	LOW VOL TOOL	CIRCUIT
					SAMPLE PREPARATION		

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
DIMENSION UNITS mm		SCALE 2:1		CURRENT REV DESC: RELEASED			
GENERAL TOLERANCES (UNLESS SPECIFIED)				<b>molex</b> 0.35 BB CONN. H=0.6 SSB6 RP PLUG ASSY PRODUCT CUSTOMER DRAWING			
ANGULAR TOL ± 1.0°							
4 PLACES ± 0.01							
3 PLACES ± 0.03							
2 PLACES ± 0.05							
1 PLACE ± 0.1							
0 PLACES ± 0.2				EC NO: 612826		2019/02/22	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	
SERIES A3-SIZE		505070		MATERIAL NUMBER SEE CHART		CUSTOMER GENERAL	
DOCUMENT NUMBER 5050700000		DOC TYPE PSD		DOC PART 007		REVISION B	
SHEET NUMBER 3 OF 3							



- 1 MATERIAL  
 WAFER: LIQUID CRYSTAL POLYMER UL94V-0 (COLOR: BLACK)  
 TERMINAL: COPPER ALLOY  
 FITTING NAIL: COPPER ALLOY
- 2 PLATING  
 TERMINAL:  
 CONTACT AREA: SEPARATED GOLD PLATING (0.1 MICROMETER MINIMUM).  
 SOLDER TAIL AREA: SEPARATED GOLD PLATING.  
 UNDERPLATE: NICKEL OVERALL.  
 \*DIVIDE INTO PARTS THE GOLD PLATING OF THE CONTACT AND THE TAIL PART BY THE NICKEL PLATING.
- FITTING NAIL:  
 CONTACT AREA: SEPARATED GOLD PLATING (0.1 MICROMETER MINIMUM).  
 SOLDER TAIL AREA: SEPARATED GOLD PLATING.  
 UNDERPLATE: NICKEL OVERALL.  
 \*DIVIDE INTO PARTS THE GOLD PLATING OF THE CONTACT AND THE TAIL PART BY THE NICKEL PLATING.  
 \*EVEN THOUGH GOLD PLATING ON THE TOP SURFACE OF NAIL MIGHT BE THIN, NO FUNCTIONAL PROBLEM.

- △<sub>3</sub> APPLY FOR (CIRCUIT/2)=EVEN.
- 4 MATE WITH :505066-\*\*22 (H=0.6) , 505270\*\*12 (H=0.7)
- 5 TAIL AND FITTING NAIL COPLANARITY TO BE 0.08 MAXIMUM.
- △<sub>6</sub> PROHIBITED AREA OF PATTERN WIRING AND SOLDER.  
 (FOR EACH AREA, THE WIRING THAT TOUCHES ON THE SOLDER CAN BE ATTACHED, THEN COVERED WITH A FILM TO KEEP SOLDER OUT).
- △<sub>7</sub> THIS DIMENSION SHOWS THE DIMENSION BETWEEN SOLDERING SURFACE OF SOLDER TAILS.

14.76	14.16	11.90	13.56	505070-7022	---	---	70
13.71	13.11	10.85	12.51	505070-6422	---	---	64
13.01	12.41	10.15	11.81	505070-6022	---	---	60
12.66	12.06	9.80	11.46	505070-5822	---	---	58
11.96	11.36	9.10	10.76	505070-5422	○	---	54
11.26	10.66	8.40	10.06	505070-5022	○	---	50
10.91	10.31	8.05	9.71	505070-4822	○	---	48
10.56	9.96	7.70	9.36	505070-4622	---	---	46
9.86	9.26	7.00	8.66	505070-4222	○	---	42
9.51	8.91	6.65	8.31	505070-4022	○	---	40
9.16	8.56	6.30	7.96	505070-3822	---	---	38
8.46	7.86	5.60	7.26	505070-3422	○	---	34
7.76	7.16	4.90	6.56	505070-3022	○	---	30
6.71	6.11	3.85	5.51	505070-2422	○	---	24
6.36	5.76	3.50	5.16	505070-2222	○	---	22
6.01	5.41	3.15	4.81	505070-2022	○	---	20
5.66	5.06	2.80	4.46	505070-1822	---	---	18
5.31	4.71	2.45	4.11	505070-1622	○	---	16
4.96	4.36	2.10	3.76	505070-1422	○	---	14
4.61	4.01	1.75	3.41	505070-1222	○	---	12
4.26	3.66	1.40	3.06	505070-1022	○	---	10
3.91	3.31	1.05	2.71	505070-0822	○	---	8
3.56	2.96	0.70	2.36	505070-0622	○	---	6

