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Part Number: [5019204001](#)
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, 40 Circuits

Documents:

[3D Model](#) [Product Specification PS-52991-008 \(PDF\)](#)
[Drawing \(PDF\)](#) [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) 40
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

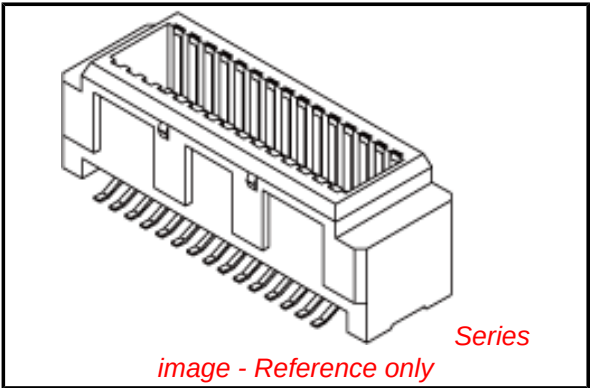
Electrical

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**

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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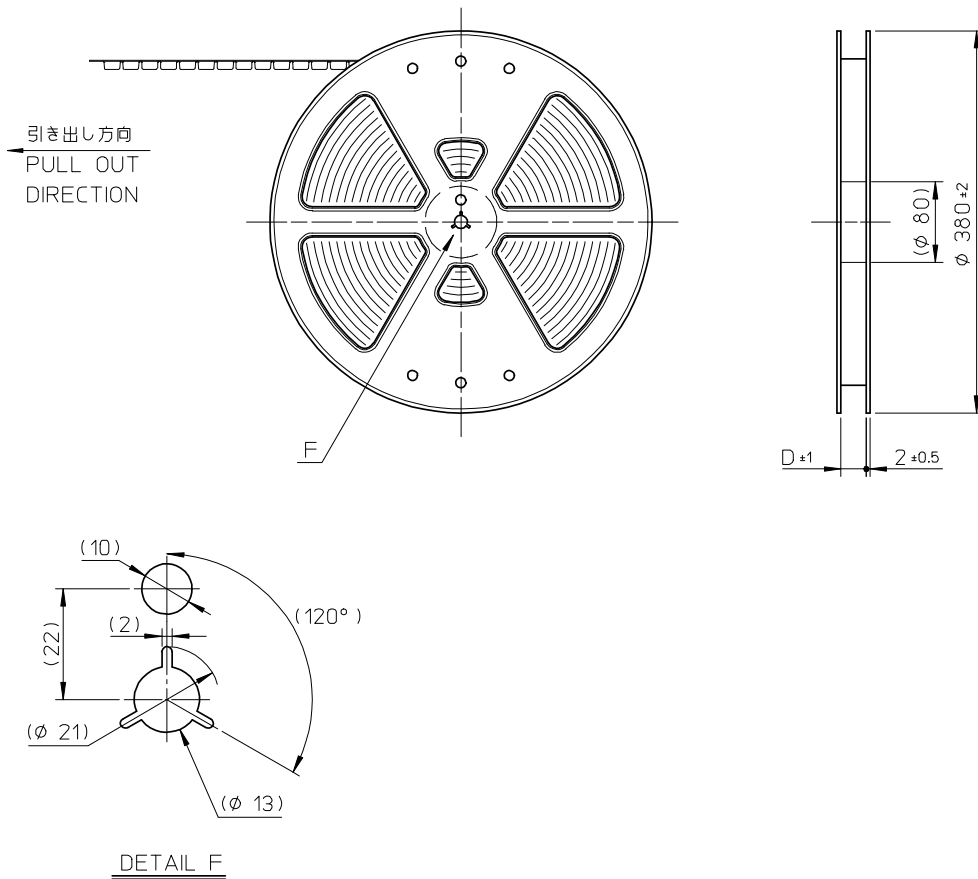
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D

C

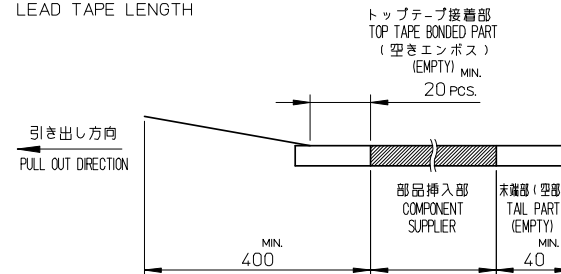
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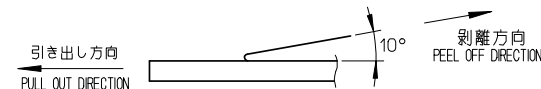


