

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0783950002](#)
Status: **Active**
Description: 0.80mm(.031"), 1.27mm(.050") Micro SAS Receptacle, Right Angle, SMT, 0.76µm (30µ") Gold (Au) Plating, 25 Circuits, for 1.20mm (.039") to 1.60(.063") PCB Thickness, Halogen free, Lead free

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

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

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	I/O Connectors
Series	78395
Application	Board-to-Board
Component Type	Receptacle
Product Name	Micro SAS
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	25
Circuits (maximum)	25
Circuits Detail	Signal 14, Power 9, Sideband 2
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Gender	Female
Keying to Mating Part	Yes
Lock to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Panel Mount	Yes
Pitch - Mating Interface (in)	0.031 In, 0.050 In
Pitch - Mating Interface (mm)	0.80 mm, 1.27 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.54
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	2
Temperature Range - Operating	0°C to +55°C
Termination Interface: Style	Surface Mount

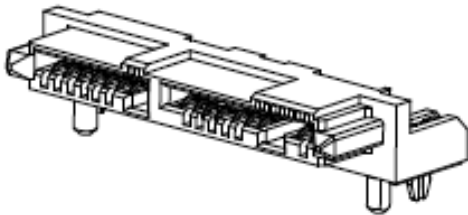


image - Reference only

Series

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
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
[78395Series](#)

Mates With
[78394](#) , [78528](#) Micro SAS Plugs

Waterproof / Dustproof	No
Wire Size AWG	N/A
Electrical	
Current - Maximum per Contact	1.5A
Voltage - Maximum	30V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Sales Drawing	SD-78395-001

