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Part Number:

5019203001

Status:

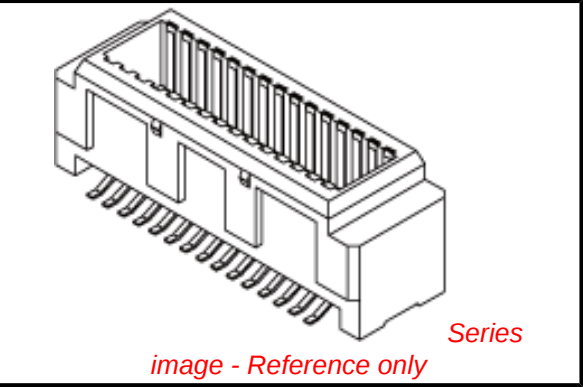
Active

Overview:

slimstack_050mm_020_pitch

Description:

0.50mm (.020") Pitch SlimStack™ Board-to-Board Plug, SMT, Dual Row, Vertical Stacking, 4.00mm (.157") Stack Height, Without Solder Tabs, 30 Circuits



Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-52991-008 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	PCB Headers
Series	501920
Application	Board-to-Board
Overview	slimstack_050mm_020_pitch
Product Name	SlimStack™
Physical	
Breakaway	No
Circuits (Loaded)	30
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Mated Height (in)	0.157 In
Mated Height (mm)	4.00 mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.020 In
Pitch - Mating Interface (mm)	0.50 mm
Polarized to Mating Part	No
Polarized to PCB	No
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	0.5A
Voltage - Maximum	50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers	
Product Specification	PS-52991-008, RPS-52991-015
Sales Drawing	SD-501920-001, SD-501920-002