NOTES

- 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 2008/01/29 CHKD:MSASAO 2008/01/29 APPR:MSASAO 2008/02/05 B	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE --#	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	M. ISOGAYA	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	2005/08/18					
		30 OVER	± 0.3	APPROVED BY M. SASAO	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			
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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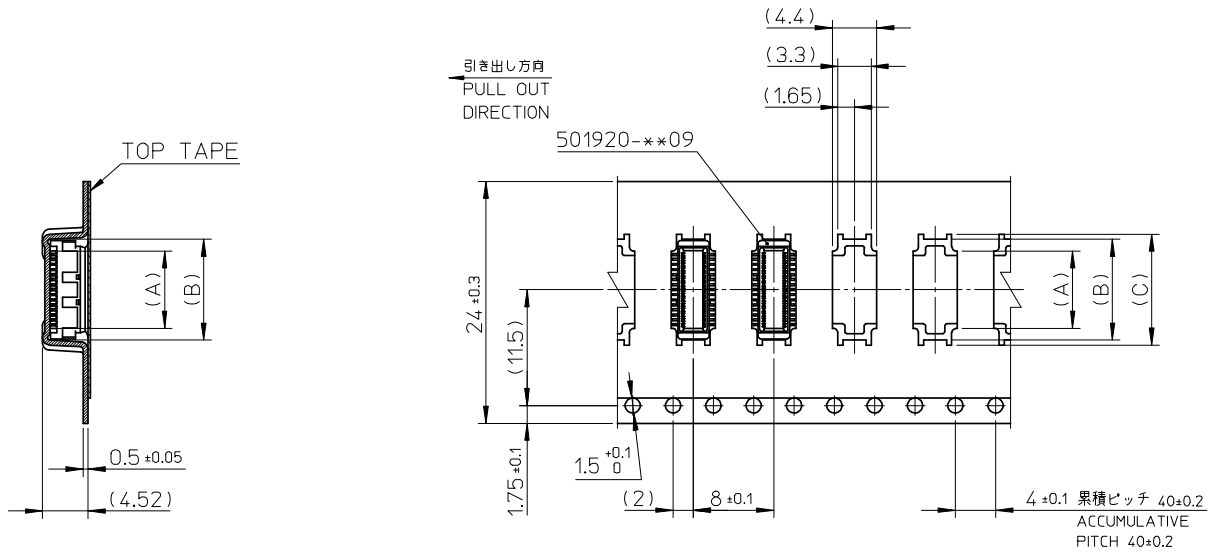
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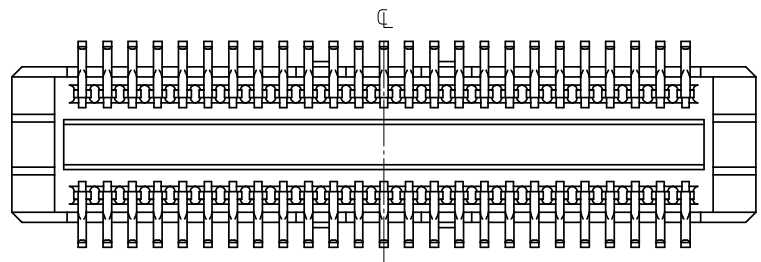
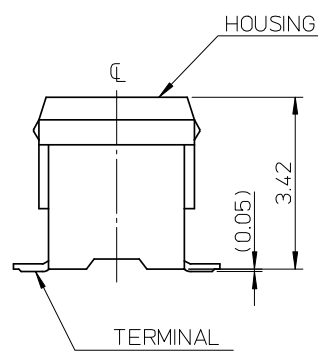
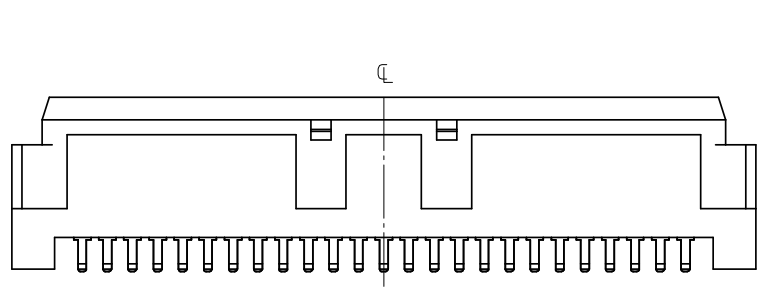
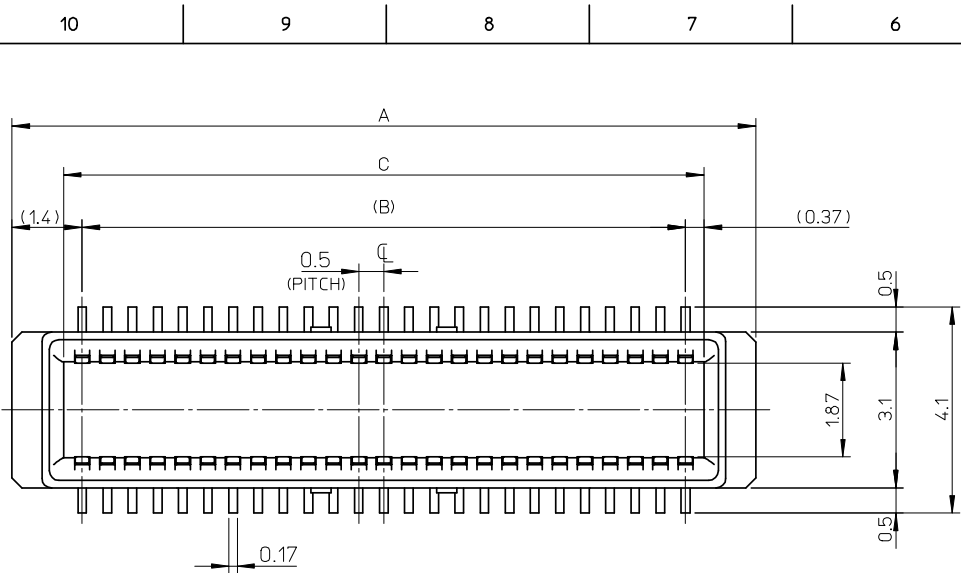
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24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