This document was generated on 05/17/2010

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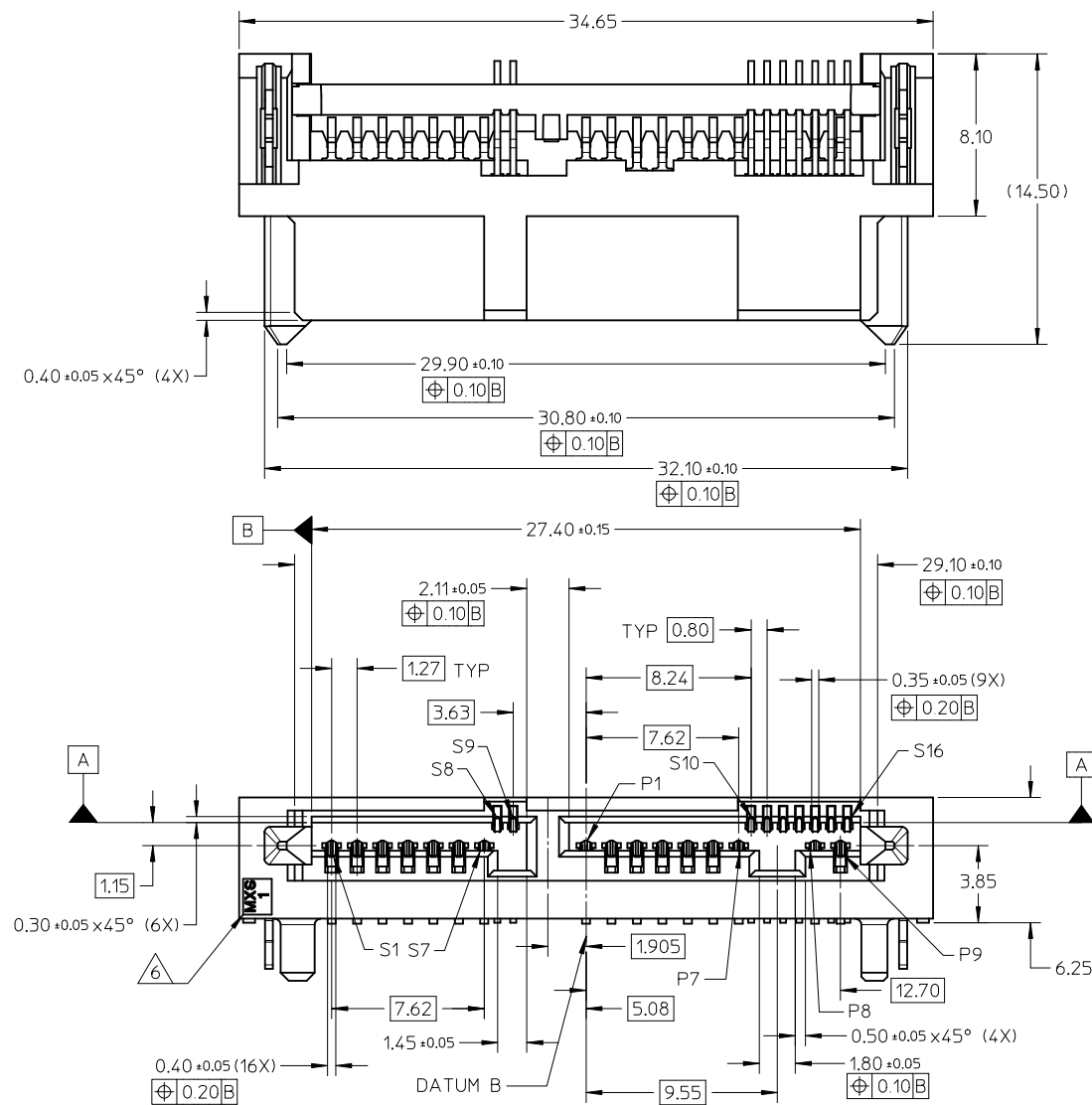
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