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

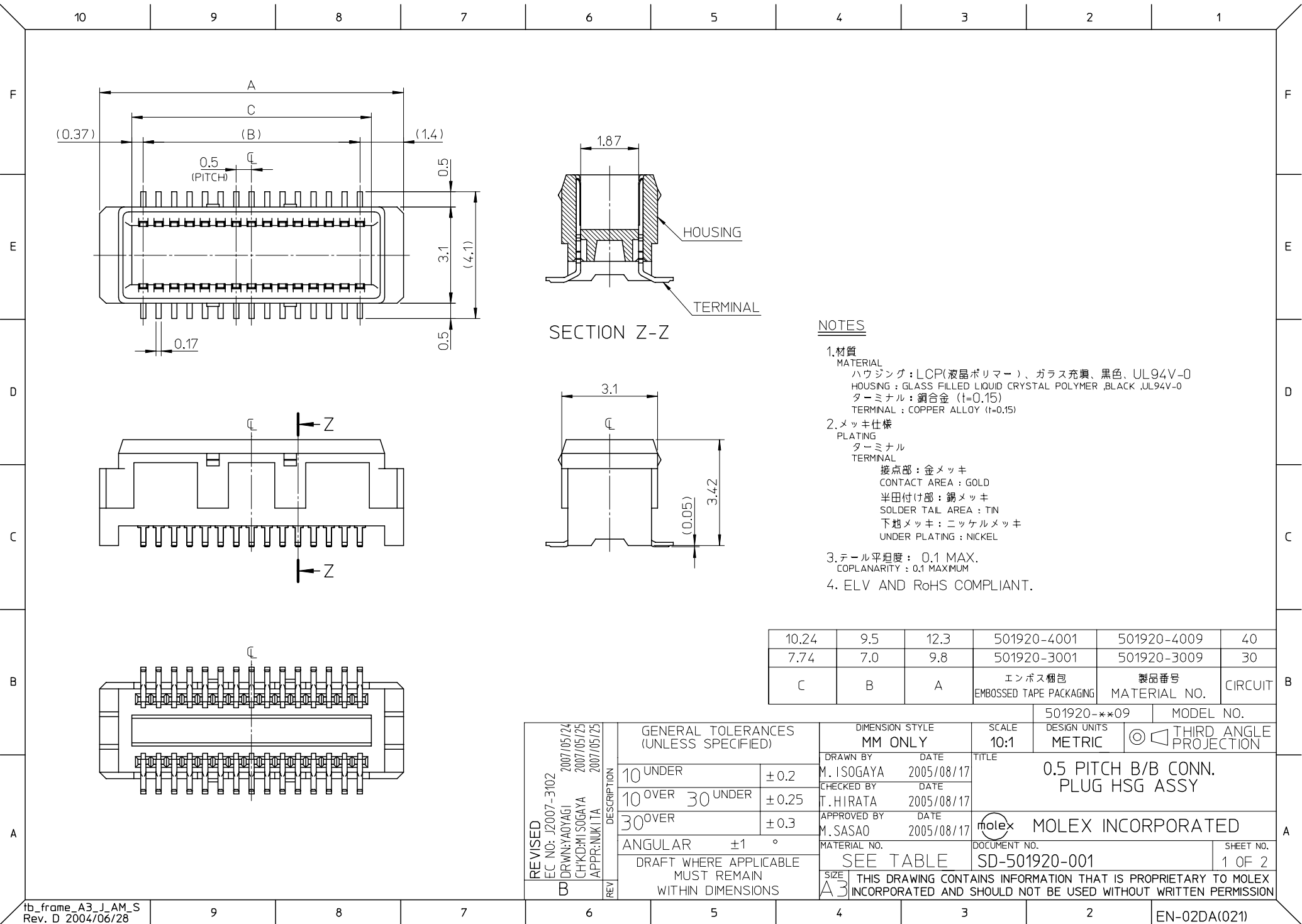
501920Series

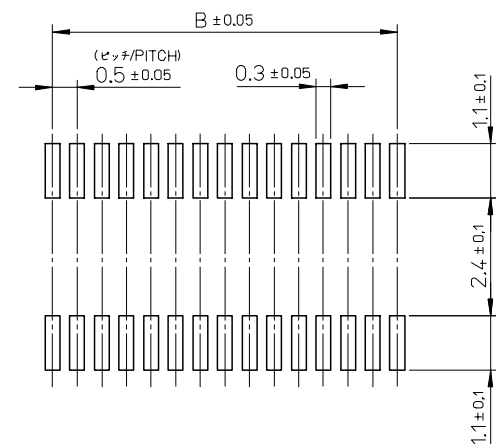
Mates With

SlimStack™ Receptacle [52991](#) , [54167](#)

This document was generated on 05/26/2010

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参考基板レイアウト (マウント面)

RECOMMENDED P.C.BOARD
PATTERN DIMENSION (REF.)
(MOUNT AREA) (SCALE 10:1)

MATED DRAWING (REF.)

REV	DESCRIPTION
00	REVISED EC NO: J2007-3102 DRWN:YA0YAGI 2007/05/24 CHKD:MI S0GAYA 2007/05/25 APPR:NUKI TA 2007/05/25

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	
DRAWN BY	DATE
M. ISOGAYA	2005/08/17
CHECKED BY	DATE
T. HIRATA	2005/08/17
APPROVED BY	DATE
M. SASAO	2005/08/17
MATERIAL NO.	
SEE SHEET 1	
SIZE	THIS DRAWING CONT
A3	INCORPORATED AND