D	C	B	A	EMBOSSED TAPE PACKAGE	HIGH VOL. TOOL	LOW VOL. TOOL	CIRCUIT
				ORDER NO.	SAMPLE PREPARATION ○ : TOOLED △ : WORK IN PROCESS ---: TOOLING TO BE CONFIRMED		

CONNECTOR SERIES NO. : 505070-\*\*19

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DIMENSION UNITS: mm SCALE: 20:1 CURRENT REV DESC: RELEASED

GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL ± 1.0°

4 PLACES ± 0.01  
 3 PLACES ± 0.03  
 2 PLACES ± 0.05  
 1 PLACE ± 0.1  
 0 PLACES ± 0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING: A3-SIZE SERIES: 505070 MATERIAL NUMBER: SEE CHART CUSTOMER: GENERAL SHEET NUMBER: 1 OF 2

EC NO: 646121 DRWN: YSEKI01 2019/09/19  
 CHK'D: STERUKI 2020/09/28  
 APPR: YNAITO 2020/09/28

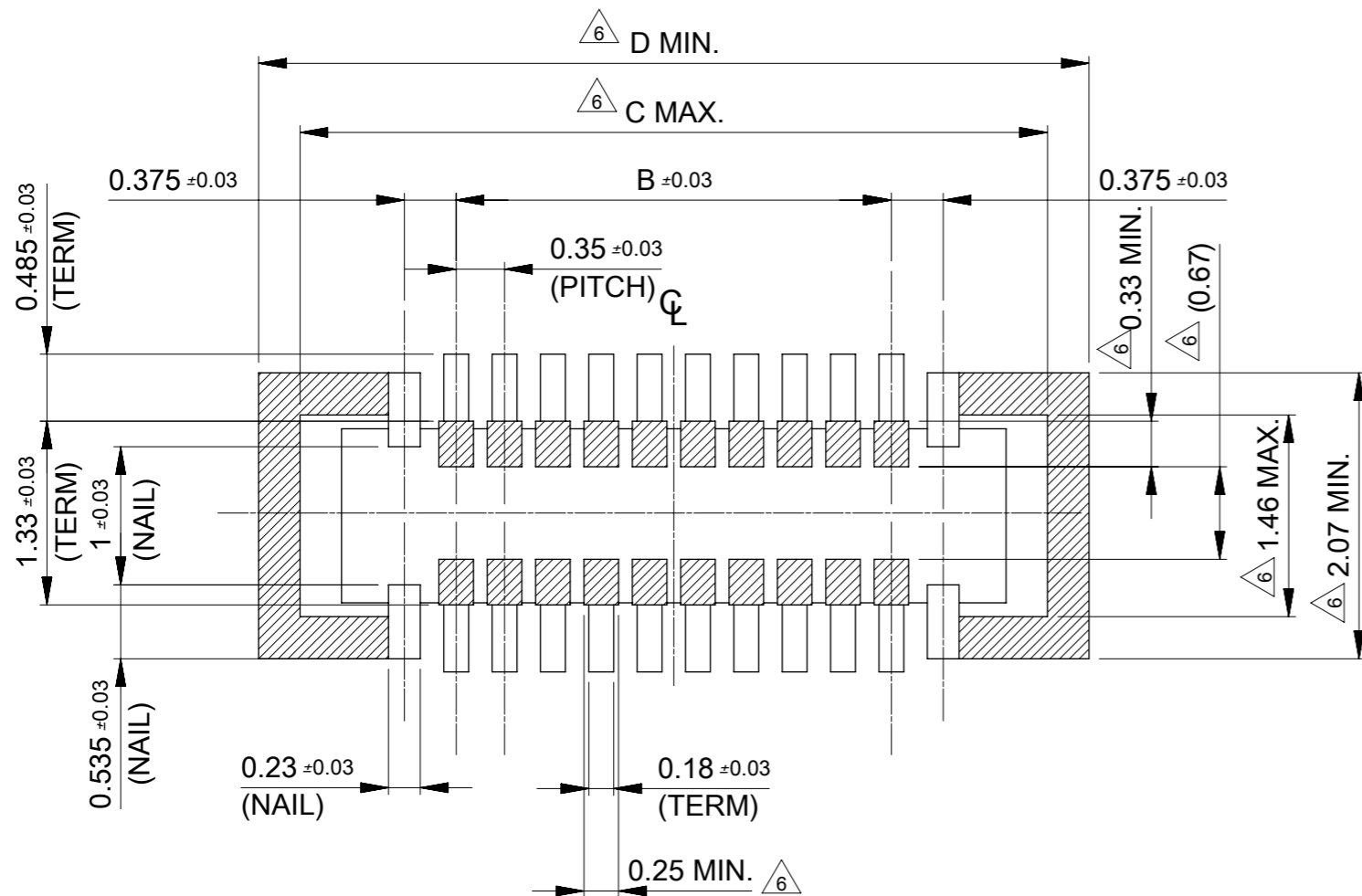
INITIAL REVISION: DRWN: TNISHIDA02 2017/03/28  
 APPR: TKUSUHARA01 2017/04/03

DOCUMENT NUMBER: 5050701000 DOC TYPE: PSD DOC PART: 019 REVISION: C

**molex**

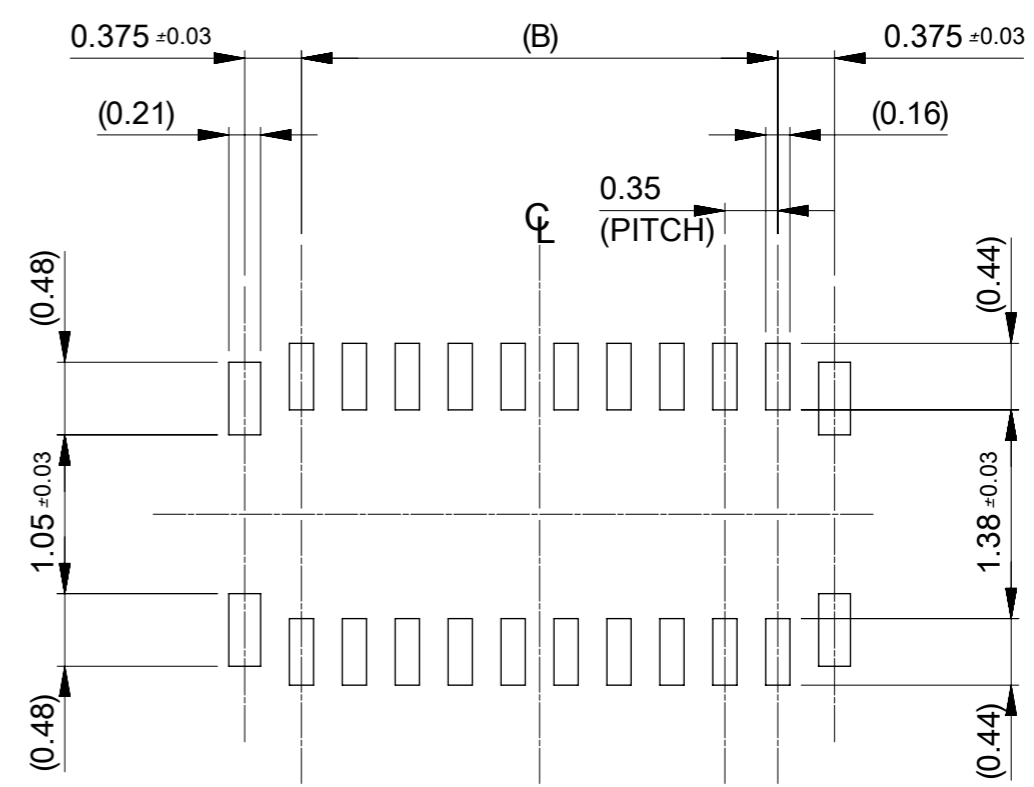
0.35 BB CONN. SSB6 RP PLUG ASSY

PRODUCT CUSTOMER DRAWING



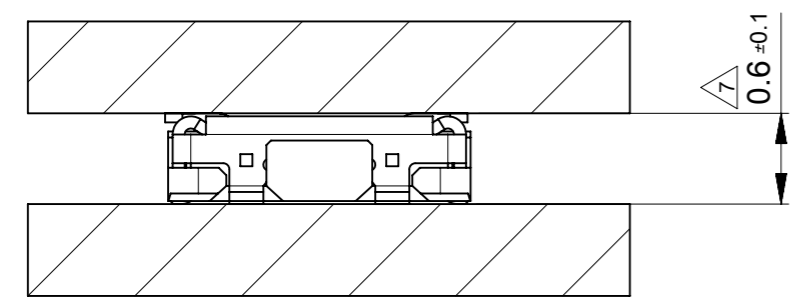
**RECOMMENDED P.W.BOARD PATTERN LAYOUT(REFERENCE)**

**△6 PROHIBITED AREA OF PATTERN WIRING AND SOLDER.  
(FOR EACH AREA, THE WIRING THAT TOUCHES ON THE SOLDER  
CAN BE ATTACHED, THEN COVERED WITH A FILM TO KEEP SOLDER OUT.)**

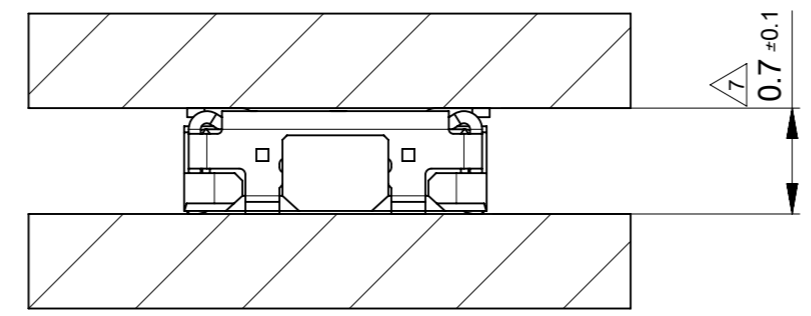


**RECOMMENDED METAL MASK LAYOUT(REFERENCE)**

**RECOMMENDED THICKNESS OF METAL MASK : t=0.08mm  
RECOMMENDED OPEN APERTURE RATIO OF METAL MASK : 80%**



**MATED CONDITION (505066/505070)**



**MATED CONDITION (505270/505070)**

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DIMENSION UNITS	SCALE				
mm	20:1			0.35 BB CONN. SSB6 RP PLUG ASSY	
GENERAL TOLERANCES (UNLESS SPECIFIED)				PRODUCT CUSTOMER DRAWING	
ANGULAR TOL	± 1.0 °			DOCUMENT NUMBER	
4 PLACES	± 0.01	EC NO: 646121		5050701000	
3 PLACES	± 0.03	DRWN: YSEKI01	2019/09/19	DOC TYPE	DOC PART
2 PLACES	± 0.05	CHK'D: STERUKI	2020/09/28	PSD	019
1 PLACE	± 0.1	APPR: YNAITO	2020/09/28	REVISION	C
0 PLACES	± 0.2	INITIAL REVISION:			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
			A3-SIZE	505070	SEE CHART
		CUSTOMER	GENERAL		SHEET NUMBER
				2 OF 2	