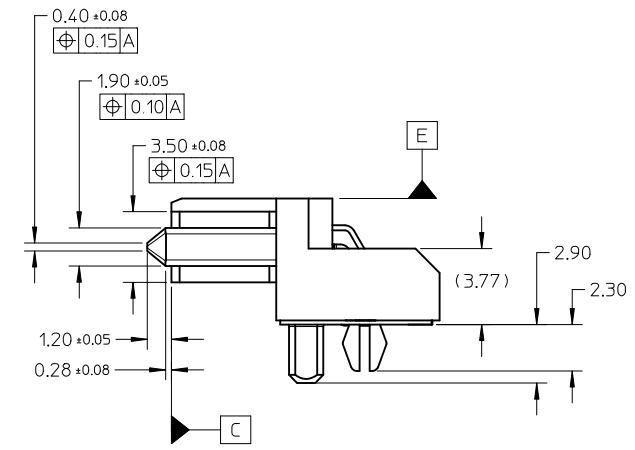
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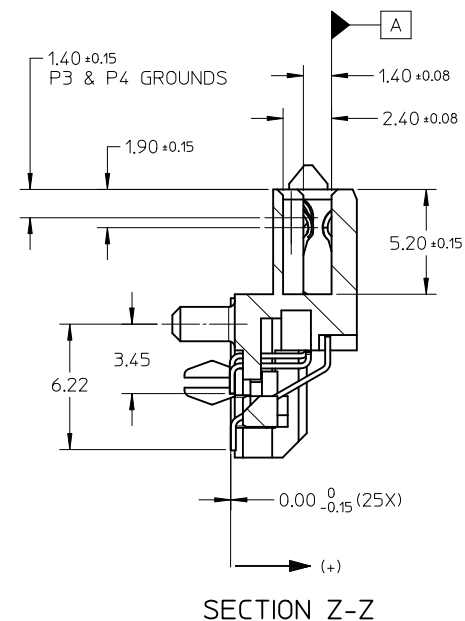
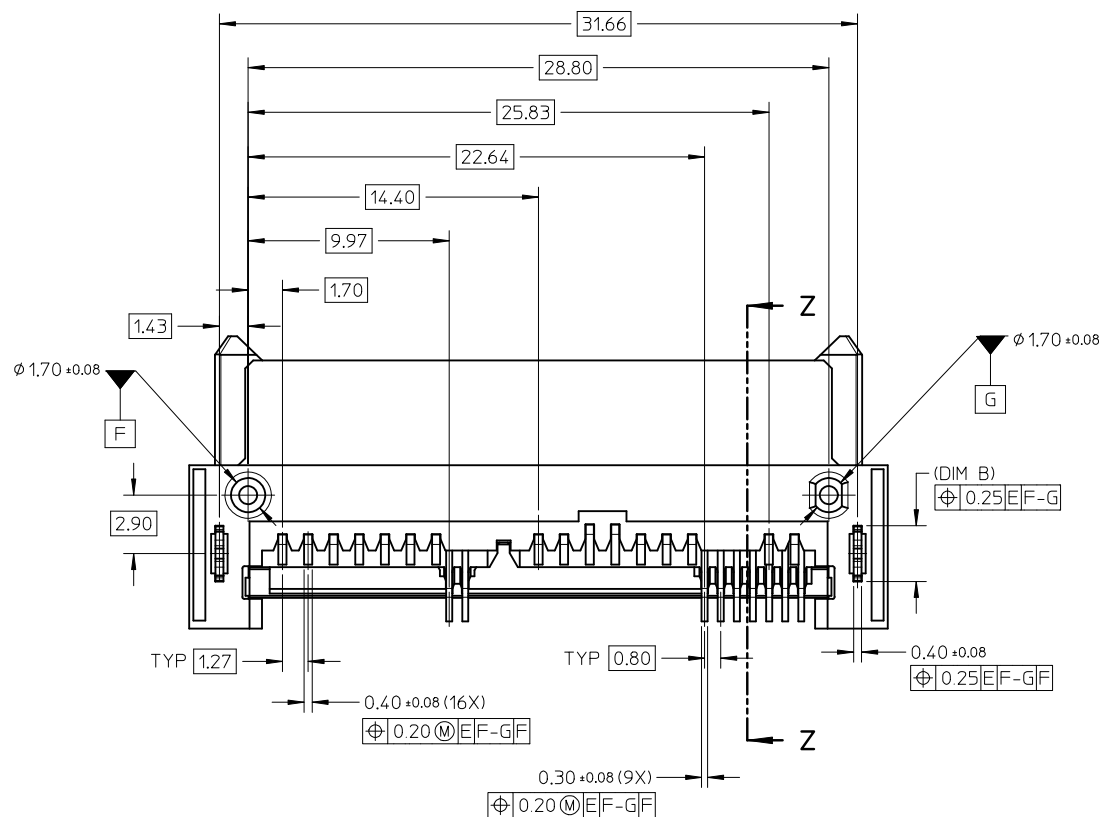