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.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501920-002		2 OF 2		
	REV				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

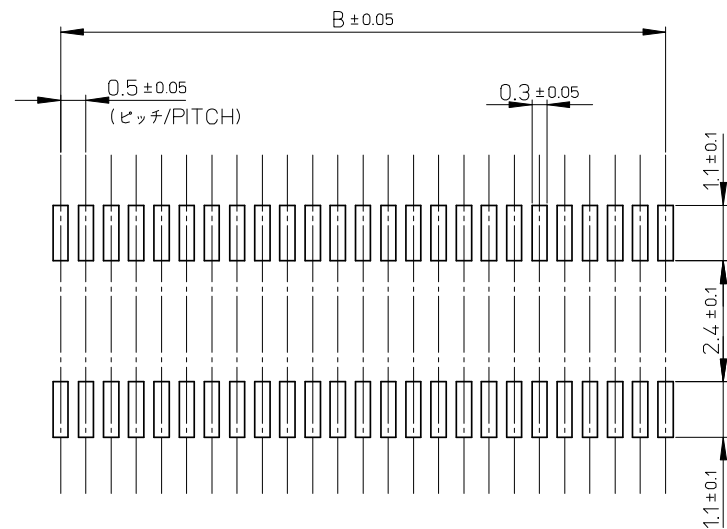
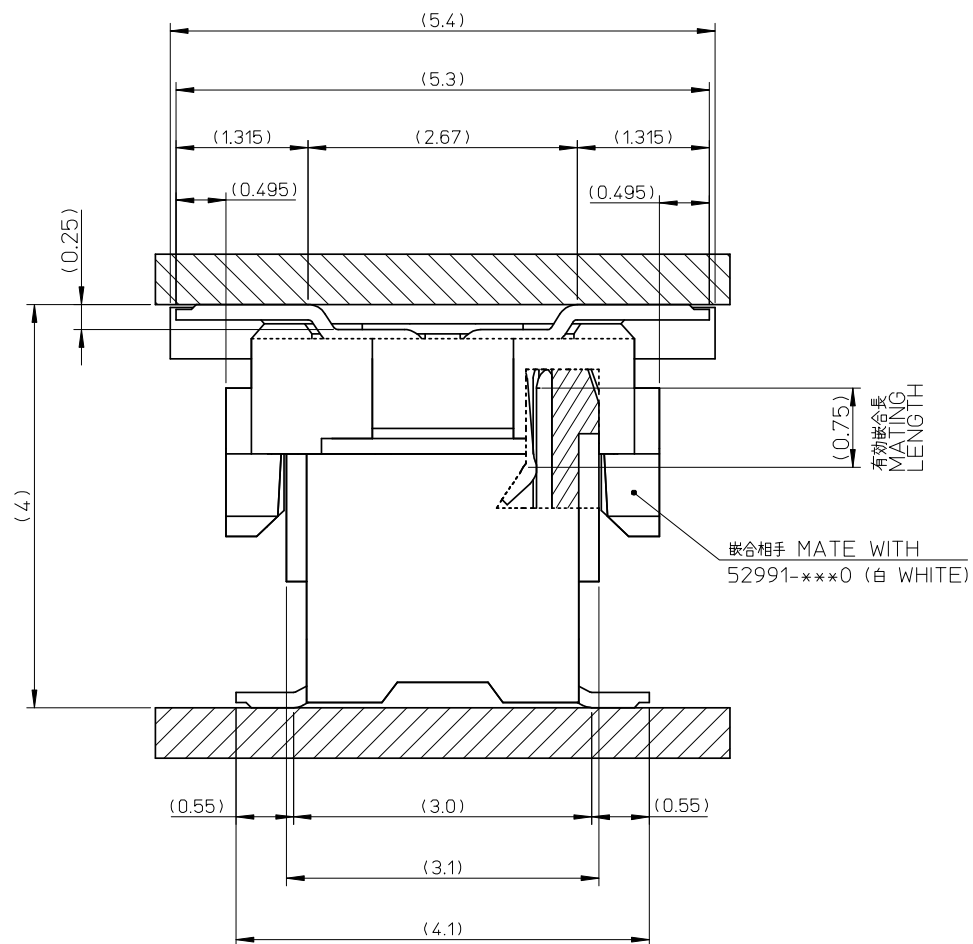