501920-**-09		MODEL NO.	
SCALE 20:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
TITLE			
0.5 PITCH B/B CONN. PLUG HSG ASSY			
 MOLEX INCORPORATED			
DOCUMENT NO. SD-501920-001			SHEET NO. 2 OF 2
AINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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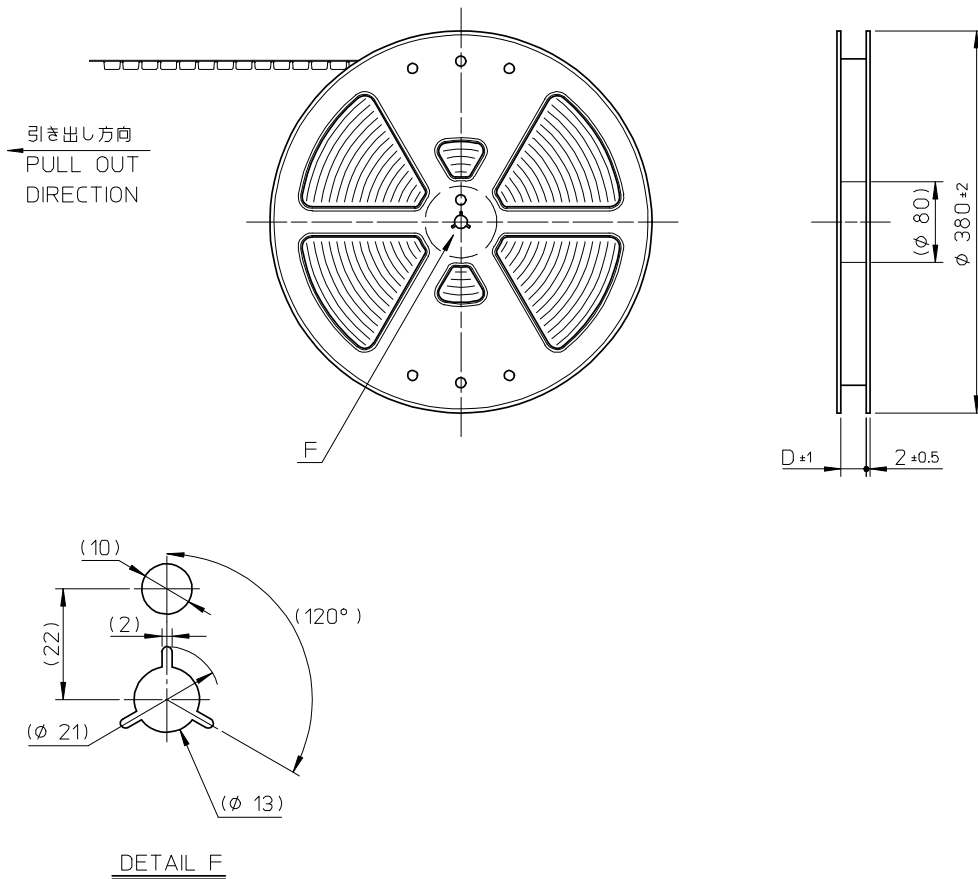
E

D

C

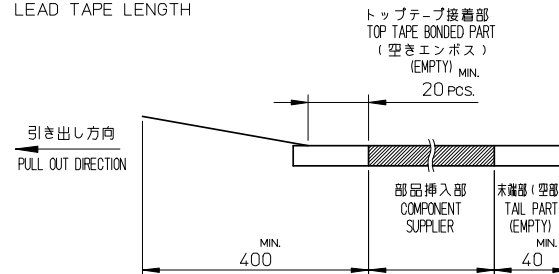
B

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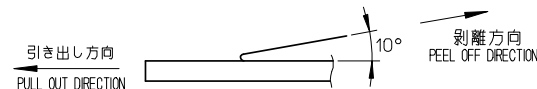


NOTES

- 製品詳細寸法については、製品単体図面を御参照下さい。
For detail of connector dimensions,
please see the drawing of connector itself (not packaged)
- 梱包数量 : 1500 個/リール
NUMBER OF CONNECTORS : 1500 PCS/REEL
- リードテープ長さ
LEAD TAPE LENGTH



- 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)
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。)
PEELING OFF FORCE OF TOP TAPE 0.1N~1.3N (10gf~130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
(PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION.)



- 材料
キャリアテープ : ポリプロピレン
トップテープ : PET ,PE ,PEF
リール : ポリスチレン(PS) <リサイクル材を含む>
MATERIAL
CARRIER TAPE : POLYPROPYLENE
TOP TAPE : PET ,PE ,PEF
REEL : POLYSTYRENE(PS) <RECYCLE MATERIAL CONTAINED>
- ELV AND RoHS COMPLIANT.