- NOTES:
1. MATERIAL : LCP, GLASS FILLED, UL 94V-0, BLACK
TERMINAL/FORKLOCK : COPPER ALLOY
 2. FINISHES :
TERMINAL : 0.76µm MIN. SELECTIVE GOLD OVER
1.27µm MIN. NICKEL UNDERPLATE
: 2.54µm MIN. TIN OVER
1.27µm MIN. NICKEL UNDERPLATE
FORKLOCK : 2.54µm MIN. TIN OVER
1.27µm MIN. NICKEL UNDERPLATE
 3. PRODUCT SPECIFICATION PS-78395-001
 4. PACKAGING SPECIFICATION : TRAY
 5. MATES WITH : MOLEX MICRO SAS PLUG
 6. MOLEX LOGO LOCATED APPROXIMATELY AS SHOWN
 7. THIS PRODUCT IS COMPLIANT TO RoHS DIRECTIVE WITH THE FOLLOWING BANNED SUBSTANCES - LEAD, MERCURY, CADMIUM, HEXAVALENT CHROMIUM, POLYBROMINATED BIPHENYLS AND POLYBROMINATED DIPHENYLS ETHERS.
 8. NON FUNCTIONAL CORING MAY VARY.

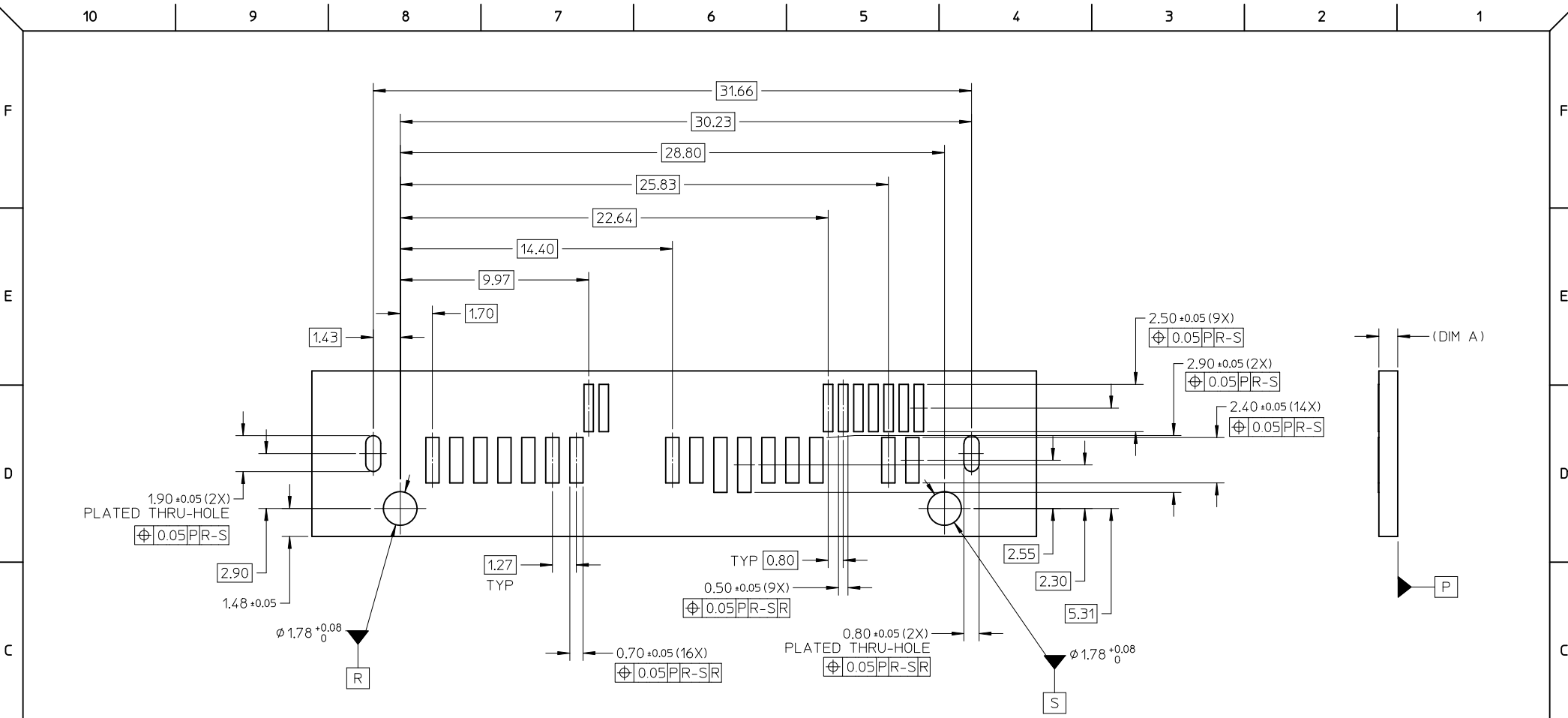


REVISED BASEPLATE EC NO: S2010-0600 DRAWN: GEMARLY CHKD: SCHEONG APPR: BOKOK	2010/01/14 2010/03/31 2010/04/01	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
						MM ONLY		NTS	METRIC			
						DRAWN BY DATE		TITLE				
						YKOH 2008/05/20		MICRO SAS RECEPTACLE				
						CHECKED BY DATE		R/A, SMT, 3.85MM HEIGHT				
						JTAN02 2008/06/11		1.8 INCH SSD/HDD				
		APPROVED BY DATE		MOLEX		MOLEX INCORPORATED						
		BOKOK 2010/03/31		MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
		ANGULAR ± 3 °		SEE TABLE		SD-78395-001		1 OF 4				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
		A7		A3								

9 8 7 6 5 4 3 2 1



REVISED BASEPLATE EC NO: S2010-0600 DRAWN: GIMENARY CHKD: SCHEONG APPR: BOKOK A7	DESCRIPTION REV	QUALITY SYMBOLS F=0 F=0 F=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY YKOH	DATE 2008/05/20	TITLE MICRO SAS RECEPTACLE R/A, SMT, 3.85MM HEIGHT 1.8 INCH SSD/HDD				
			4 PLACES	± ---	± ---	CHECKED BY JTAN02	DATE 2008/06/11					
			3 PLACES	± ---	± ---	APPROVED BY BOKOK	DATE 2010/03/31					
			2 PLACES	± 0.20	± ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
			1 PLACE	± ---	± ---	SEE TABLE		SD-78395-001		2 OF 4		
			ANGULAR ± 3 °		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			



RECOMMENDED PCB LAYOUT

REVISED BASEPLATE EC NO: S2010-0600 DRWN:GEMARLY CHKD:SCHEONG APPR:BOKOK	2010/01/14 2010/03/31 2010/04/01	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					mm	INCH	DRAWN BY YKOH	DATE 2008/05/20	TITLE MICRO SAS RECEPTACLE R/A, SMT, 3.85MM HEIGHT 1.8 INCH SSD/HDD				
				4 PLACES	± ---	± ---	CHECKED BY JTAN02	DATE 2008/06/11					
				3 PLACES	± ---	± ---	APPROVED BY BOKOK	DATE 2010/03/31					
				2 PLACES	± 0.20	± ---	ANGULAR ± 3 °		MOLEX MOLEX INCORPORATED				
				1 PLACE	± ---	± ---							
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
SEE TABLE		SD-78395-001					3 OF 4						
A7	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