NOTES

- 1.材質
MATERIAL
ハウジング : LCP(液晶ポリマー)、ガラス充填、黒色、UL94V-0
HOUSING : GLASS FILLED LIQUID CRYSTAL POLYMER ,BLACK ,UL94V-0
ターミナル : 銅合金 (t=0.15)
TERMINAL : COPPER ALLOY (t=0.15)
- 2.メッキ仕様
PLATING
ターミナル
TERMINAL
接点部 : 金メッキ
CONTACT AREA : GOLD
半田付け部 : 錫メッキ
SOLDER TAIL AREA : TIN
下地メッキ : ニッケルメッキ
UNDER PLATING : NICKEL
- 3.テール平坦度 : 0.1 MAX.
COPLANARITY : 0.1 MAXIMUM
4. ELV AND RoHS COMPLIANT.

12.74	12.0	14.8	501920-5001	501920-5009	50
C	B	A	エンボス梱包 EMBOSSED TAPE PACKAGING	製品番号 MATERIAL NO.	CIRCUIT

REVISED EC NO: J2009-0002 DRWN:TKAIHO CHKD:THIRATA APPR:MSASAO	DESCRIPTION 2008/07/04 2008/07/04 2008/07/07	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
				MM ONLY		10:1	METRIC				
		10 UNDER	±0.2	DRAWN BY TKAIHO	DATE 2008/01/28	0.5 PITCH B/B CONN. PLUG HSG ASSY					
		10 OVER 30 UNDER	±0.25	CHECKED BY MSASAO	DATE 2008/01/29						
		30 OVER	±0.3	APPROVED BY MSASAO	DATE 2008/01/29	MOLEX INCORPORATED					
	ANGULAR ±1 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501920-003				1 OF 2		
A	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



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)

嵌合状態図(参考)
MATED DRAWING (REF.)

REV	DESCRIPTION	DATE
REVISED	EC NO: J2009-0002	2008/07/04
	DRWN:TKAIHO	2008/07/04
	CHKD:THIRATA	2008/07/04
	APPR:MSASAO	2008/07/07
A		

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	± 0.2
10 OVER 30 UNDER	± 0.25
30 OVER	± 0.3
ANGULAR	$\pm 1^\circ$
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
TKAIHO	2008/01/28
CHECKED BY	DATE
MSASAO	2008/01/29
APPROVED BY	DATE
MSASAO	2008/01/29
MATERIAL NO.	
SEE SHEET 1	
SIZE	
A3	

501920-**09		MODEL NO.	
SCALE 100:10	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
TITLE			
0.5 PITCH B/B CONN. PLUG HSG ASSY			
MOLEX INCORPORATED			
DOCUMENT NO. SD-501920-003			
THIS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
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- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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