REVISED EC NO: J2008-2863 DRWN:TKA/HO CHKD:MSASAO APPR:MSASAO	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE #	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	M. ISOGAYA	DATE 2005/08/18	TITLE EMBSTP PKG FOR 0.5 PITCH B/B CONN. PLUG HSG ASSY				
		10 OVER 30 UNDER	± 0.25	CHECKED BY T. HIRATA	DATE 2005/08/18					
		30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2005/08/18	MOLEX MOLEX INCORPORATED				
		ANGULAR ±1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2		SD-501920-002		1 OF 2			
B	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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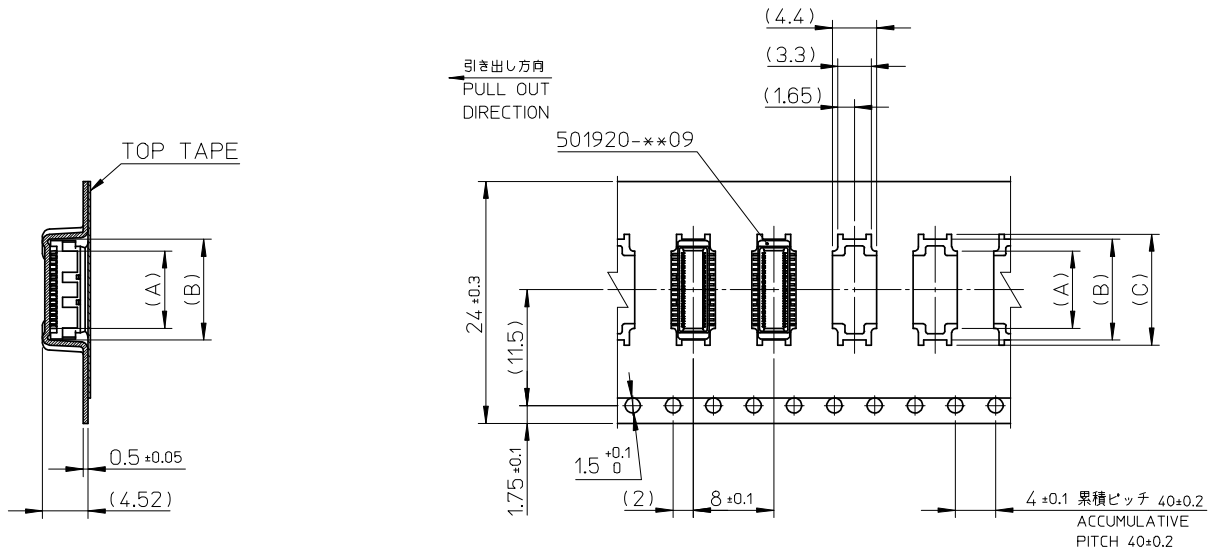
E

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24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

24	25.4	16.0	15.0	12.67	501920-5001	50
		13.5	12.5	10.17	501920-4001	40
		11.0	10.0	7.67	501920-3001	30
キャリアテープ幅 CARRIER TAPE WIDTH	D	(C)	(B)	(A)	MATERIAL NO.	CIRCUIT

REVISED EC NO: J2008-2863 DRWN:TKA/HO CHKD:MSASAO APPR:MSASAO 2008/01/29 2008/01/29 2008/02/05	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE //	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M. ISOGAYA	DATE 2005/08/18	TITLE EMBSTP PKG FOR 0.5 PITCH B/B CONN. PLUG HSG ASSY				
		10 OVER 30 UNDER	± 0.25	CHECKED BY T. HIRATA	DATE 2005/08/18					
		30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2005/08/18	MOLEX MOLEX INCORPORATED				
		ANGULAR ±1 °		MATERIAL NO.						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501920-002		2 OF 2			
B	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					