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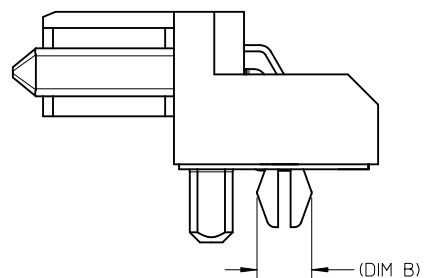
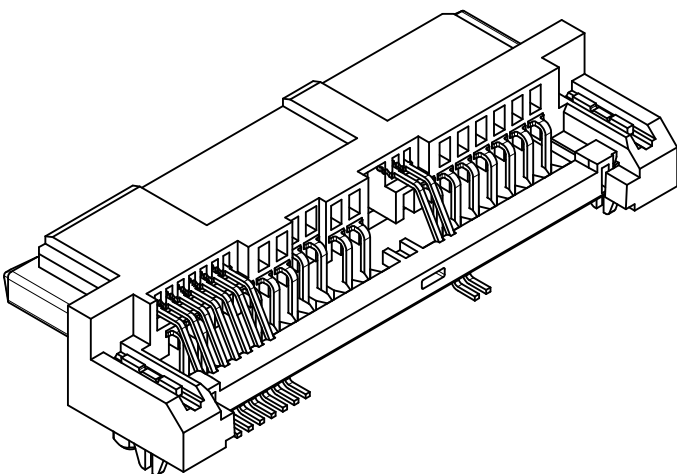
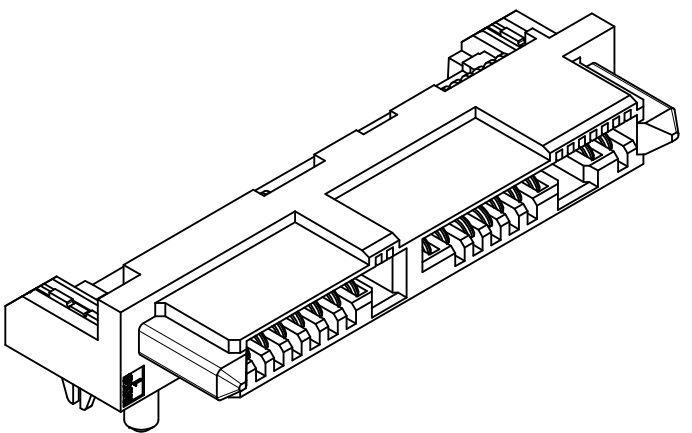
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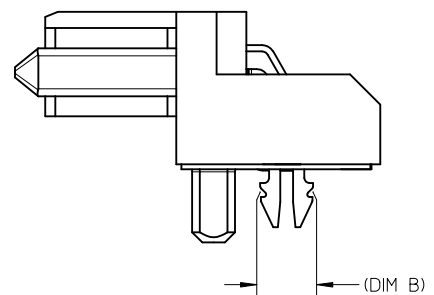
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5	4	3	2	1
PART NUMBER	HOLDDOWN	DIM A (PCB THICKNESS)		DIM B
78395-0001	FORKLOCK	1.00±0.10		(2.18)
78395-0002	FORKLOCK	1.20±0.12 TO 1.60±0.16 PCB FORKLOCK HOLE MUST BE PLATED THRU-HOLE (PTH) REGARDLESS WHETHER FORKLOCK IS SOLDERED OR NOT		(2.10)



78395-0001



78395-0002

REVISED BASEPLATE EC NO: S2010-0600 DRWN:GEMARLY CHKD:SCHEONG APPR:BOKOK	2010/01/14 2010/03/31 2010/04/01	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION				
						MM ONLY		NTS	METRIC					
					=0			DRAWN BY	DATE	TITLE MICRO SAS RECEPTACLE R/A, SMT, 3.85MM HEIGHT 1.8 INCH SSD/HDD				
					=0			CHECKED BY	DATE					
					=0	4 PLACES	± --- ± ---	JTAN02	2008/06/11	MOLEX INCORPORATED				
					=0	3 PLACES	± --- ± ---	APPROVED BY	DATE					
						2 PLACES	± 0.20 ± ---	BOKOK	2010/03/31	DOCUMENT NO. SD-78395-001				
						1 PLACE	± --- ± ---	MATERIAL NO.						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE TABLE										
				SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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